

Original RI Program Borings

PPG - GINT STD US LAB.GDT - 11/3/11 14:34 - \\USPSW2\FP001\DATA - USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT\PPG-NJC\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L



30 Knightsbridge Road, Piscataway, NJ 08854
732.564.3200 office telephone

Boring ID: 186-B1

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611292.629
Date Started Drilling: 4/30/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 684138.774
Date Finished Drilling: 4/30/2011	Core Size: 2 in	Boring Total Depth: 15 ft
Logged By: B. Daniels, E. Acs	Project Manager: Robert Cataldo	Depth to Water: 3.5 ft
Physical Location: Site 186		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	1	Fill		Concrete	186-B1_0.5
2		0	dry	3	Fill		Dark Brown (7.5YR 3/2) fine to coarse SAND, some fine to coarse angular Gravel and Fill Material (ash, cinders), loose. No odor.	186-B1_2.0
3		0	moist	3	Fill		Brown (7.5YR 4/3) fine to medium SAND, some Silt, little fine to medium sub-round Gravel, trace shells and coal, dense. No odor.	186-B1_2.5
4		0	wet	3	Fill		Brown (7.5YR 4/3) fine SAND and SILT, some Fill (ash, cinders), little fine Gravel, dense. No odor.	186-B1_4.0
5		0						
6	2	0	wet	3	Fill		Black (10YR 2/1) SILT, some Clay, trace fine to medium Gravel and shells, soft. No odor.	186-B1_6.0
7			wet	3	Fill		Dark Yellowish Brown (10YR 3/4) CLAYEY SILT, soft. No odor.	186-B1_8.0
8			wet	3	Fill		No Recovery	
9								
10	1.3	0						
11			wet	10	SP-SM		Brown (10YR 4/3) fine to medium SAND, some Silt, little fine to medium angular Gravel, medium dense. No odor.	186-B1_14.0
12			wet	10	SP-SM		No Recovery	
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16							End of boring at 15 ft.	
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Comments: No COPR/GGM identified at this location.

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Boring ID: 186-B3

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611246.322
Date Started Drilling: 4/30/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 684144.771
Date Finished Drilling: 4/30/2011	Core Size: 2 in	Boring Total Depth: 15 ft
Logged By: B. Daniels, E. Acs	Project Manager: Robert Cataldo	Depth to Water: 4/10 ft
Physical Location: Site 186		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		TOPSOIL and Organics	186-B3_0.5
2		0	dry to moist	3	Fill		Dark Brown (7.5YR 3/2) fine to coarse SAND, some-little Silt and fine to coarse angular Gravel, little Fill (coal, brick, concrete), medium dense. No odor.	186-B3_2.0
3		0						186-B3_2.5
4		0						
5		0	wet	3	Fill		Same as above, wet.	186-B3_4.0
6	2.5	0	dry	3	Fill		Very Dark Gray (10YR 3/1) fine to medium SAND, some Silt, trace angular Gravel, medium dense. No odor.	186-B3_6.0
7		0	wet	3	Fill		Dark Yellowish Brown (10YR 3/4) CLAYEY SILT, soft. No odor.	186-B3_8.0
8			wet	3	Fill		No Recovery	
9								
10		0						
11	1.2	0	wet	10	SP-SM		Brown (10YR 4/3) fine to medium SAND, some Silt, little fine to medium angular Gravel, medium dense. No odor.	186-B3_14.0
12			wet	10	SP-SM		No Recovery	
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16							End of boring at 15 ft.	
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Comments: No COPR/GGM identified at this location.

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Boring ID: 186-B4

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611225.512
Date Started Drilling: 4/30/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 684155.841
Date Finished Drilling: 4/30/2011	Core Size: 2 in	Boring Total Depth: 15 ft
Logged By: B. Daniels, E. Acs	Project Manager: Robert Cataldo	Depth to Water: 10 ft
Physical Location: Site 186		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		TOPSOIL and Organics	186-B4_0.5
2		0	moist	3	Fill		Dark Brown (7.5YR 3/2) to Brown (7.5YR 4/3) fine to coarse SAND, some-little Silt, some fine to coarse angular Gravel, little Fill (glass, coal, brick), loose. No odor.	186-B4_2.0
3		0						186-B4_2.5
4		0						186-B4_4.0
5		0						
6		0	dry	3	Fill		Very Dark Grayish Brown (10YR 3/2) SILT, some Clay, trace fine angular Gravel and Shells, medium stiff. No odor.	186-B4_6.0
7		0	moist	3	Fill		Dark Yellowish Brown (10YR 3/4) CLAYEY SILT, soft. No odor.	186-B4_9.0
8	2		moist	3	Fill		No Recovery	
9								
10		0						
11		0	wet	10	SP-SM		Brown (10YR 4/3) fine to medium SAND, some Silt, little fine to medium angular Gravel, medium dense. No odor.	
12		0						186-B4_14.0
13	2.2		wet	10	SP-SM		No Recovery	
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16							End of boring at 15 ft.	
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Comments: No COPR/GGM identified at this location.

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Boring ID: EF-01

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








Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611239.327
Date Started Drilling: 4/26/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683923.369
Date Finished Drilling: 4/26/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5 ft
Physical Location: On Site 114, NW Corner		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	1.9	0.5	dry	2	Fill		ASPHALT and Black medium angular GRAVEL, little Silt, dry. No odor.	EF-B01_0.5
2		0.1	dry	3			Red BRICK, little Ash, Cinder and Black Silt, trace wood, loose, dry. No odor.	EF-B01_2.0
3							No Recovery	
4	2.2				Fill			
5								EF-B01_5.0
6		0	wet	6			Dark Gray (5Y 4/1) ASH and CINDERS, little crushed Brick, some Olive Yellow (5Y 6/6) staining at 6.5 ft, loose, wet. No odor.	EF-B01_5.0X
7		0	wet	6			Olive Gray (5Y 5/2) ASH, little Cinders, trace GGM (5%), loose, wet. No odor.	EF-B01_6.0
8							No Recovery	EF-B01_10.0
9	2.6				Fill			
10								EF-B01_10.0
11		0	wet	6			Black ASH with Green staining (5-10% GGM), some Silt, little Cinders and Slag, wet. No odor.	
12		0	wet	5			Pale Olive (10Y 5/4) stained medium angular GRAVEL, some Silt and very fine Sand, little medium to coarse Sand, trace GGM (5%) and Reddish Brown coloring, wet with yellow water. No odor.	EF-B01_12.0
13							No Recovery	EF-B01_15.0
14	2				OH			
15			moist	3			Brown (7.5YR 4/3) SILT, little fine Sand, trace fine angular Gravel, moderately dense, moist. Chemical (GGM) odor.	EF-B01_15.0
16		0	moist	7			Very Dark Gray (2.5Y 3/1) organic Silty CLAY/PEAT, some Organics, cohesive, moist. Sulfur Odor.	EF-B01_16.5
17		0	moist	8			Gray (Gley1 6/0) very fine SAND, loose, moist. No odor.	
18							No Recovery	
19	2				SM			
20		0	moist	10			Weak Red (10R 4/4) fine Silty SAND, some fine angular Gravel, moderately dense, moist. No odor	
21		0					No Recovery	
22								
23								
24							End of Boring at 25 ft	
25								
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Comments: GGM staining was identified from 5-16 ft bgs.

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611411.271
Date Started Drilling: 4/28/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683862.937
Date Finished Drilling: 4/28/2011	Core Size: 2 in	Boring Total Depth: 35 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 1.2/20 ft
Physical Location:		

(Note bgs = below ground surface)									
Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number	
1	2.5	0.2	moist	2 4B	Fill		Black Asphalt	EF-B02_0.5	
2		0.2	wet	4A	Fill		Reddish Brown (5YR 4/3) SILT, little fine Sand, trace angular Gravel, coarse sand-sized COPR nodules (10%), dry loose. No odor.	EF-B02_2.0	
3					Fill		Red (2.5YR 4/6) saturated COPR nodules (100%) with consistency of silt and fine sand, trace coarse Sand, wet, soft. No odor	EF-B02_5.0	
4							No Recovery		
5									EF-B02_5.0
6	1.8	0	wet	6/5	Fill		Black COAL ASH and CINDERS, little Reddish Brown staining at 5.0-5.3', Lime Green staining at 5.3-6.8', trace COPR nodules and GGM, wet, loose. No odor.	EF-B02_6.0	
7		0			Fill		No Recovery	EF-B02_10.0	
8									
9									
10									EF-B02_10.0
11	0.7	0	wet	5	FILL		Light Yellowish Brown (7.5Y 6/3) GGM (Silt and medium Sand), chalky texture, little coarse Sand and angular Gravel, wet, loose. Chemical odor.		
12					Fill		No Recovery		
13								EF-B02_15.0	
14									
15									EF-B02_15.0
16	1.7	0	wet	9	ML		Dark Gray (2.5y 4/1) SILT, slightly mottled, moderately dense, wet. No odor. (Native)		
17		0	moist	10	SM		Reddish Brown (2.5YR 4/4) SILT and fine angular Gravel, some fine to medium Sand, dense, moist. No odor. (Native)		
18					SM		No Recovery		
19									
20									
21	3.4	0	wet	10	SW		Reddish Brown (2.5YR 4/4) graded fine to coarse SAND, trace Silt, loose, wet. No odor.		
22		0						EF-B02_22.0	
23		0	wet	10	SM		Reddish Brown (2.5YR 4/4) SILT and fine to coarse SAND, little fine angular Gravel, moderately dense, moist. No odor.		
24					SM		No Recovery		
25									
26	4	0	wet	10	SP		Reddish Brown (2.5YR 4/4) fine SAND, little very fine Sand, trace coarse Sand and Silt, wet, loose. No odor.		
27		0						EF-B02_27.0	
28		0							
29		0							
30					SP		No Recovery		
31	1.2	0	wet	10	SM		Weak Red (10R 4/4) very fine SAND, trace Silt and medium sub-round Gravel, loose, wet. No odor.	EF-B02_30.5	
32		0			SM		No Recovery	EF-B02_30.5X	
33									
34									
35								End of Boring at 35 ft	

Comments: GGM (trace-100%) identified from 5-15 ft bgs.

PG - GINT STD US LAB.GDT - 11/3/11 14:34 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONM\TIPISCAT\AWAY\PROJECT\PPG-NJC\PROGRAM\I-WORKFILES\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORK\BORING LOGS\GINT

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30 Knightsbridge Road, Piscataway, NJ 08854
732.564.3200 office telephone

Boring ID: EF-03

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611583.803
Date Started Drilling: 4/11/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683817.963
Date Finished Drilling: 4/12/2011	Core Size: 2 in	Boring Total Depth: 30 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 12 ft
Physical Location:		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number	
1	4.5	0	dry moist	3 3	FILL FILL		Black SILT, little medium Sand and medium angular Gravel, dry, loose. No odor.	EF-B03_0.5	
2		0					Brown (7.5YR 4/2) Silty fine SAND and fine to coarse angular Gravel, some crushed Fill Material (Brick, Glass, Coal), trace Clay, moist, loose. No odor.	EF-B03_2.0	
3		0			FILL		Black Asphalt	EF-B03_2.5	
4			moist	3	FILL				
5							Very Dark Grayish Brown (10YR 3/2) SILT and crushed Fill Material (fine to medium Gravel, coal, glass, metal, brick, wood), little fine Sand, moist, loose. No odor.		
6	1.5	0.3						EF-B03_6.0	
7			1	FILL			Pinkish Gray (7.5YR 7/2) weathered Concrete.	EF-B03_7.5	
8		0	dry	3	FILL		Reddish Brown (5YR 4/4) fine SAND, some Silt, little medium angular Gravel, dry, moderately firm. No odor.		
9		0.1							
10						FILL	No Recovery	EF-B03_10.0	
11	2.7	0.1	wet	3	FILL		Same as above, with trace Ash and Cinders at 10.5', wet at 12'. No odor.		
12		0.1						EF-B03_12.0	
13					FILL		No Recovery		
14									
15									
16	1.5	0.2	wet	10	SP-SM		Reddish Brown (5YR 4/4) fine to coarse SAND and SILT, little fine to coarse angular Gravel, wet, loose. Sheen and Coal Tar odor.	EF-B03_16.0	
17				SP-SM			No Recovery		
18									
19									
20									
21	3	N/A	wet	10	SP-SM		Same as above		
22								EF-B03_22.0	
23					SP-SM		No Recovery		
24									
25									
26	3	N/A	wet	10	SP-SM		Same as above		
27								EF-B03_27.0	
28							No Recovery		
29									
30									
31						End of Boring at 30 ft.			
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Comments: PID- N/A due to heavy rain @11:40AM. No COPR/GGM identified at this location.

PPG - GINT STD US LAB.GDT - 11/3/11 14:34 - \\USPSW2\FP001\DATA - USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT\PPG-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L



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Boring ID: EF-04

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611733.927
Date Started Drilling: 4/13/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683770.361
Date Finished Drilling: 4/13/2011	Core Size: 2 in	Boring Total Depth: 10 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: N/A ft
Physical Location: Near PSEG-SB38		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	1	0	moist	2	Fill		Black Asphalt	
2		0	moist	3	Fill		Brown (7.5YR 3/4) medium-fine SILTY SAND, little Gravel, trace Coal Ash (5%), moist. No odor.	
3				3	Fill		Coarse GRAVEL, medium Cobbles, moist. No odor.	
4				3	Fill		Reddish Brown (7.5YR 4/3) SILTY SAND, some coarse angular Gravel, trace fine-medium Gravel and Coal Ash, moist. No odor.	
5		0	moist	10	SP-SM		Reddish Brown (5YR 4/3) fine to coarse GRAVEL angular, little fine Sand and Silt, dense, moist. No odor.	
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11			dry	13	BEDROCK		Black with White flecks DIABASE fragments, dry, very dense.	
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Comments: No COPR/GGM identified at this location.

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Boring ID: EF-04B

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611741.715
Date Started Drilling: 4/14/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683781.465
Date Finished Drilling: 4/14/2011	Core Size: 2 in	Boring Total Depth: 15 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5 ft
Physical Location: 2nd off-set of EF-04, 16 ft N of original location		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	0	0	moist	2	Fill		Black Asphalt	EF-B04B_0.15
2				3	Fill		Brown (7.5YR 3/4) medium-fine SILTY SAND, little Gravel, trace Coal Ash (5%), moist. No odor.	EF-B04B_2.0
3				3	Fill		Coarse GRAVEL, medium Cobbles, moist. No odor.	EF-B04B_2.5
4				3	Fill		Reddish Brown (7.5YR 4/3) SILTY SAND, some coarse angular Gravel, trace fine-medium Gravel and Coal Ash, moist. No odor.	EF-B04B_4.0
5								
6	0.5	0	wet	10	SP-SM		Reddish Brown (5YR 4/3) fine to medium SAND and fine to coarse angular GRAVEL, some to little Silt, wet, dense. No odor.	
7					SP-SM		No Recovery	
8								
9								
10								
11	0.5	0	wet	13	SP		Weak Red and Black weathered BEDROCK, Black/White Diabase and Weak Red Mudstone fragments, wet, dense. No odor.	
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16							Refusal at 15 ft on Bedrock.	
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Comments: No COPR/GGM identified at this location.

PPG - GINT STD US LAB.GDT - 11/3/11 14:34 - \\USPSW2\FP001\DATA - \USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT\PPG-NJC\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L



30 Knightsbridge Road, Piscataway, NJ 08854
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Boring ID: EF-05

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611683.327
Date Started Drilling: 4/11/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683662.155
Date Finished Drilling: 4/13/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 3/20 ft
Physical Location:		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2 4B	Fill		Black Asphalt	EF-B05_0.5
2		0					Dark Brown (7.5YR 5/2) SILT, some fine to medium Sand and COPR (50%), little fine to medium angular Gravel, loose, dry. No odor.	EF-B05_2.0
3		0	moist	4B	Fill		Dark Reddish Brown (5YR 2.5/2) SILT, some fine to medium Sand, little fine to medium angular Gravel, trace COPR (5%) loose, moist. No odor.	EF-B05_2.5
4	2.0		moist to wet	6	Fill		Black COAL ASH and CINDERS, loose, moist to wet at 3'. Slight petroleum odor.	EF-B05_4.0
5	0.3							
6		13.3	wet	6	Fill		Black-stained medium to coarse crushed FILL MATERIAL (coal, ceramics, gravel), little fine SAND, trace Silt and interbedded very fine Sand and Ash, wet, loose. Coal Tar odor.	EF-B05_6.0
7	1.5		wet	3	Fill		Black-stained medium to very fine SAND, little Silt, trace Ash, wet, soft. No odor.	
8							No Recovery	
9								
10	0.4							EF-B05_10.0
11		0.7	wet	6	Fill		Black-stained medium to coarse crushed FILL MATERIAL (coal, ceramics, gravel) and SILT, little fine SAND, wet, loose. Coal Tar odor.	
12	5	0.2	wet	7	OL		Very Dark Gray (2.5Y 3/1) to Light Olive Brown (2.5Y 5/3) ORGANIC SILT, wet, soft. Slight Coal Tar odor.	EF-B05_12.5
13		0.1						
14		0.1						
15		0.1	moist	10	SP-SM		Reddish Brown (5YR 4/4) fine to medium SAND and SILT, some fine to medium sub-angular Gravel, trace Clay, moist, dense. No odor.	
16		0.1						
17	2.8	0.1						EF-B05_17.0
18								
19					SP-SM		No Recovery	
20	0.4							
21		0.6	wet	10	SP-SM		Reddish Brown (5YR 4/3) fine to medium SAND and SILT, some interbedded Black-stained fine to medium angular Gravel (20.0-21.0'), wet, loose. Coal Tar odor.	
22	5	0.3						
23			wet	10	SP		Reddish Brown (5YR 4/3) fine to medium SAND, little medium angular Gravel and Silt, wet, loose. No odor.	EF-B05_22.5
24		0.2						
25		0.1						
26							End of boring at 25 ft.	
27								
28								
29								
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31								
32								
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Comments: COPR 50-80% was identified from 0.4-2.5 ft bgs.



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Boring ID: EF-06

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611753.901
Date Started Drilling: 4/12/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683586.835
Date Finished Drilling: 4/13/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5 ft
Physical Location:		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0.5	moist	2	Fill		Black Asphalt	EF-B06_0.5
2		0.7		4B			Very Dark Grey (Gley 1 3/N) Silty fine to medium angular GRAVEL, some (30%) fine to medium Sand, trace Fill Material (brick, slag) and COPR (10%), loose, moist. Slight Coal Tar odor.	EF-B06_2.0
3		0.2						EF-B06_2.5
4		0.3						EF-B06_4.0
5		0						
6	1.9	0.1	wet	3	Fill		Stained Black medium to coarse angular GRAVEL, little Silt and medium Sand, loose, wet, sheen. Very strong Coal Tar odor.	EF-B06_6.0
7			wet	3	Fill		Black-stained to Light Olive Brown (2.5YR 5/3) SILT, little medium Sand, slightly mottled, soft to semi-firm, wet, sheen. Coal Tar odor.	
8					Fill			
9								
10		18.6					No Recovery	EF-B06_10.0
11	2.9	0.6	wet	3	Fill		Olive Brown (2.5YR 5/3) and Yellowish Brown (10YR 5/4) mottled SILT, little fine Sand, semi-cohesive, semi-firm, wet, slight sheen. Coal Tar odor.	
12		1.4					Reddish Brown (2.5YR 4/3) fine SAND and SILT, little fine to medium rounded Gravel, loose, wet. No odor.	EF-B06_12.0
13			wet	10	SP-SM			
14					SP-SM			
15		1						
16	4.5	0.5	wet	10	SP-SM		Reddish Brown (2.5YR 4/3) fine SAND and SILT, little fine to medium rounded Gravel, loose, wet. No odor.	
17		0.1						EF-B06_17.0
18		0						
19		0						
20		1			SP-SM		No Recovery	
21	5	0.6	wet	10	SW-SM		Reddish Brown (2.5YR 4/3) fine to coarse SAND and SILT, loose, wet. No odor.	
22		0.3						EF-B06_22.0
23		0.1						
24		0.1						
25								
26							End of boring at 25 ft.	
27								
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Comments: COPR (10%) identified from 0.5-5.0 ft bgs.

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Boring ID: EF-07

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611907.006
Date Started Drilling: 4/13/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683429.385
Date Finished Drilling: 4/14/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5.4 ft
Physical Location: Corner of Forrest and Halladay		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0		2	Fill		Black Asphalt	EF-B07_0.6
2		2.1	dry	3	Fill		Very Pale Brown (10YR 7/2) fine to medium CLAYEY SAND, loose, dry. Slight Coal Tar odor.	EF-B07_2.0
3		0	moist	4B	Fill		Very Dark Brown (10YR 2/2) CLAYEY SILT, trace Fill Material (coal, slag, wood) and COPR (10%), loose, moist. Coal Tar odor.	EF-B07_2.5
4		0	moist to wet	3	Fill		Brown (10YR 4/3) fine SAND and interbedded SILT, trace medium to fine Gravel, loose, moist to wet at 5.4'. Slight Coal Tar odor.	EF-B07_4.0
5		9.2						
6		6.9						EF-B07_6.0
7	1.2				Fill		No Recovery	
8								
9								
10		5.4						
11		9.6	wet	10	SP-SM		Reddish Brown (2.5YR 4/3) very fine SAND interbedded with SILT, wet, loose. No odor.	EF-B07_11.0
12		0.9						
13	3				SP-SM		No Recovery	
14								
15		0.3						
16		0.4	wet	10	SP		Weak Red (10YR 4/4) very fine to fine SAND, little Silt, trace fine angular Gravel, wet, loose to moderately dense. No odor.	
17		0.5						EF-B07_17.0
18	5	1.6						
19		0.6						
20		0.4						
21		2.7						
22		0.6						EF-B07_22.0
23	5	0.4						
24		0.3						
25		0.1						
26							End of boring at 25 ft.	
27								
28								
29								
30								
31								
32								
33								
34								
35								

Comments: COPR (10%) identified from 1.3-3.0 ft bgs.

Comments: COPR (5%) identified from 0.3-5.0 ft bgs.

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Boring ID: EF-09

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611820.649
Date Started Drilling: 4/14/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683264.211
Date Finished Drilling: 4/15/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: A. Salazar, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5 ft
Physical Location:		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	moist	2	Fill		Black Asphalt Brown (10YR 4/3) SANDY SILT, little Clay, trace fine Gravel and Fill Material, moist, loose. Strong coal tar and naphthalene odor.	EF-B09_0.25
2		856		3	Fill			EF-B09_2.0
3		276						EF-B09_2.5
4		0						EF-B09_4.0
5		113						
6		506						
7	3	276						EF-B09_6.5
8								EF-B09_7.5
9					Fill		No Recovery	
10		233						EF-B09_10.0
11		1330	moist	3	Fill			
12		149	wet	10	SP		Weak Red (10R 4/4) fine SAND, trace Silt, dense, wet. Strong coal tar and naphthalene odors.	EF-B09_12.5
13	3				SP			
14								
15		339					Reddish Brown (2.5YR 4/3) fine to coarse SANDY SILT, trace fine angular Gravel, dense, wet. Coal tar and naphthalene odors.	
16		289	wet	10	SW-SM			
17		327						
18	5	126						EF-B09_17.5
19		5.4						
20							Weak Red (10YR 5/3) fine to coarse SAND, trace Silt, loose, wet. Slight coal tar and naphthalene odors.	EF-B09_21.0
21		15.6	wet	10	SW			EF-B09_21.0X
22	1.5				SW			
23								
24							End of boring at 25 ft.	
25								
26								
27								
28								
29								
30								
31								
32								
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Comments: No COPR/GGM identified at this location.

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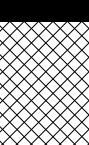
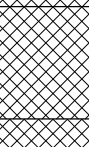
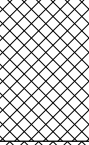
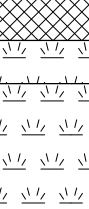

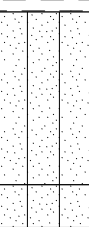
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Boring ID: EF-14

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611459.371
Date Started Drilling: 5/6/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682763.459
Date Finished Drilling: 5/9/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5.3/21 ft
Physical Location: Behind Halsted Building		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number						
1	1.1	0	moist	2	Fill		Black Asphalt Brown (7.5YR 4/2) fine to coarse SAND and Gravel, some Fill Material (ash, cinder, brick, wood, glass), moist, loose. Slight petroleum odor.	EF-B14_0.5						
2		0		3				EF-B14_2.0 EF-B14_2.5						
3		0.3	wet	6	Fill				Dark Gray (2.5Y 4/1) SILT and CINDERS, some Ash, little Coal fragments, wet at 5.3', loose. No odor.	EF-B14_4.0				
4		0.4					EF-B14_6.0							
5		1.1						2			No Recovery			
6	0													
7														
8														
9														
10	3	2	moist	7	PT		Same as above. Dark Brown (10YR 4/4) PEAT, Organics, little Silt, semi-cohesive, moist. Sulfur odor. No Recovery	EF-B14_10.0						
11		1.3												
12		22.8												
13														
14														
15	4	3	moist	7	OL		Dark Brown (10YR 4/4) Organic SILT, some to little Organics, semi-cohesive, stiff, moist. Sulfur odor.							
16		3.8												
17		91.6							No Recovery					
18		4						EF-B14_17.5						
19														
20	4	4	wet	8	SM		Gray (Gley1 5/0) fine to medium SAND, little interbedded Silt, medium dense to loose, wet. Slight coal tar odor.							
21	23.2													
22	11.2													
23	3.8								No Recovery					
24	0.8													
25	4				SM		No Recovery							
26							End of boring at 25 ft.							
27														
28														
29														
30														
31														
32														
33														
34														
35														

Comments: No COPR/GGM identified at this location.

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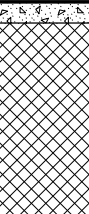
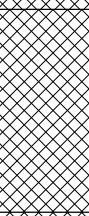
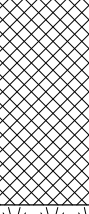
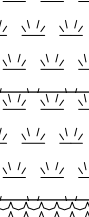
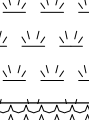
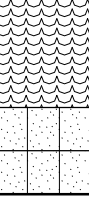

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Boring ID: EF-15

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611293.13
Date Started Drilling: 4/28/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682670.28
Date Finished Drilling: 4/28/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5/23 ft
Physical Location: Indoor boring		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	moist	1	Fill		Concrete	EF-B15_0.5
2		0		Dark Brown (7.5YR 3/3) fine to medium SAND, some Silt and fine to coarse angular Gravel, little Fill Material (ash, cinders, glass, coal), moist, loose. No odor.			EF-B15_2.0	
3		0					EF-B15_4.0	
4		0						
5		0					EF-B15_5.0	
6	0.3			6	Fill Fill		Black CINDERS and ASH, wet, loose. No odor.	
7				No Recovery				
8								
9								
10				0				EF-B15_10.0
11	0.2			6	Fill Fill		Same as above.	
12				No Recovery				
13								
14								
15				0				
16	2.5	0	moist	7	PT		Reddish Brown (2.5YR 3/4) PEAT, Organics, moist, medium. Sulfur odor.	
17		0					EF-B15_17.0	
18				PT			No Recovery	
19								
20							0	
21	4	15.3	moist	7	OH		Gray (10YR 4/1) Organic SILTY CLAY, semi-cohesive, moist, stiff. Sulfur odor.	
22		17.8					EF-B15_22.0	
23		0						
24			wet	8	SM		Gray (Gley1 6/0) very fine SAND and SILT, wet, loose. Sulfur odor.	
25				SM	No Recovery			
26							End of boring at 25 ft.	
27								
28								
29								
30								
31								
32								
33								
34								
35								

Comments: No COPR/GGM identified at this location.

PPG - GINT STD US LAB.GDT - 11/3/11 14:35 - \\USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L



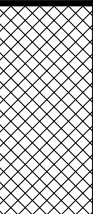
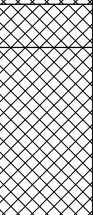
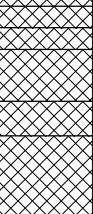

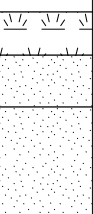
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Boring ID: EF-16

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611373.901
Date Started Drilling: 4/15/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682643.445
Date Finished Drilling: 4/15/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: A. Salazar, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5 ft
Physical Location: Alleyway on Carteret between Pacific and Halladay St.		

(Note bgs = below ground surface)

(Note bgs = below ground surface)								
Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	moist	2 3	Fill		Black Asphalt Dark Brown (10YR 2/1) fine SANDY SILT, some Organics, little Fill Material (coal, ash) and fine to medium angular Gravel, moist, loose. No odor.	EF-B16_0.0
2		0						
3		0						EF-B16_2.5 EF-B16_3.0
4		0						EF-B16_4.0
5		0						
6	1			6	Fill		Reddish Gray (2.5YR 5/1) ASH and CINDERS, little Coal fragments and Silt, wet, loose. No odor. No Recovery	EF-B16_5.5
7				Fill				
8								
9								
10			0		EF-B16_10.0			
11	3	0.1	moist	6	Fill		Same as above. Red (2.5YR 5/6) SILT and fine to coarse SAND, chalky texture, 70% GGM, wet, loose. Chemical odor. Gray (7.5YR 6/1) and Lime Green mottled SILT and fine to medium SAND (100% GGM), trace COPR nodules, wet, soft. Chemical odor. Black medium crushed GRAVEL, little Silt and fine Sand, wet, loose. No odor. No Recovery	EF-B16_11.0
12		0.1	wet	5	Fill			EF-B16_12.0
13			wet	3	Fill			
14					Fill			
15		0						EF-B16_15.0
16	2.6	64	wet	3	Fill		Dark Brown (10YR 2/1) very fine SAND, some Silt, trace fine Gravel, wet, loose. No odor. Reddish Black (2.5YR 2.5/1) PEAT, some Silty Clay and organics, semi-cohesive, stiff. Sulfur odor. No Recovery	EF-B16_16.0
17		27	moist	7	PT			
18					PT			
19								
20		224						
21	2.2	76	moist	7	PT		Same as above. Grey (Gley1 6/0) very fine SAND, interbedded with some fine Sand, trace Silt, medium dense, wet. No odor. No Recovery	EF-B16_21.0
22		52	wet	8	SP			
23					SP			
24								
25								
26						End of boring at 25 ft.		
27								
28								
29								
30								
31								
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Comments: GGM identified from 10.5-12.2 ft bgs.

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Boring ID: EF-17

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611494.743
Date Started Drilling: 4/19/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682560.847
Date Finished Drilling: 4/20/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 4 ft
Physical Location: Pacific and Carteret		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		Dark Brown (7.5YR 3/2) fine to medium SAND and SILT, little fine to medium angular Gravel, Organics, and Fill Material (glass, slag, brick), dry, loose. No odor.	EF-B17_0.5
2		0						EF-B17_2.0
3		0						EF-B17_2.5
4		0						EF-B17_4.0
5		0.3	wet	3	Fill		Brown (7.5YR 4/3) SILT, some fine Sand, little fine to medium Gravel, trace Fill (slag), wet, medium stiff. No odor.	
6		0.7	wet	6	Fill		Reddish Brown (5YR 4/3) to Black fine to medium SAND, some Cinders, Coal and Ash, trace Glass, medium dense, wet. No odor.	EF-B17_6.0
7	2.1		moist	3	Fill		Brown (7.5YR 4/2) SILT, little fine to medium Sand and Clay, soft, moist. No odor.	
8					Fill		No Recovery	
9								
10		0.1						EF-B17_10.0
11		0	moist	3	Fill		Same as above.	
12		0						EF-B17_12.0
13	3.2							EF-B17_12.0X
14			moist	7	PT PT		Dark Reddish Gray (2.5YR 3/1) PEAT, Organics, medium stiff, moist. Sulfur odor.	
15		124					No Recovery	
16		106	moist	7	OH		Very Dark Gray (7.5YR 3/1) Organic SILTY CLAY, cohesive, stiff, moist. Sulfur odor.	
17								EF-B17_17.0
18	2.1				OH		No Recovery	
19								
20		49.2						
21		45.7	moist	7	OH		Same as above.	
22		165						
23	5	10.8						EF-B17_22.5
24		0.4	moist	8	SC		Gray (Gley1 3/0) fine to medium SAND, little Clay, trace Silt, semi-cohesive, medium dense, moist. No odor.	
25								
26							End of boring at 25 ft.	
27								
28								
29								
30								
31								
32								
33								
34								
35								

Comments: No COPR/GGM identified at this location.

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Boring ID: EF-20

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611129.014
Date Started Drilling: 4/18/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682221.139
Date Finished Drilling: 4/19/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 6.3/20 ft
Physical Location: Pacific Avenue		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	moist	2 3	Fill		Black Asphalt	EF-B20_0.5
2		0					Reddish Brown (5YR 4/3) SILT, little fine angular Gravel and Fill Material (slag, glass, cinders, debris), loose, moist. No odor.	EF-B20_2.0
3		0						EF-B20_2.5
4		0						EF-B20_4.0
5		143						
6		0.3	wet	6	Fill		Black SILT, some Fill Material (cinders, ash, coal) and fine to medium Sand, very soft, wet at 6.3'. No odor.	EF-B20_6.0
7	2.2							EF-B20_7.0
8					Fill		No Recovery	
9								
10		0						EF-B20_10.0
11		0	wet	3	Fill		Reddish Brown (2.5YR 4/3) SILT and fine SANDY SILT, interbedded, soft to medium dense, wet. No odor.	EF-B20_12.0
12	2.3							
13					Fill		No Recovery	
14								
15		1.4						EF-B20_15.0
16		1.8	moist	3 7	Fill OH		Same as above.	
17	2.1						Very Dark Gray (10YR 3/1) Organic SILTY CLAY, little to trace Organics, cohesive, moist. Sulfur odor.	EF-B20_17.0
18					OH		No Recovery	
19								
20		0.3						
21		0.4	wet	8	SP		Gray (Gley1 3/0) very fine to fine SAND (SP), trace Silt, medium dense, wet. No odor.	EF-B20_22.0
22	2							
23					SP		No Recovery	
24								
25								
26							End of boring at 25 ft.	
27								
28								
29								
30								
31								
32								
33								
34								
35								

Comments: No COPR/GGM identified at this location.

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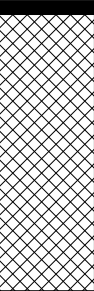
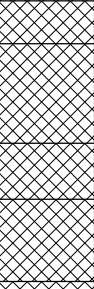
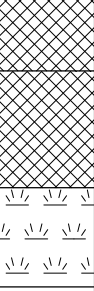
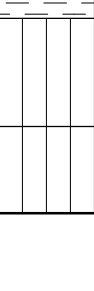

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

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611037.146
Date Started Drilling: 4/18/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682131.021
Date Finished Drilling: 4/19/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 2/20.5 ft
Physical Location:		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number	
1		0	dry to wet	2 3	Fill		Black Asphalt Very Dark Gray (7.5YR 3/1) SILT, some medium to fine Gravel, trace Clay and Fill Material (cinders, slag, coal, glass), loose, dry to wet at 2', slight sheen. No odor.	EF-B21_0.5	
2		0						EF-B21_2.0	
3		0						EF-B21_2.5	
4		2.1						EF-B21_4.0	
5		0							
6	2.7	0	moist	3	Fill		Dark Reddish Gray (2.5YR 3/1) SILT and fine SAND, trace fine Gravel, soft, moist. No odor. No Recovery	EF-B21_6.0	
7		0						EF-B21_7.5	
8									
9									
10		0						EF-B21_10.0	
11	3.2	0	moist	3	Fill		Same as above		
12		0	moist	3	Fill		Weak Red (10R 4/3) fine SAND, some Silt, trace coarse Sand and fine Gravel, medium dense, moist. No odor.	EF-B21_12.0	
13							EF-B21_12.5		
14				Fill	No Recovery				
15		0							
16	5	0	moist	3	Fill		Same as above.	EF-B21_16.0	
17		0					EF-B21_17.5		
18		164	moist	7	PT		Dark Reddish Brown (5YR 3/2) PEAT, Organics, little Silty Clay, semi-cohesive, medium stiff, moist. Sulfur odor.		
19		584							
20		14.6							
21	3	72.4	moist wet	7 8	OL ML		PEAT and Dark Gray (Gley1 3/0) SILT interbedded, medium stiff, moist. Sulfur odor. Dark Gray (Gley1 3/0) SILT and fine to medium SANDY SILT interbedded, soft, wet. Sulfur odor.		
22		64.8					EF-B21_22.5		
23									
24					ML		No Recovery		
25									
26						End of boring at 25 ft.			
27									
28									
29									
30									
31									
32									
33									
34									
35									

Comments: No COPR/GGM identified at this location.

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610982.89
Date Started Drilling: 5/6/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682432.96
Date Finished Drilling: 5/6/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 6 ft
Physical Location: Indoor boring on Halladay Street		

(Note bgs = below ground surface)									
Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number	
1	2	0	dry	1	Fill		Concrete	EF-B23_0.5	
2		0		4B			Dark Brown (7.5YR 3/2) fine to coarse SAND, some fine to medium angular Gravel and Fill Material (ash, cinder), little COPR (15%), loose, dry. No odor.	EF-B23_2.0	
3		10.1	dry	4B	Fill		Brown (7.5YR 4/3) fine to coarse SAND and COPR (60%), little Silt, little fine to medium Gravel, loose, dry. No odor.		
4		10.1	moist	3	Fill		Red Brick and Mortar (Foundation)	EF-B23_4.0	
5		3.6		3	Fill		Very Dark Brown (7.5YR 2.5/2) SILT and fine SAND, some medium angular Gravel and Fill Material (concrete, coal, ash, cinder), medium dense, moist. Petroleum odor.	EF-B23_4.0X	
6	2	16.1	wet	3	Fill		Same as above, Oil/Water mix, loose, wet. Coal tar odor. Water is Yellow. No Recovery	EF-B23_6.0	
7									
8									
9									
10		0.6							EF-B23_10.0
11	0.3		wet	6	Fill		Black-stained medium angular GRAVEL, little Coal and Slag, loose, wet. Oil/Water mix with blebs of reddish-brown viscous oil, strong coal tar odor. No Recovery		
12		wet	Fill						
13									
14									
15		0.2							EF-B23_15.0
16	0.1		wet	6	Fill		Black-stained very fine SAND, loose, wet. Oil/Water mix, strong coal tar odor. No Recovery		
17			Fill						
18									
19									
20		0.7							EF-B23_20.0
21	1		moist	7	PT		Dark Reddish Brown (5YR 3/2) PEAT, Organics, little Silty Clay, semi-cohesive, medium stiff, moist. Sulfur odor.		
22		moist	8	SP	Gray (Gley1 6/0) very fine SAND, trace medium angular Gravel, medium dense, moist. Sulfur odor.				
23							No Recovery		
24									
25									
26						End of boring at 25 ft.			
27									
28									
29									
30									
31									
32									
33									
34									
35									

Comments: COPR identified from 0.5 - 2.8 ft bgs.

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Boring ID: EF-24

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610663.895
Date Started Drilling: 4/15/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682396.486
Date Finished Drilling: 4/18/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: A. Salazar, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 6.5 ft
Physical Location:		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		Brown (10YR 4/3) fine SILTY SAND, some Fill Material, trace Coal Ash, loose, dry. No odor.	EF-B24_0.0
2		0						EF-B24_2.0
3		0						EF-B24_2.5
4		0	dry	3	Fill		Red Brick and Mortar (Foundation)	EF-B24_4.0
5		0	moist	6	Fill		Dark Reddish Brown (5YR 3/2) medium SILTY SAND, some Fill Material (cinders, ash, gravel), loose, moist. No odor.	
6		0						EF-B24_6.0
7			wet	6	Fill		Gray (2.5Y 5/1) ASH and CINDERS, little Silt, loose, wet. No odor.	EF-B24_6.5
8					Fill		No Recovery	
9								
10		0						EF-B24_10.0
11		0	moist	6	Fill		Dark Reddish Brown (5YR 3/2) medium SILTY SAND, some Fill Material (cinders, ash, gravel), loose, moist. No odor.	EF-B24_10.0X
12								EF-B24_11.5
13	1.8				Fill		No Recovery	
14								
15		0						
16		0.3	moist	7	OL		Black Organic SILT, medium dense, moist. No odor.	
17		14.8	moist	7	PT		Dark Reddish Brown (5YR 3/2) PEAT, Organics, little Silty Clay, semi-cohesive, medium stiff, moist. Sulfur odor.	EF-B24_16.0
18	2.8							EF-B24_17.5
19					PT		No Recovery	
20		1.7						
21		5.6	moist	7	PT		Same as above.	
22	2.8	25						EF-B24_22.5X
23					PT		No Recovery	EF-B24_22.5
24								
25								
26							End of boring at 25 ft.	
27								
28								
29								
30								
31								
32								
33								
34								
35								

Comments: No COPR/GGM identified at this location. Foundation in North portion of soft dig hole.

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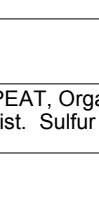




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Boring ID: EF-25

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610709.568
Date Started Drilling: 4/15/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682483.96
Date Finished Drilling: 4/18/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: A. Salazar, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 6.5 ft
Physical Location:		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number	
1		0	dry	3	Fill		Brown (7.5YR 4/3) fine to medium SILTY SAND, little medium to coarse angular Gravel, trace Organics and Slag, loose, dry. No odor.	EF-B25_0.5	
2		0						EF-B25_2.0	
3		0						EF-B25_2.5	
4		0						EF-B25_4.0	
5		0							
6	1.7	0	moist	6	Fill		Very Dark Gray (7.5YR 3/1) SILT, ASH and CINDERS, loose, moist. No odor.	EF-B25_6.0	
7		wet	6	Fill Fill	Same as above, wet. No Recovery			EF-B25_6.5	
8									
9									
10		0							EF-B25_10.0
11	2.1	0	wet	6	Fill		Same as above, wet.		
12				Fill	No Recovery			EF-B25_11.5	
13									
14									
15		0							
16	3.1	0	wet	6	Fill		Same as above, wet.	EF-B25_16.0	
17		moist	7	PT				Dark Reddish Brown (5YR 3/2) PEAT, Organics, little Silty Clay, semi-cohesive, medium stiff, moist. Sulfur odor.	
18									
19									
20		1.8			PT				No Recovery
21	2	57.2	moist	7	PT		Same as above.		
22									
23				PT		No Recovery			
24									
25									
26							End of boring at 25 ft.		
27									
28									
29									
30									
31									
32									
33									
34									
35									

Comments: No COPR/GGM identified at this location.



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Boring ID: EF-26

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610746.524
Date Started Drilling: 4/15/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682562.477
Date Finished Drilling: 4/18/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: A. Salazar, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5 ft
Physical Location:		


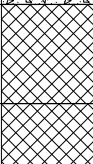
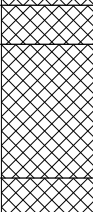
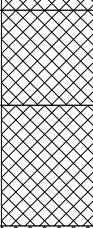
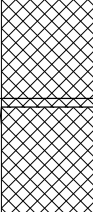
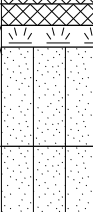

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	moist	3	Fill		Brown (7.5YR 3/2) fine to medium SILTY SAND, little Fill Material, trace Coal Ash, loose, moist. No odor.	EF-B26_0.0
2		0						EF-B26_2.1
3		0						EF-B26_2.5
4		0						EF-B26_4.0
5		0						
6		0	wet	4A	Fill		Dark Reddish Brown (2.5YR 3/4) COPR nodules (100%), fine to 1.5 in diameter nodules, texture of silt and fine sand, medium dense, wet. No odor.	EF-B26_6.0
7		0						EF-B26_7.0
8	2.4		wet	3	Fill		Black fine to medium SAND, little fine angular Gravel and Wood fragments, loose, wet. No odor.	
9					Fill		No Recovery	
10		0						EF-B26_10.0
11		0	wet	4B	Fill		Dark Reddish Brown (2.5YR 3/4) COPR nodules (75%), fine to 0.5 in diameter nodules, some Silt and fine Sand, loose, wet. No odor.	
12	4.1	0	wet	3	Fill		Very Dark Gray (7.5YR 3/1) SILT and fine SAND, trace fine to medium Gravel, loose, wet. No odor.	EF-B26_12.0
13		0	dry	5	Fill		Gray (5Y 6/1) SILT/GGM (100%), slight crushed cement texture, medium dense, dry. Chemical odor.	EF-B26_12.5
14			wet	3	Fill		Very Dark Gray (7.5YR 3/1) SILT and fine SAND, trace fine to medium Gravel, loose, wet. No odor.	EF-B26_14.0
15		0			Fill		No Recovery	
16		7.8	moist	3	Fill		Same as above, some Fill Material (cinders, glass), moist.	EF-B26_16.0
17	2.7	18.2	moist	7	PT		Dark Reddish Brown (5YR 3/2) PEAT, Organics, little Silty Clay, semi-cohesive, medium stiff, moist. Sulfur odor.	EF-B26_17.5
18					PT		No Recovery	
19								
20		0						
21		0	moist	7	PT		Same as above.	
22	4	105	wet	10	SW		Dark Reddish Brown (5YR 3/2) medium SAND, little fine and coarse Sand, trace Silt, loose, wet. No odor.	
23		18.5	moist	7	PT		Dark Reddish Brown (5YR 3/2) PEAT, Organics, little Silty Clay, semi-cohesive, medium stiff, moist. Sulfur odor.	EF-B26_22.5
24								
25					PT		No Recovery	
26							End of boring at 25 ft.	
27								
28								
29								
30								
31								
32								
33								
34								
35								

Comments: COPR identified from 5-11 ft, GGM identified from 12.1-13.5 ft bgs.

PPG - GINT STD US LAB.GDT - 11/3/11 14:35 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610768.845
Date Started Drilling: 4/20/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682665.435
Date Finished Drilling: 4/21/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 2.9 ft
Physical Location: Behind Site 132 building		

(Note bgs = below ground surface)										
Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number		
1		0	dry	1			Concrete	EF-B27_1.2		
2		0	moist	3	FILL		Reddish Yellow (7.5YR 6/6) fine to medium SAND, some Silt, little fine to medium Gravel, loose, moist. No odor.	EF-B27_2.0		
3		0						EF-B27_2.5		
4		0	wet	4B	FILL			EF-B27_4.0		
5		0								
6	4	0	wet	3	FILL				Brown (7.5YR 5/3) fine to medium SAND, some Silt, little fine rounded Gravel, loose, wet. No odor. Greenish Gray (Gley1 5/1) GGM (90%), texture of Silt and medium Sand, trace Cinders, Ash and Mica fragments, loose to medium stiff, wet. Chemical odor.	EF-B27_6.0
7		0	wet	5	FILL					
8		0				EF-B27_8.0				
9										
10		0			FILL	No Recovery	EF-B27_10.0			
11	2.2	0	wet	5	FILL		Same as above, 98% GGM.	EF-B27_12.0		
12										
13				FILL	No Recovery					
14										
15		0						EF-B27_15.0		
16	2.5	0	wet	5	FILL		Same as above, 100% GGM.	EF-B27_16.5		
17		0								
18		0	moist	12	FILL				Black-stained SILTY CLAY, soft, semi-cohesive, moist. No odor. CANAL BOTTOM. No Recovery	
19					FILL					
20										
21		2.5	moist	12	FILL		Same as above. Dark Reddish Brown (5YR 3/2) PEAT, Organics, little Silty Clay, semi-cohesive, medium stiff, moist. Sulfur odor. Gray (Gley1 6/0) very fine SAND and SILT, wet, loose. Sulfur odor.	EF-B27_21.5		
22		0.3	moist	7	PT					
23		0	wet	8	SM					
24					SM			No Recovery		
25										
26							End of boring at 25 ft.			
27										
28										
29										
30										
31										
32										
33										
34										
35										

Comments: COPR identified from 3.5-5.0 ft. GGM identified from 5.9-17.3 ft. Canal bottom identified from 17.3-20.5 ft bgs.

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Boring ID: EF-28

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610690.308
Date Started Drilling: 4/20/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682679.808
Date Finished Drilling: 4/22/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5 ft
Physical Location: Behind Site 132 building		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2			Black Asphalt	EF-B28_0.8
2		1.1	dry	3	Fill		Very Dark Gray (10YR 3/1) fine to medium SAND, some Silt and medium Gravel, little Fill Material (slag, glass, debris), medium dense, dry. Petroleum odor.	EF-B28_2.0
3		1.2						EF-B28_2.5
4		1.2	dry	3	Fill			EF-B28_4.0
5		0	wet	6	Fill		Brick and Cobble stone, dense, dry. Dark Gray (10YR 4/1) ASH and CINDERS, little Silt, trace medium Gravel, loose, wet. No odor.	
6		0						EF-B28_5.5
7	1.1				Fill		No Recovery	
8								
9								
10		0						EF-B28_10.0
11		0	wet	6	Fill		Same as above, little Coal fragments.	EF-B28_11.0
12					Fill		No Recovery	
13	1.5							
14								
15		0						EF-B28_15.0
16		0.3	wet moist	6 3	Fill Fill		Same as above. Dark Reddish Gray (5YR 4/2) Organic SILT, little Clay, little interbedded Red-Brown Silty Sand, soft, moist. Oil odor.	
17		7	moist	7	PT		Dark Reddish Brown (5YR 3/2) PEAT, Organics, little Silty Clay, semi-cohesive, medium stiff, moist. Sulfur odor.	EF-B28_17.5
18					PT		No Recovery	
19								
20		2.3						
21		0	moist	7	PT		Same as above.	
22		0						
23	5	0						EF-B28_22.5
24		0						
25			moist	8	SM		Gray (Gley1 6/0) very fine SAND, little Silt and Red-Brown fine Gravel, medium dense, moist. No odor.	
26							End of boring at 25 ft.	
27								
28								
29								
30								
31								
32								
33								
34								
35								

Comments: No COPR/GGM identified at this location.



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Boring ID: EF-29

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610571.831
Date Started Drilling: 4/20/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682736.28
Date Finished Drilling: 4/22/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 6.5 ft
Physical Location: Behind Site 132 building		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2			Black Asphalt	EF-B29_0.8
2		0	moist	3	Fill		Reddish Brown (5YR 4/4) fine to medium SILTY SAND, some Ash and Cinders, little fine to coarse Gravel, loose, moist. No odor.	EF-B29_2.0 EF-B29_2.5
3		0						
4		0						EF-B29_4.0
5		0						
6		0	moist	6	Fill		Gray (7.5YR 5/1) SILT and CINDERS, little Ash and Coal fragments, loose, moist. No odor.	EF-B29_6.5
7	2.2							
8					Fill		No Recovery	
9								
10		0						EF-B29_10.0
11		0	moist	6	Fill		Same as above.	EF-B29_10.0X
12		0						
13	3.1		moist	3	Fill		Reddish Brown (5YR 4/3) SILT, trace Organics, medium stiff, moist. No odor.	EF-B29_12.5
14					Fill		No Recovery	
15		0						EF-B29_15.0
16			moist	3	Fill		Same as above.	
17	0.7				Fill		No Recovery	
18								
19								
20		0						
21		0	moist	10	SM		Brown (10YR 4/3) fine SAND and SILT, little coarse angular Gravel, dense, moist. No odor.	EF-B29_21.0
22	1.8		moist	10	SM		Reddish Brown (2.5YR 4/4) and Strong Brown (7.5YR 5/6) fine to medium SAND, some Silt and fine to medium Gravel, dense, moist. No odor.	
23					SM		No Recovery	
24								
25								
26							End of boring at 25 ft.	
27								
28								
29								
30								
31								
32								
33								
34								
35								

Comments: No COPR/GGM identified at this location.

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Boring ID: EF-30A

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
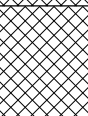
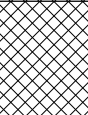
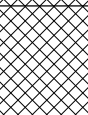


Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610881.951
Date Started Drilling: 4/20/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682901.91
Date Finished Drilling: 4/21/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 0.7/21 ft
Physical Location: One Site 132, parking lot		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	moist	2			Black Asphalt	EF-B30A_0.7
2		0	wet	4B	Fill		Dusky Red (10R 3/3) COPR (80%) and fine to medium GRAVEL, some fine Sand and Silt, loose, wet. No odor.	EF-B30A_2.0 EF-B30A_2.5
3		0	wet	5	Fill		Gray (5Y 6/1) SILT/GGM (60%), some fine to medium Gravel, little COPR nodules (40%), medium dense, wet. Chemical odor.	EF-B30A_4.0
4		0						
5	5	0						
6		0	wet	5	Fill		Greenish Gray (Gley1 6/1) with trace Lime Green staining GGM (100%), Chalky, Silt and medium Sand texture, trace COPR, medium dense, wet. Chemical odor.	EF-B30A_6.0
7	5	0						
8		0						EF-B30A_8.0
9		0						
10		0						EF-B30A_10.0
11		0						
12		0						EF-B30A_12.0
13	3.5	0						
14			moist	12	Fill		Black-stained CLAY, cohesive, soft, moist. No odor. CANAL BOTTOM.	
15		0.1			Fill		No Recovery	
16		0	moist	12	Fill		Very Dark Gray (Gley1 3/0) CLAY, little Silt, cohesive, soft, moist. No odor.	EF-B30A_16.0
17	1.3		dry	8	SM		Gray (Gley1 6/0) very fine SAND and SILT, stiff, dry. No odor.	
18					SM		No Recovery	
19								
20		0						
21		0	moist	8	SP		Gray (Gley1 6/0) fine GRAVELLY SAND (SP) and Weak Red (5YR 4/4) fine to coarse SILTY SAND (SM) interbedded, medium dense, moist. No odor.	EF-B30A_22.0
22	2		wet	10	SP		Weak Red (5YR 4/4) fine SAND, some coarse Sand, trace Silt and medium rounded Gravel, loose, wet. No odor.	
23					SP		No Recovery	
24								
25								
26							End of boring at 25 ft.	
27								
28								
29								
30								
31								
32								
33								
34								
35								

Comments: COPR identified from 0-5.5 ft at this location, GGM identified from 2.5-13.1 ft bgs.

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610940.359
Date Started Drilling: 4/20/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683007.217
Date Finished Drilling: 4/20/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 3.0/21 ft
Physical Location: On Morris Canal in Site 132 Parking Lot		

(Note bgs = below ground surface)									
Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number	
1		0	dry	2	Fill		Black Asphalt	EF-B31_0.5	
2		0	dry	3			Brown (7.5YR 4/3) fine to coarse angular GRAVEL and SAND, loose, dry. No odor	EF-B31_2.0	
3		0	moist	4B			Dark Brown (7.5YR 3/3) fine to coarse SAND and fine to medium rounded Gravel, 35-40% COPR, medium dense, moist. No odor.	EF-B31_2.5	
4		0	wet	4B			Same as above, 50-30% COPR, wet.	EF-B31_4.0	
5		0							
6	3	0	wet	5	Fill		Greenish Gray (Gley1 5/1) to Black chalky SILT (90% GGM), interbedded with some Ash and Cinders, soft, wet. Chemical odor.	EF-B31_6.0	
7		0						EF-B31_7.5	
8									
9									
10		0			Fill		No Recovery	EF-B31_10.0	
11	4	0	wet	5	Fill		Greenish Gray (Gley1 5/1) GGM (100%), texture of Silt and medium to coarse Sand, chalky, loose to medium dense, wet. Chemical odor.		
12		0							
13		0						EF-B31_12.5	
14								EF-B31_14.0	
15		0			Fill		No Recovery		
16	4.4	0	5% CANAL BOTTOM		Fill		Same as above.	EF-B31_16.0	
17		0							
18		0						EF-B31_18.0	
19		0							
20	2	0	moist	12	Fill		Black-stained CLAY, trace fine Sand and Coal fragments, stiff, moist. No odor. (Canal Bottom)		
21		0	moist	8	SP		No Recovery		
22	2		wet	10	SP		Gray (Gley1 5/0) very fine SAND and fine sub-angular GRAVEL, dense, moist. No odor.	EF-B31_22.0	
23					SP		Weak Red (10R 4/3) fine to medium SAND and fine rounded GRAVEL, little Silt, loose, wet. No odor.		
24							No Recovery		
25									
26							End of boring at 25 ft.		
27									
28									
29									
30									
31									
32									
33									
34									
35									

Comments: COPR identified in 0-5 ft bgs interval, GGM identified from 5-19 ft bgs.

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Boring ID: EF-32

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610825.078
Date Started Drilling: 4/21/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683132.991
Date Finished Drilling: 4/21/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 1.5/20 ft
Physical Location: On Site 143		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		41	dry	4B	Fill		Very Dark Gray (7.5YR 3/1) fine to medium Gravelly SAND, little Silt and COPR (15%), loose, dry. Slight petroleum odor.	EF-B32_0.5
2		0.8	wet	3	Fill		Black (10YR 2/1) fine to medium Gravelly SAND, little Silt and Cobbles, medium dense, wet. Slight petroleum odor.	EF-B32_2.0
3		0.6	wet	4B	Fill		Same as above, trace COPR, wet. No odor.	EF-B32_2.0X
4		0.4	wet	6	Fill		Brown (7.5YR 5/3) fine SAND and SILT, some Coal Ash and Cinders, loose, wet. No odor.	EF-B32_2.5
5		0						EF-B32_4.0
6								EF-B32_6.0
7	1.1		wet		Fill		No Recovery	
8								
9								
10	1.3	0						
11			wet	6	Fill		Gray (10YR 6/1) ASH, some Cinders, little Coal and Slag, loose, wet. No odor.	EF-B32_10.5
12			wet		Fill		No Recovery	
13								
14								
15		0						EF-B32_15.0
16			moist	7	PT		Dark Reddish Brown (5YR 3/2) PEAT, Organics, little Silty Clay, semi-cohesive, medium stiff, moist. Sulfur odor.	
17			moist		PT		No Recovery	
18	0.4							
19								
20	2	0						
21		0	wet	10	SP-SM		Weak Red (10YR 4/3) coarse SAND, some Silt and fine to medium Sand, trace Clay and interbedded Gray fine Sand, medium dense, wet. No odor.	EF-B32_21.0
22			wet	10	SP-SM		Dark Red (2.5YR 3/6) fine to medium SAND, some Silt, little medium angular Gravel, medium dense, wet. No odor.	
23	2		wet		SP-SM		No Recovery	
24								
25								
26							End of boring at 25 ft.	
27								
28								
29								
30								
31								
32								
33								
34								
35								

Comments: 15% COPR at 0.0-1.5 ft, trace of COPR identified from 2.5-3.0 ft bgs.

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Boring ID: EF-33

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610684.45
Date Started Drilling: 4/21/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683168.566
Date Finished Drilling: 4/21/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5/20 ft
Physical Location: On Site 143		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2	Fill		Black Asphalt	EF-B33_0.5
2		0	dry	4B			Black (7.5YR 2.5/1) fine to medium SAND and SILT, some Gravel, little COPR (10-15%) and Fill Material (coal, debris), medium dense, dry. No odor.	EF-B33_2.0
3		0						EF-B33_2.5
4		0	moist	3	Fill		Very Dark Gray (5YR 2.5/1) fine to coarse Silty SAND, some angular Gravel, trace Fill Material (glass, debris), medium dense, moist. No odor.	EF-B33_4.0
5		0						
6		0	wet	3	Fill		Reddish Brown (2.5YR 4/4) fine SAND and GRAVEL, little Silt, loose, wet. No odor.	EF-B33_6.0
7	1.6		moist	3	Fill		Black SILT, trace fine Sand and Gravel, soft, moist. No odor.	
8			moist		Fill		No Recovery	
9								
10		0.1						EF-B33_10.0
11		0	moist	3	Fill		Dark Reddish Gray (5YR 4/2) SILT and very fine SAND, little Cinders and Coal, soft, moist. No odor.	
12		0						EF-B33_12.0
13	3		moist	7	PT		Black PEAT (PT), Organics, little Silty Clay, semi-cohesive, medium stiff, moist. Sulfur odor.	
14			moist		PT		No Recovery	
15		0						
16		0	moist	7	PT		Same as above.	
17		0	moist	8	SP		Brown (10YR 5/3) to Gray (Gley1 6/0) very fine SAND, trace Silt, dense, moist. No odor.	EF-B33_17.0
18	3.1		dry	10	SP-SM		Dusky Red (10R 3/4) SILT and coarse SAND, very dense, dry. No odor.	
19			dry		SP-SM		No Recovery	
20		0						
21		0	wet	10	SP-SM		Weak Red (10R 4/3) fine to medium SAND, interbedded with Gray (Gley1 6/0) SILT, loose, wet. No odor.	
22	3.7	0	moist	10	SP-SM		Weak Red (10R 4/3) medium SAND and SILT, some fine subangular Gravel, dense, moist. No odor.	EF-B33_22.0
23		0						
24			moist		SP-SM		No Recovery	
25								
26							End of boring at 25 ft.	
27								
28								
29								
30								
31								
32								
33								
34								
35								

Comments: 10% COPR identified 0.0-1.5 ft bgs, 15% COPR identified at 1.5-3.5 ft bgs.



30 Knightsbridge Road, Piscataway, NJ 08854
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Boring ID: EF-34

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610641.93
Date Started Drilling: 4/22/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683188.936
Date Finished Drilling: 4/25/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5/20.5 ft
Physical Location: Garfield Avenue, in front of Talarico Auto.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	1	Fill		Concrete	EF-B34_0.5
2		0	moist	3			Strong Brown (7.5YR 4/6) Clayey SILT, some Gravel and Fill Material (slag, coal), loose to stiff, moist. No odor.	EF-B34_2.0
3		0						EF-B34_2.5
4		0						
5	2.8	0	wet	3	Fill		Brown (7.5 YR 4/4) SILT and medium SAND, little coarse sand and fill material (slag), little mottling, soft. No odor.	EF-B34_4.0
6		0						EF-B34_6.0
7		0						EF-B34_7.5
8			wet	3			Dark Grayish Brown (10YR 4/2) SILT, little very fine Sand, soft, wet. No odor.	
9	4.3		wet		Fill		No Recovery	
10		0						EF-B34_10.0
11		0	wet	3			Same as above, soft to medium stiff.	EF-B34_10.0X
12		0						
13		0						EF-B34_12.5
14	4.2		moist	3	Fill		Same as above, some crushed Sandstone, moist	
15		0	moist				No Recovery	EF-B34_15.0
16		0	wet	3			Olive Gray (5Y 5/2) SILT, soft, wet. No odor.	EF-B34_16.5
17		0						
18	4.2	0	moist	10	SP-SM		Reddish Brown (2.5YR 4/4) SILT and medium SAND (SP-SM), some subangular Gravel, slight mottling, very dense, moist. No odor.	
19								
20		0	moist					
21		0	moist	10			Same as above.	
22	4.2	0	wet	10	SW		Reddish Brown (2.5YR 4/4) fine to coarse SAND (SW), well graded, trace Silt, loose, wet. No odor.	
23		0						EF-B34_22.5
24		0						
25			moist	11			Reddish Brown (2.5YR 4/4) SILT and fine angular Gravel (GM), very dense, moist. No odor.	
26			moist		GM		No Recovery	
27							End of boring at 25 ft.	
28								
29								
30								
31								
32								
33								
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Comments: No COPR/GGM identified at this location.

PPG - GINT STD US LAB.GDT - 11/3/11 14:35 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L

PPG - GINT STD US LAB.GDT - 11/3/11 14:35 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L



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Boring ID: EF-35

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610667.276
Date Started Drilling: 4/21/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683255.627
Date Finished Drilling: 4/22/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5 ft
Physical Location: SE corner of Garfield Avenue and Carteret Avenue		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	1			Concrete	EF-B35_0.5
2		0	moist	3	Fill		Brown (7.5YR 4/3) Clayey SILT, some fine to coarse Sand, trace Fill Material (gravel, glass), soft, moist. No odor.	EF-B35_2.0
3		0						EF-B35_2.5
4		0						EF-B35_4.0
5								
6					Fill		No Recovery	
7	0							
8								
9								
10		0						EF-B35_10.0
11		0	wet	9	ML		Dark Yellowish Brown (10YR 4/4) SILT, graded to very fine Sand at 12-13', trace Gravel, soft, wet. No odor.	
12		0						EF-B35_12.0
13	5	0						EF-B35_13.0
14		0	moist	10	SP-SM		Reddish Brown (5YR 4/4) fine SAND, little medium angular Gravel and Silt, trace medium Sand, dense, moist. No odor.	
15		0						
16		0	wet	10	SP-SM		Reddish Brown (5YR 4/3) very fine to fine SAND, little Silt, loose, wet. No odor.	EF-B35_16.0
17			moist	10	SP-SM		Reddish Brown (5YR 4/4) SILT and fine SAND, little subangular Gravel, dense, moist. No odor.	
18	1.5						No Recovery	
19								
20		0						EF-B35_20.0
21			moist	10	SP-SM		Same as above, liner split in core barrel - lost most of sample.	
22			moist		SP-SM		No Recovery	
23	0.5							
24								
25								
26							End of boring at 25 ft.	
27								
28								
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Comments: No COPR/GGM identified at this location.

Comments: No COPR/GGM identified at this location.

PPG - GINT STD US LAB.GDT - 11/3/11 14:35 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT\PPG-NJC\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L



30 Knightsbridge Road, Piscataway, NJ 08854
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Boring ID: EF-37

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610679.529
Date Started Drilling: 4/22/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683445.78
Date Finished Drilling: 4/25/2011	Core Size: 2 in	Boring Total Depth: 16.5 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5 ft
Physical Location: South side of French Park, in gated area		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	3.8	0	dry	2	Fill		Black Asphalt	EF-B37_0.5
2		0	moist	3	Fill		Brown (7.5YR 4/3) fine to coarse SAND, some fine to coarse Gravel and Fill Material (slag, coal, glass, brick), little Silt, loose to medium dense. No odor.	EF-B37_2.0
3		0						EF-B37_2.5
4		0						EF-B37_4.0
5		0	moist	3	Fill		Yellowish Brown (10YR 5/4) fine SAND and SILT, trace Fill Material (slag, ash, cinders), loose. No odor.	
6	3.8	0	wet	3	Fill		Same as above.	EF-B37_6.0
7		0	wet	10	SP-SM		Reddish Brown (2.5YR 4/4) SILT, some medium to coarse Sand, little fine to medium Mudstone fragments, very loose to medium dense. No odor.	EF-B37_7.5
8		0						
9		0	wet	10	SP-SM		No Recovery	
10	1.8	0	moist	10	SP-SM		Reddish Brown (2.5YR 4/4) SILT and fine SAND, some fine to medium Rock fragments (Mudstone, Quartzite), medium dense. No odor.	EF-B37_11.0
11		0	moist	10	SP-SM		No Recovery	
12		0						
13		0						
14	0.2	0	moist	13	GM		Black DIABASE and Red MUDSTONE fragments (weathered), little Silt, very dense.	
15		0	moist	13	GM		No Recovery	
16							Refusal at 16.5 ft.	
17								
18								
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Comments: No COPR/GGM identified at this location.

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Boring ID: EF-38

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610761.209
Date Started Drilling: 4/22/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683529.983
Date Finished Drilling: 4/22/2011	Core Size: 2 in	Boring Total Depth: 3.8 ft
Logged By: B. Daniels	Project Manager: Robert Cataldo	Depth to Water: N/A ft
Physical Location: Garfield Avenue, near OSB-5		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	OL		Black Topsoil, some Organics, dry, loose. No odor.	EF-B38_0.5
2		0	dry	3	Fill		Dark Brown (7.5YR 3/2) fine to medium SAND, some fine to medium Gravel and Fill Material (coal, slag, brick, glass), trace Silt, medium dense. No odor.	EF-B38_2.0
3		0	moist	3	Fill		Very Dark Grayish Brown (10YR 3/2) SILT and CLAY, little medium to coarse Gravel and Fill Material (slag, brick, debris), medium stiff. Slight organic odor.	EF-B38_2.5
4							Refusal at 3.8 ft.	
5								
6								
7								
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Comments: No COPR/GGM identified at this location.

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Boring ID: EF-38A

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610761.701
Date Started Drilling: 4/25/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683534.172
Date Finished Drilling: 4/26/2011	Core Size: 2 in	Boring Total Depth: 23 ft
Logged By: E. Acs, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 4.6 ft
Physical Location: Garfield Avenue, near OSB-5		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0		1	Fill		Concrete Sidewalk	EF-B38A_0.5
2		0	dry	6	Fill		Black to Very Dark Gray (10YR 3/1) fine to medium SAND, some fine to medium Gravel, Ash and Cinders, loose. No odor. Reddish Brown (5YR 4/4) fine to medium SILTY SAND, little Clay, loose. No odor.	EF-B38A_2.0
3		0	dry	3	Fill			EF-B38A_2.5
4		0						EF-B38A_4.0
5		0	moist	3	Fill		Gray to Dark Gray Brown (10YR 3/3) SILT, trace fine Sand and Clay, soft. No odor. Brown (7.5YR 5/3) SILT, trace fine to coarse Sand, very soft. No odor.	
6		0	wet	3	Fill			EF-B38_6.0
7	3.2	0					Reddish Brown (2.5YR 4/4) fine to medium SAND and Silt, little fine sub-round Gravel, soft to medium dense. No Recovery	EF-B38_7.5
8			wet	10	SP-SM			
9			wet	10	SP-SM			
10		0						
11		0	wet	10	SP-SM		Same as above, little fine to medium sub-round Gravel.	EF-B38_11.0
12	2						No Recovery	
13			wet	10	SP-SM			
14								
15		0						
16		0	moist	10	SP-SM		Same as above, little fine to medium sub-round Gravel.	EF-B38_16.0
17	1.4						No Recovery	
18			moist	10	SP-SM			
19								
20		0						
21	2	0	moist	10	SP-SM		Same as above, little fine to medium sub-round Gravel.	EF-B38_21.0
22			wet	10	SP-SM		Reddish Brown (2.5YR 4/4) fine SAND, some Silt, trace fine angular Gravel at 21.9 ft, loose to medium dense. No odor.	
23			wet	10	SP-SM		No Recovery	
24							Refusal at 23 ft.	
25								
26								
27								
28								
29								
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Comments: No COPR/GGM identified at this location.

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Boring ID: EF-39

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610822.756
Date Started Drilling: 4/25/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683631.856
Date Finished Drilling: 4/26/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: E. Acs, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 4.4 ft
Physical Location: Garfield Avenue, near center of French Park Building		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	OL		Topsoil and Grass	EF-B39_0.5
2		0	dry to moist	6	Fill		Black to Very Dark Gray (10YR 3/3) fine to medium SAND, little fine to coarse Gravel, Ash and Cinders, little Silt, loose. No odor.	EF-B39_2.0
3		0	moist	3	Fill		Reddish Brown (5YR 4/4) fine to medium SILTY SAND, trace Clay, loose. No odor.	EF-B39_2.5
4		0						EF-B39_4.0
5		0	moist wet	3	Fill		Very Dark Gray (10YR 3/1) SILT, little Clay, trace fine to medium Sand and Gravel, organics, medium stiff.	
6		0					Brown (7.5YR 4/3) SILT, some fine Sand, trace medium angular Gravel and Clay, slight Black staining, very soft.	EF-B39_6.0
7	2		moist	10	SP-SM		Reddish Brown (2.5YR 4/4) SILT and medium SAND, some fine to medium angular Gravel, trace Clay, dense. No odor.	
8			moist	10	SP-SM		No Recovery	
9								
10								
11		0						EF-B39_11.0
12	2	0	moist	10	SP-SM		Reddish Brown (2.5YR 4/4) and Weak Red (10R 4/4) coarse SAND and SILT, some fine to medium Gravel and Mudstone fragments, dense. No odor.	
13								
14			moist	10	SP-SM		No Recovery	
15								
16		0						
17	2	0	moist	10	SP-SM		Reddish Brown (2.5YR 4/4) fine SAND and SILT, little fine angular Gravel, medium dense. No odor.	EF-B39_17.0X
18								EF-B39_17.0
19			moist	10	SP-SM		No Recovery	
20		0						EF-B39_20.0
21	1		moist	10	SP-SM		Same as above, little medium angular Gravel. Liner in core barrel shattered, only 1 ft of recovery left for sample.	
22			moist	10	SP-SM		No Recovery	
23								
24								
25								
26							End of boring at 25 ft.	
27								
28								
29								
30								
31								
32								
33								
34								
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Comments: No COPR/GGM identified at this location.

PPG - GINT STD US LAB.GDT - 11/3/11 14:35 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT\PPG-NJC\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L



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Boring ID: EF-40

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610859.097
Date Started Drilling: 4/25/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683692.277
Date Finished Drilling: 4/26/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: E. Acs, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 4.6/20 ft
Physical Location: Garfield Avenue, near north end of French Park Building		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	OL		Topsoil and Grass	EF-B40_0.5
2		0	dry	3	Fill		Black to Very Dark Gray (10YR 3/3) fine to medium SAND, little fine to coarse Gravel, Ash and Cinders, little Silt, loose. No odor.	EF-B40_2.0
3		0	dry	3	Fill		Reddish Brown (5YR 4/4) fine to medium SILTY SAND, trace fine to coarse Gravel, loose. No odor.	EF-B40_2.5
4		0	moist	3	Fill		Very Dark Gray (10YR 3/1) SILT, little Clay, trace fine to medium Sand and Gravel, organics, medium stiff.	EF-B40_4.0
5		0	wet	3	Fill		Same as above.	
6		0						EF-B40_6.0
7		0						
8	3.6	0	moist	3	Fill		Dark Grayish Brown (10YR 4/2) SILT, interbedded with Yellowish Brown (10YR 5/6) fine Sand, medium dense. No odor.	EF-B40_7.5
9			moist	10	SP-SM		Reddish Brown (2.5YR 4/4) fine SAND and SILT, little fine angular Gravel, medium dense. No odor.	
10		0	moist	10	SP-SM		No Recovery	
11		0	moist	10	SP-SM		Same as above, fine to coarse SAND.	EF-B40_11.0
12								
13	2		moist	10	SP-SM		No Recovery	
14								
15		0						EF-B40_15.0
16			moist	10	SP-SM		Same as above, fine to coarse SAND.	
17			moist	10	SP-SM		No Recovery	
18	0.3							
19								
20		0						
21		0	wet	10	SP-SM		Reddish Brown (2.5YR 4/4) SILT and medium SAND, some fine to medium angular Gravel and coarse Sand, dense. No odor.	
22	2.5	0	wet	10	SP-SM		Core liner shattered in Core Barrel.	
23							No Recovery	
24								
25								
26						End of boring at 25 ft.		
27								
28								
29								
30								
31								
32								
33								
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35								

Comments: No COPR/GGM identified at this location.



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Boring ID: EF-41

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610927.99
Date Started Drilling: 4/26/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683804.273
Date Finished Drilling: 4/29/2011	Core Size: 2 in	Boring Total Depth: 22 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 3.3 ft
Physical Location: Garfield Avenue, near French Park Parking Lot		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2	Fill		Black Asphalt	EF-B41_0.5
2		0	dry	3	Fill		Brown (7.5YR 4/3) fine to medium SAND, little Silt and fine to medium angular Gravel, little Fill Material (ash, cinders, slag), loose. No odor.	EF-B41_2.0
3		0	moist	3	Fill		Black (7.5YR 2.5/1) fine SANDY SILT, trace fine angular Gravel and Fill Material (debris), soft. Organic odor.	EF-B41_2.5X
4		0	moist	3	Fill		Brown (7.5YR 4/3) CLAYEY SILT, trace fine to coarse angular Gravel, medium stiff. No odor.	EF-B41_4.0
5		0	wet	3	Fill		Strong Brown (7.5YR 5/6) SILT and very fine SAND, soft. No odor.	
6		0						
7	2.7	0	wet	10	SP		Reddish Brown (5YR 4/4) very fine and fine SAND, trace Silt, loose. No odor.	EF-B41_7.0
8			wet	10	SP		No Recovery	
9								
10		0						
11		0	moist	10	SP-SM		Weak Red (10YR 4/4) fine SAND and fine sub-round GRAVEL, little Silt, medium dense. No odor.	
12		0	moist to wet	10	SP-SM		Black to Strong Brown (7.5YR 5/6) to Reddish Brown (5YR 4/4) SILT graded to fine Sand, trace Shells, medium firm to loose. No odor.	EF-B41_12.5
13	5	0						
14		0						
15		0	moist	10	ML		Reddish Brown (5YR 4/4) SILT, some fine sub-angular Gravel, dense. No odor.	
16		0	wet	10	ML		Strong Brown to Reddish Brown SILT, some fine to medium Sand, trace fine angular Gravel, loose. No odor.	
17		0						
18	3.8		moist	11	GP-GM		Reddish Brown (2.5YR 4/4) fine to medium SAND and GRAVEL, angular, some Silt, dense. No odor.	EF-B41_17.5
19			moist	11	GP-GM		No Recovery	
20		0						EF-B41_20.0
21	0.5		moist	11	GP-GM		Same as above.	
22			moist	11	GP-GM		No Recovery	
23							Refusal at 22 ft.	
24								
25								
26								
27								
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Comments: No COPR/GGM identified at this location.

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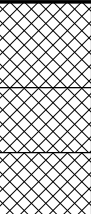
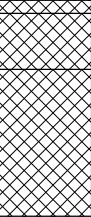
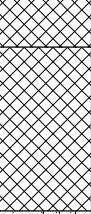

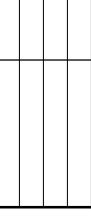
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Boring ID: EF-42

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611001.931
Date Started Drilling: 4/26/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683907.586
Date Finished Drilling: 4/29/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 3.5 ft
Physical Location: Garfield Avenue, near Light Rail		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		Brown (7.5YR 4/2) fine to coarse angular GRAVEL and fine to medium SAND, trace Fill Material (brick) and organics, loose. No odor.	EF-B42_0.5
2		0						EF-B42_2.0
3		0	moist	3	Fill		Very Dark Brown (7.5YR 2.5/2) CLAY and SILT, trace fine to coarse angular Gravel and Fill Material (brick), medium stiff. No odor. Same as above.	EF-B42_2.5
4		0	wet	3	Fill			EF-B42_4.0
5		0						
6	1.6	0	wet moist	3 3	Fill Fill		Dark Brown (7.5YR 3/4) fine to medium angular GRAVEL, trace Silt, loose. No odor. Dark Grayish Brown (10YR 4/2) SILT, grading to very fine Sand and Silt, trace Shells, soft. No odor.	EF-B42_6.0
7		0	moist	3	Fill		No Recovery	
8								
9								
10		0						
11	1.2	0	moist to wet	3	Fill		Dark Gray (10YR 4/1) SILT, some interbedded medium Sand and fine angular Gravel, soft. No odor.	EF-B42_10.5
12			wet wet	3	Fill		No Recovery	
13								
14								
15		0						
16	1.8	0	moist	10	SP-SM		Reddish Brown (2.5YR 4/4) fine SAND, little Silt, trace fine angular Gravel, dense. No odor.	EF-B42_16.0
17							No Recovery	
18			moist	10	SP-SM			
19								
20		0						
21	1.6	0	moist	10	ML		Reddish Brown (2.5YR 4/4) SILT, some very fine Sand, little medium angular Gravel, dense. No odor.	EF-B42_21.0
22							No Recovery	
23			moist	10	ML			
24								
25								
26						End of boring at 25 ft.		
27								
28								
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Comments: No COPR/GGM identified at this location.

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Boring ID: EF-44

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611632.083
Date Started Drilling: 5/2/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683169.702
Date Finished Drilling: 5/2/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: E. Acs	Project Manager: Robert Cataldo	Depth to Water: 0.8 ft
Physical Location: Just inside Site 114 fenceline, near MW-5S/D		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	1.6	0	dry	4B	Fill		Dark Brown (10YR 3/3) fine to medium SAND, some Silt, little-trace fine to coarse Gravel (70% COPR), medium dense. No odor.	EF-B44_0.5
2		0.6	wet	4B	Fill		Dark Brown (10YR 3/3) fine SAND, some fine to coarse Gravel (60% COPR), medium dense. No odor.	EF-B44_1.5X
3			wet	4B	Fill		No Recovery	EF-B44_1.5
4								
5		68						EF-B44_5.0
6	1.6	40	wet	4B	Fill		Same as above, 60% COPR	EF-B44_6.0X
7			wet	4B	Fill		Black (10YR 2/1) fine to coarse SAND, little Silt (15% COPR), medium dense, sheen. Coal tar odor and staining.	EF-B44_6.0
8			wet	4B	Fill		No Recovery	
9								
10		68						
11	1		wet	4B	Fill		Very Dark Gray (10YR 3/1) fine to coarse GRAVEL, little fine to coarse Sand and Silt (15% COPR), dense, sheen. Coal tar odor and staining.	EF-B44_10.5
12			wet	4B	Fill		No Recovery	
13								
14								
15		62.5						
16	1.4	65.1	moist	7	PT		Very Dark Grayish Brown (10YR 3/2) fine SILTY SAND interbedded with PEAT, medium stiff. Coal tar odor.	EF-B44_16.0
17			wet	10	SP-SM		Reddish Brown (2.5YR 4/3) fine SAND, little Silt, medium dense. Coal tar odor.	
18			wet	10	SP-SM		No Recovery	
19								
20		70.2						
21	2	40.6	wet	10	SP		Reddish Brown (2.5YR 4/3) fine SAND, trace Silt, medium dense. Coal tar odor.	EF-B44_21.0
22								
23			wet	10	SP		No Recovery	
24								
25							End of boring at 25 ft.	
26								
27								
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Comments: COPR found from 0-11 ft

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Boring ID: EF-45

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610816.912
Date Started Drilling: 4/29/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683499.942
Date Finished Drilling: 4/29/2011	Core Size: 2 in	Boring Total Depth: 3 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 1.0 ft
Physical Location: On Site 114, near MW-1		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	2	0	dry	3	Fill		Dark Gray Brown (10YR 4/2) SILT, mottled, medium dense. No odor.	EF-B45_1.5
2		0	wet	6	Fill		Black CINDERS and ASH, some Silt, little fine Sand, loose. No odor.	
3			wet	6	Fill		No Recovery	
4							End of boring at 3 ft.	
5								
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Comments: No COPR/GGM identified at this location.

Additional RI Program Borings

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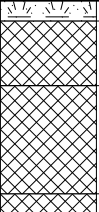
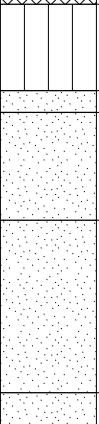

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Boring ID: EF-47

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611982.141
Date Started Drilling: 5/25/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683470.892
Date Finished Drilling: 5/26/2011	Core Size: 2 in	Boring Total Depth: 15 ft
Logged By: E. Acs, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 4.5/7 ft
Physical Location: Halladay Street, North of Forrest Street		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	2.5	0	dry	3	OL		TOPSOIL and Very Dark Gray (2.5YR 3/1) fine to medium SAND, some Silt, trace fine Gravel, trace roots/organics, loose. No odor.	EF-B47_2.5
2		0	dry	3	Fill		Very Dark Gray (2.5YR 3/1) fine to medium SAND, little Silt, trace fine to medium angular Gravel, trace Glass, loose. No odor.	
3		0	dry	3	Fill		Very Dark Grayish Brown (2.5Y 3/2) SILT, trace Clay and fine Sand, soft. No odor.	
4		0					Brown (10YR 4/3) SILT, some fine Sand, trace Clay, soft. No odor.	
5		0	wet	3	Fill		Reddish Brown (5YR 4/3) SILT to Clayey Silt, trace medium angular Gravel, medium dense to soft. No odor.	
6	4	0	moist	9	ML		Reddish Brown (5YR 4/3) fine SAND, trace Silt, loose. No odor. No Recovery	EF-B47 11.0
7		0					Same as above, graded fine to very fine SAND.	
8			wet	10	SP		No Recovery	
9			wet	10	SP			
10		0						
11		1.4	wet	10	SP		End of boring at 15 ft.	
12		0						
13		0						
14								
15			wet	10	SP			
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Comments: No COPR/GGM identified at this location.

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Boring ID: EF-48

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611976.616
Date Started Drilling: 5/25/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683321.839
Date Finished Drilling: 5/25/2011	Core Size: 2 in	Boring Total Depth: 15 ft
Logged By: E. Acs, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 6.2 ft
Physical Location: Forrest Street, between Halladay and Pacific Avenue		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2	Fill		Black Asphalt	
2		0	dry	3	Fill		Very Dark Gray (10YR 3/1) fine to medium SAND, little Fill Material (ash, cinders, slag, glass), loose. No odor.	
3		0	dry	3	Fill		Very Dark Gray (2.5YR 3/1) SILT, trace fine Sand and Clay, trace fine to coarse Gravel, soft. No odor.	EF-B48_2.5
4		0	dry	3	Fill		Dark Gray (2.5YR 4/1) SILT, trace Clay, soft. No odor.	
5		0	moist	3	Fill		Brown (10YR 4/3) SILT, some fine Sand, trace Clay, soft. No odor.	
6		0	moist	9	ML		Olive Brown (2.5YR 5/3) and Yellowish Brown (10YR 5/4) mottled SILT, medium dense. No odor.	
7		0	moist to wet	10	SP-SM		Reddish Brown (5YR 4/4) very fine SAND, little Silt, trace medium angular Gravel (light greenish gray rock fragments), medium dense. No odor.	
8	4.3	0	wet	10	ML		Reddish Brown (5YR 4/4) SILT, little Clay and very fine Sand, trace fine rounded Gravel, soft. No odor.	
9								
10		0	wet	10	ML		No Recovery	
11		0	wet	10	ML		Same as above.	
12		0	moist	10	SP-SM		Reddish Brown (5YR 4/4) very fine SAND, some medium angular Gravel, little Silt, dense. No odor.	EF-B48_11.0
13	3							
14			moist	10	SP-SM		No Recovery	
15								
16							End of boring at 15 ft.	
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Comments: No COPR/GGM identified at this location.

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Boring ID: EF-49

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611399.447
Date Started Drilling: 5/24/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682675.465
Date Finished Drilling: 5/25/2011	Core Size: 2 in	Boring Total Depth: 15 ft
Logged By: E. Acs, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 3.5 ft
Physical Location: Carteret Avenue, near Site 135		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2	Fill		Black Asphalt	EF-B49_0.5
2		0	dry	4B	Fill		Black (10YR 2/1) fine to coarse SAND (40-25% COPR), some-little fine to medium Gravel, trace Fill Material (ash, cinders, glass, brick), loose. No odor.	
3		0	dry	6	Fill		Black TAR, sheet layer in boring.	
4		0	moist	4B	Fill		Black (10YR 2/1) fine to coarse SAND (25% COPR), some fine to medium Gravel, little Fill Material (ash, cinders, glass, brick), medium dense. No odor.	
5		0	wet	6	Fill		Black (10YR 2/1) to Dark Gray (10YR 4/1) ASH, CINDERS, and Silt, trace fine Sand and Fill Material (brick, coal, wood, clinker, glass), medium dense. No odor.	
6	2	0	wet	3	Fill		Black-stained fine to medium SAND and GRAVEL, little Silt, loose. No odor.	
7			moist	3	Fill		Black-stained fine to medium SAND and GRAVEL, little Silt, loose. No odor.	
8			moist	3	Fill		Black-stained SILT, little Clay, trace medium Sand, semi-cohesive, medium stiff. No odor.	
9							No Recovery	
10		1.9						
11	5	0	wet	6	Fill		Black-stained CINDERS and SILT, interbedded, loose. No odor.	EF-B49 11.0
12		0						EF-B49 12.0
13		0	moist	3	Fill		Black-stained SILT, little Clay, trace organics, soft. No odor.	
14		0	moist	3	Fill		Brown (7.5YR 4/3) very fine SAND, some-little Silt, trace coarse Sand and medium rounded Gravel, medium stiff. No odor.	
15								
16							End of boring at 15 ft.	
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Comments: COPR identified from 0.4-3.5 ft bgs. No native material encountered.

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Boring ID: EF-50

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611406.291
Date Started Drilling: 5/25/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682612.264
Date Finished Drilling: 5/25/2011	Core Size: 2 in	Boring Total Depth: 15 ft
Logged By: E. Acs, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 3.5 ft
Physical Location: Pacific Street in Loading Dock at Auto Sport Building		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2	Fill		Black Asphalt	EF-B50_1.5
2		0	dry	3	Fill		Very Dark Grayish Brown (10YR 3/2) fine to medium SAND, some fine to coarse angular Gravel (asphalt ballast), loose to medium dense. No odor.	
3		0	moist	6	Fill		Brown (10YR 4/3) to Black (10YR 2/1) fine to medium SAND, some-little Ash and Cinders, trace Fill Material (coal, wood, brick, ceramics), loose. No odor.	
4		0	wet	3	Fill		Black (10YR 2/1) fine to coarse angular GRAVEL, trace fine to medium Sand, loose. No odor.	
5		0						
6	0.5		wet	6	Fill		Very Dark Gray (2.5Y 3/2) fine crushed CINDERS and ASH, loose. No odor.	
7			wet	6	Fill		No Recovery	
8								
9								
10	2.6	0						EF-B50 11.0 EF-B50 12.0X EF-B50_12.0
11		98.2	wet	6	Fill		Same as above.	
12			moist	3	Fill		Dark Grayish Brown (10YR 4/2) to Black-stained SILT, little very fine Sand, trace organics, medium dense. Napthalene odor.	
13			moist	7	PT		Dark Yellowish Brown (10YR 3/4) PEAT, organics, trace Silty Clay, semi-cohesive, medium stiff. Sulfur odor.	
14			moist	7	PT		No Recovery	
15								
16							End of boring at 15 ft.	
17								
18								
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Comments: No COPR/GGM identified at this location.

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Boring ID: EF-52

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610679.262
Date Started Drilling: 5/24/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682760.008
Date Finished Drilling: 5/24/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: E. Acs, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 4.0 ft
Physical Location: Site 132		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		TOPSOIL and Brown (10YR 4/3) fine SILTY SAND, some Ash and Cinders, trace fine to medium Gravel, roots, organics, loose. No odor.	
2		0	dry	6	Fill		Dark Yellowish Brown (10YR 4/4) to Reddish Brown (5YR 4/4) ASH and CINDERS, some fine Sand, little fine to coarse angular Gravel, trace Silt and Fill Material (coal, glass, wood), medium dense to loose. No odor.	EF-B52_2.0
3		0						EF-B52_2.5
4		0						
5		0	wet	6	Fill		Dark Gray (7.5YR 4/1) ASH and CINDERS, trace wood and glass, medium dense. No odor.	EF-B52_5.0
6			wet	6	Fill		Black-stained fine CINDERS, some Ash, little rounded fine Gravel, loose. No odor.	
7	0.5		wet	6	Fill		No Recovery	
8								
9								
10		0						
11			wet	6	Fill		Gray (2.5Y 5/1) fine-crushed FILL Material (ceramics, coal), little coarse-crushed Fill (ceramics), trace Ash, loose. No odor.	EF-B52_10.5
12			wet	6	Fill		No Recovery	
13	1							
14								
15		0						
16			wet	6	Fill		Same as above.	EF-B52_16.0
17			moist	7	PT		Very Dark Grayish Brown (2.5Y 3/2) PEAT, some Reedy Organics, trace Silt, soft. No odor.	
18	1.3		moist	7	PT		No Recovery	
19								
20		0						
21			moist	8	SP-SM		Gray (Gley1 5/0) fine SAND and SILT, trace medium angular Gravel, dense. No odor.	EF-B52_21.0
22			moist	10	SP-SM		Reddish Brown (5YR 4/3) fine SAND, some Silt, trace angular Gravel, dense. No dor.	EF-B52_21.0X
23	1.3		moist	10	SP-SM		No Recovery	
24								
25								
26							End of boring at 25 ft.	
27								
28								
29								
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Comments: No COPR/GGM identified at this location.

PPG - GINT STD US LAB.GDT - 11/3/11 14:35 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT\PPG-NJC\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L



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Boring ID: EF-53

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610549.489
Date Started Drilling: 5/24/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682826.96
Date Finished Drilling: 5/24/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: E. Acs, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 4.0 ft
Physical Location: Near 132-MW-2A on Site 132		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	0	0	dry	3	Fill		TOPSOIL and Brown (10YR 4/3) fine SILTY SAND, some Ash and Cinders, trace fine to medium Gravel, roots, organics, loose. No odor.	
2		0	dry	6	Fill		Dark Grayish Brown (10YR 4/2) ASH and CINDERS, loose. No odor.	EF-B53_2.0
3		0	moist	3	Fill		Dark Yellowish Brown (10YR 4/4) SILT, little fine Sand, mottled, soft. No odor.	EF-B53_2.5
4		0					Reddish Brown (5YR 4/4) SILT, some fine Sand, trace Fill Material (coal, concrete, gravel), soft. No odor.	
5		0	wet	6	Fill		Dark Gray (7.5YR 4/1) ASH and CINDERS, interbedded with some Red Brown Silt and very fine Sand, trace fine Gravel, medium dense to loose. No odor.	EF-B53_5.0
6	0.5		wet	6	Fill		No Recovery	
7								
8								
9								
10								
11	0		wet	6	Fill		10-15 interval: No Recovery	
12								
13								
14								
15		0						
16	1.9	0	wet	6	Fill		Black fine-crushed FILL Material (ceramics, cinders, coal, gravel), trace Ash and Silt, loose. No odor.	EF-B53_16.5
17			wet to moist	10	SP-SM		Reddish Brown (5YR 4/3) and (2.5YR 4/3) very fine SILTY SAND, some fine to coarse angular Gravel, trace coarse Sand, very dense. No odor.	
18			moist	10	SP-SM		No Recovery	
19								
20		0						
21	2.3	0	moist	10	SP-SM		Same as above.	EF-B53_21.5
22		0						
23			moist	10	SP-SM		No Recovery	
24								
25								
26							End of boring at 25 ft.	
27								
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Comments: No COPR/GGM identified at this location.

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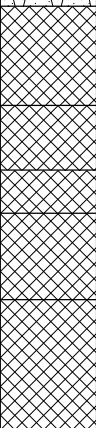
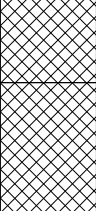
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Boring ID: EF-54

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610600.423
Date Started Drilling: 5/23/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683005.287
Date Finished Drilling: 5/23/2011	Core Size: 2 in	Boring Total Depth: 10 ft
Logged By: E. Acs, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 4.0 ft
Physical Location: On Site 132, near Garfield Avenue		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	2	0	dry	3	Fill		TOPSOIL and Dark Gray (2.5Y 4/1) fine SILTY SAND, some organics and roots, loose. No odor.	
2		0	dry	3	Fill		Reddish Brown (2.5YR 4/4) SILT, trace fine Sand, soft. No odor.	
3		0	moist	3	Fill		Reddish Brown (2.5YR 4/4) SILT, little Clay and fine to coarse angular Gravel, trace Rock fragments and Cobbles, soft. No odor.	EF-B54_2.5
4		0	moist	3	Fill		Dark Grayish Brown (10YR 4/2) SILT, some Clay, trace fine to coarse Rock fragments and Cobbles, soft. No odor.	
5		0	wet	3	Fill		Dark Gray (2.5YR 4/1) SILT, little fine Sand, trace Ash and Coal fragments, soft. No odor.	
6	2	0	wet	3	Fill		Dark Gray (2.5YR 4/1) SILT, little fine Sand, trace Ash and Coal fragments, soft. No odor.	EF-B54 6.0
7								
8			wet	3	Fill		No Recovery	
9								
10								
11							End of boring at 10 ft.	
12								
13								
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Comments: No COPR/GGM identified at this location.

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Boring ID: EF-56

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610978.338
Date Started Drilling: 5/23/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682980.614
Date Finished Drilling: 5/23/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 3/20.5 ft
Physical Location: Driveway of Site 132		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	moist	2	Fill		ASPHALT (4 in) and Brown (7.5YR 4/3) SILT and coarse Sand, some medium angular Gravel and Slag, loose. No odor.	
2		0	moist	4B	Fill		Dark Brown (7.5YR 3/2) SILT, some Brick, little fine and coarse Sand (25% COPR), trace Fill Material (ceramics, wood, ash), loose. No odor.	EF-B56_2.5
3		0						
4		0	wet	4B	Fill		Dark Brown (7.5YR 3/2) to Dark Reddish Brown (2.5YR 3/4) SILT and medium to coarse SAND (75% COPR), little fine rounded Gravel, trace Lime Green staining, loose. No odor.	
5		0						
6		0						
7	2.9	0						
8			moist	3	Fill		Light Reddish Brown (2.5YR 7/3) to Very Dark Gray (7.5YR 3/1) SILT, some medium Sand, soft. No odor.	EF-B56_7.5
9			moist	3	Fill		No Recovery	
10		0						
11		0	wet	5	Fill		Greenish Gray (Gley 6/1) and Lime Green-stained SILT (100% GGM), trace calcifications, chalky texture, soft. Chemical odor.	
12		0						EF-B56_12.0
13	3.7	0						
14			moist	14	Canal Bottom		Black-stained CLAY (Canal Bottom), little-trace Silt, trace organics, cohesive, soft to medium stiff. Coal tar odor.	
15			moist	7	PT		Dark Brown (7.5YR 3/2) PEAT, Organics, little Silty Clay, semi-cohesive. No odor.	
16			moist	7	PT		No Recovery	
17							15-20 interval: No Recovery - Sleeve filled with fall-in	
18	0							
19								
20		0						
21		0	moist	9	OH		Dark Gray (5Y 4/1) CLAY, some Silt, trace organics, medium stiff. No odor.	EF-B56_21.0
22	2		wet	10	SP-SM		Weak Red (10YR 4/3) fine to medium SAND, little Silt, trace coarse Sand, loose. No odor.	
23				10	SP-SM		No Recovery	
24								
25								
26							End of boring at 25 ft.	
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Comments: COPR identified from 0.8-6.7 ft bgs. GGM identified from 10.0-12.6 ft bgs.

Comments: COPR identified from 0.75-1.0 ft bgs (5%).

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Boring ID: EF-58

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife	Coordinates (NJSPNAD83) x: 611828.894
Date Started Drilling: 6/7/2011	Rig Type: Airknife	Coordinates (NJSPNAD83) y: 683276.103
Date Finished Drilling: 6/7/2011	Core Size: 2 in	Boring Total Depth: 3 ft
Logged By: B. Daniels	Project Manager: Robert Cataldo	Depth to Water: N/A ft
Physical Location: Halladay Street, near EF-09.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2	Fill		Black Asphalt	
2		0	moist	3	Fill		Dark Brown (7.5YR 3/2) fine to coarse SAND, some fine to medium angular Gravel and Fill Material (brick, glass, debris), loose. No odor.	
3		0	moist	3	Fill		Brown (7.5YR 4/2) fine to medium SAND, some Silt, little Fill Material (brick, coal, debris, f-m gravel), medium dense. No odor.	EF-B58_2.5
4							Reddish Brown (5YR 5/3) SILT, little fine Sand and medium to coarse Gravel, stiff. No odor.	
5							End of boring at 3 ft.	
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Comments: No COPR/GGM identified at this location.

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Boring ID: EF-59

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife	Coordinates (NJSPNAD83) x: 610747.39
Date Started Drilling: 6/7/2011	Rig Type: Airknife	Coordinates (NJSPNAD83) y: 682451.366
Date Finished Drilling: 6/7/2011	Core Size: 2 in	Boring Total Depth: 3 ft
Logged By: B. Daniels	Project Manager: Robert Cataldo	Depth to Water: 2.0 ft
Physical Location: On Site 133, delineating EF-25.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2	Fill		Black Asphalt	
2		0	moist	4A	Fill		Dusky Red (2.5YR 5/2) fine to coarse SAND and fine to coarse rounded Gravel (90% COPR), loose. No odor.	EF-B59_2.0
3			wet	4B	Fill		Reddish Brown (2.5YR 4/4) SILT and fine SAND (50% COPR), some fine to medium rounded Gravel, soft. No odor.	EF-B59_2.5
4							End of boring at 3 ft.	
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Comments: COPR identified from 0.5-3.0 ft bgs.

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Boring ID: EF-60

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610764.752
Date Started Drilling: 6/6/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682524.569
Date Finished Drilling: 6/7/2011	Core Size: 2 in	Boring Total Depth: 20 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 2.8 ft
Physical Location: Site 137, SW corner.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2	Fill		Black Asphalt	
2		0	moist	3	Fill		Brown (10YR 4/3) fine to coarse SAND, some fine to coarse angular Gravel, trace Organics, loose. No odor.	EF-B60_2.0
3		0	moist	3	Fill		Dark Brown (7.5YR 3/2) fine to medium SAND, little Silt, some fine to medium angular Gravel and Fill Material (Brick, glass coal), loose. No odor.	
4		0.8	wet	4A	Fill		Reddish Brown (2.5YR 4/3) fine to coarse Gravelly SAND (COPR 90%), loose. No odor.	
5		339	wet	4A	Fill		Dark Reddish Grey (2.5YR 3/1) fine to coarse SAND (COPR 90%), little Silt, some fine to medium rounded Gravel, loose. Petroleum odor.	
6		730	wet	4A	Fill		Dark Brown (7.5YR 3/2) coarse SAND to fine rounded GRAVEL (COPR 90%), trace Silt, loose. No odor.	EF-B60_7.0
7	5	474	wet	3	Fill		Dark Brown (7.5YR 3/2) SILT, some fine to medium Sand, soft, sheen. Gasoline odor.	
8		440						
9		44.1	wet	3	Fill		Dark Brown (7.5YR 3/2) fine to medium SAND, trace Silt, loose. Slight gasoline odor.	
10		2.8						
11		5.7	wet	5	Fill		Greenish Gray (Gley 16/1) SILT and fine to medium angular GRAVEL (100% GGM), chalky texture, soft to medium dense. Chemical odor.	EF-B60_11.5
12		7.8						
13	3.6	1.2	wet	3	Fill		Dark Brown(7.5YR 3/2) SILT, some medium Sand and Fill Material (ceramics, ash, wood), soft. No odor.	
14			wet	3	Fill		No Recovery	
15		3.8						
16		0	wet	3	Fill		Dark Brown (7.5YR 3/2) fine SAND, little medium Sand, interbedded with some Silt, soft. No odor.	
17		0						
18	3.8	0						EF-B60_17.5
19			moist	7	OL		Dark Brown (7.5YR 3/2) Organic SILT, soft. No odor.	
20			moist	7	OL		No Recovery	
21							End of boring at 20 ft.	
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Comments: 90% COPR identified from 2.8-5.3 ft bgs, GGM identified from 10.0-12.5 ft bgs.

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Boring ID: EF-61

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610999.128
Date Started Drilling: 6/2/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683016.955
Date Finished Drilling: 6/2/2011	Core Size: 2 in	Boring Total Depth: 20 ft
Logged By: A. Salazar, B.Daniels	Project Manager: Robert Cataldo	Depth to Water: 5.0 ft
Physical Location: Driveway of Site 132.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2	Fill		Black Asphalt	
2		0	dry	4B	Fill		Dark Brown (7.5YR 3/3) fine to medium SAND, some subangular to angular Gravel (<5% COPR) and Brick, trace Silt and Fill (slag, glass), loose. No odor.	
3		0.3	moist	3	Fill		Very Dark Brown (10YR 2/2) fine to medium Silty SAND, some Fill (slag, glass, brick, rubber), loose. No odor.	
4		0						
5		0	moist	1	Fill		Concrete - Airknife refusal	EF-B61_4.5
6	3.3		wet	4B	Fill		Dark Reddish Brown (2.5YR 3/3) fine to coarse Gravelly SAND (COPR 80%), little crushed Fill, loose. No odor.	EF-B61_6.0
7								
8			wet	5	Fill		Pale Olive (10YR 6/4) GGM (80%), texture of fine to coarse Sand and little fine to medium angular Gravel, medium dense. Slight metallic odor.	EF-B61_7.5 EF-B61_8.0
9								
10	5	0						EF-B61_10.0
11								
12								EF-B61_12.0 EF-B61_12.5
13			wet	3	Fill		Dark Olive Brown (2.5YR 2.5/1) fine to medium SAND, some Silt, little fine to medium angular Gravel, medium dense. No odor	
14			wet	12	Canal Bottom			EF-B61_14.0
15	3	0	moist	7	PT		Black (5YR/2.5/1) CLAY, stiff. Organic odor. (Canal Bottom) Black PEAT, Organics, little Silty Clay, medium stiff. Sulfur odor.	
16								
17								EF-B61_17.5
18								
19			moist	7	PT		No Recovery	
20								
21							End of boring at 20 ft.	
22								
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Comments: COPR identified from 0.5-1.0 and 5.0-7.5 ft bgs, GGM identified from 7.5-12.5 ft bgs.

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Boring ID: EF-62

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610946.649
Date Started Drilling: 6/1/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683091.412
Date Finished Drilling: 6/1/2011	Core Size: 2 in	Boring Total Depth: 20 ft
Logged By: A. Salazar, B.Daniels	Project Manager: Robert Cataldo	Depth to Water: 5.0 ft
Physical Location: Parking lot of Site 132.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2	Fill		Black Asphalt	EF-B62_0.5
2		0	moist	4B	Fill		Brown (7.5YR 3/4) angular GRAVEL (COPR<5%), some Slag, some medium to fine Sand, trace Silt, loose. No odor.	EF-B62_2.0
3		0	moist	4B	Fill		Reddish Brown SILT and rounded GRAVEL (COPR 85%), trace to some medium to fine Sand, trace Slag. No odor.	EF-B62_2.5
4		0.7	moist	4B	Fill		Dark Brown (7.5YR 2.5/3) rounded COPR Nodules (75-80%), some Black angular Gravel, medium to fine Sand, and Slag, loose. No odor.	EF-B62_4.0
5		0						
6	5		wet	3	Fill		Black (7.5YR 2.5/1) fine to coarse SAND, some fine angular Gravel and crushed Fill, dense. No odor.	EF-B62_6.0
7			wet	5	Fill		Pale Olive (10YR 6/4) fine SAND AND SILT (GGM 80%), little fine angular Gravel, some crushed Fill, dense. No odor.	EF-B62_7.5
8		0						EF-B62_8.0
9								
10								EF-B62_10.0
11	2		wet	5	Fill		Pale Olive (10YR 6/4) SILT graded to CLAY (100% GGM), stiff. No odor.	
12								EF-B62_12.0
13		0	wet	5	Fill		No Recovery	
14								
15								
16	2.6		wet	12	Canal Bottom		Black organic CLAY, very stiff. No odor. (Canal Bottom)	EF-B62_16.0
17			wet	7	PT		Black PEAT, organics, little Silty Clay, medium stiff. Sulfur odor.	EF-B62_17.5
18								
19			wet	7	PT		No Recovery	
20								
21							End of boring at 20 ft.	
22								
23								
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Comments: COPR identified from 0.5-5.0 ft bgs, GGM identified from 6-12 ft bgs.

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Boring ID: EF-63

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610892.894
Date Started Drilling: 6/1/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683122.155
Date Finished Drilling: 6/1/2011	Core Size: 2 in	Boring Total Depth: 20 ft
Logged By: A. Salazar, B.Daniels	Project Manager: Robert Cataldo	Depth to Water: 5.0 ft
Physical Location: Parking lot of Site 132.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2	Fill		Black Asphalt	EF-B63_0.5
2		0	moist	3	Fill		Dark Brown (7.5YR 3/2), Brown (7.5YR 4/3) and Black fine to medium SAND and SILT, some Fill (glass, slag, wood), trace angular fine to medium Gravel, and organics, loose. No odor.	EF-B62_2.0
3		0						EF-B62_2.5
4		0						EF-B62_4.0
5		0						
6			wet	3	Fill		Dark Brown (7.5YR 3/2) very fine SAND AND SILT, little fine to medium angular Gravel, medium dense. No odor.	EF-B62_6.0
7								EF-B62_7.0
8			wet	3	Fill		No Recovery	
9								
10		0						EF-B62_10.0
11			wet	6	Fill		Grey (7.5YR 6/1) ASH AND CINDERS, loose. No odor.	
12								EF-B62_12.0
13			wet	6	Fill		No Recovery	
14								
15		0						
16			wet	6	Fill		Grey (7.5YR 6/1) ASH AND CINDERS, loose. No odor.	EF-B62_16.0
17			wet	7	PT		Dark Reddish Brown (5YR 3/2) PEAT, organics, little Silty Clay, medium stiff. Sulfur odor.	EF-B62_17.5
18								
19			wet	7	PT		No Recovery	
20								
21							End of boring at 20 ft.	
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Comments: No COPR/GGM identified at this location.

PPG - GINT STD US LAB.GDT - 11/3/11 14:35 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT\PPG-NJC\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L



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Boring ID: EF-64

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610816.628
Date Started Drilling: 6/2/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683186.312
Date Finished Drilling: 6/2/2011	Core Size: 2 in	Boring Total Depth: 15 ft
Logged By: A. Salazar, B.Daniels	Project Manager: Robert Cataldo	Depth to Water: 2.5 ft
Physical Location: Site 143, back lot.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2	Fill		Black Asphalt	
2		0	dry	3	Fill		Black (10YR 2/1) fine to medium SAND, some fine to medium angular Gravel, trace Silt and Slag, loose. No odor.	
3		0	wet moist	3	Fill		Black fine to medium Sandy SILT, some fine to medium angular Gravel and Slag, loose. No odor.	EF-B64_2.5
4		0		3	Fill		Brown (7.5YR 4/4) Sandy SILT, some Clay, trace fine angular Gravel, medium, cohesive. No odor.	
5		0						
6	3.5		wet	3	Fill		Brown (7.5YR 4/3) fine to medium SAND and SILT, little fine to medium angular gravel, trace Clay, loose. No odor.	
7								
8								
9			wet	3	Fill		No Recovery	
10	1	0						
11			wet	6	Fill		Black (5YR 2.5/1) ASH AND CINDERS, loose. No odor.	EF-B64_10.5
12			wet	7	PT		Black PEAT, organics, little Silty Clay, medium stiff. Sulfur odor.	
13			wet	7	PT		No Recovery	
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15								
16	End of Boring at 15 ft.							
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Comments: No COPR/GGM identified at this location.

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610804.023
Date Started Drilling: 6/2/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683072.783
Date Finished Drilling: 6/2/2011	Core Size: 2 in	Boring Total Depth: 15 ft
Logged By: A. Salazar, B.Daniels	Project Manager: Robert Cataldo	Depth to Water: 5.0 ft
Physical Location: Site 143, back lot.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry to moist	3	Fill		Yellowish Brown (10YR 5/4) to Black (10YR 4/3) medium to fine SAND, some fine to coarse angular Gravel, trace Silt, Organics and Fill (glass, concrete) loose. No odor.	
2		0						
3		0.3	dry	2	Fill		Black Asphalt - 2 layers with interbedded Black Silty SAND.	EF-B65_2.5X
4		0						EF-B65_2.5
5		0	moist	3	Fill		Black (10YR 4/1) fine to medium SAND, some Fill (slag, wood, glass, wire), trace fine angular Gravel, loose. No odor.	
6	3.5		wet	3	Fill		Very Dark Brown (7.5YR 3.5/2) fine to medium SAND, some Silt, little fine to medium Gravel, medium dense. No odor.	
7			wet	3	Fill		Dark Brown (10YR 3/3) SILT, trace fine to medium angular Gravel, medium stiff. No odor.	
8			wet	6	Fill		Black (5YR 2.5/1) ASH AND CINDERS, loose. No odor.	
9			wet	6	Fill		No Recovery	
10								
11	3		wet	6	Fill		Black (5YR 2.5/1) ASH AND CINDERS, loose. No odor.	EF-B65_10.5
12								
13			wet	7	PT		Black PEAT, organics, little Silty Clay, medium stiff. Sulfur odor.	
14			wet	7	PT		No Recovery	
15								
16							End of Boring at 15 ft.	
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Comments: No COPR/GGM identified at this location.

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Boring ID: EF-66

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610676.511
Date Started Drilling: 6/2/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683180.891
Date Finished Drilling: 6/3/2011	Core Size: 2 in	Boring Total Depth: 10 ft
Logged By: A. Salazar, B.Daniels	Project Manager: Robert Cataldo	Depth to Water: 5.0 ft
Physical Location: Corner of Garfield Avenue and Carteret Avenue, at Talarico Auto.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	0.2	0	dry	2	Fill		Black Asphalt	
2		0	dry	3	Fill		Brown (7.5YR 4/4) to Dark Reddish Brown (5YR 3/4) fine to medium Silty SAND, some fine to medium angular Gravel and Fill (slag, glass, brick), loose. No odor.	
3		0						EF-B66_2.5
4		0						
5		0	moist	3	Fill		Dark Brown (7.5YR 4/4) fine to medium Silty SAND, trace Fill (wood, glass, brick) and angular Gravel, trace Cobbles from 4.5-5.0', loose. No odor.	EF-B66_6.0
6	0.2		wet	3	Fill		Dark Brown (7.5YR 3/2) SILT AND SAND, some Fill (wood, glass, brick), soft. No odor.	
7			wet	3	Fill			
8							No Recovery	
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11							End of Boring at 10'	
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Comments: At 4.5-5.0' Airknife was able to pass boulders with opening large enough for geoprobe. No GGM/COPR identified at this location.

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Boring ID: EF-67

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife	Coordinates (NJSPNAD83) x: 610689.626
Date Started Drilling: 6/8/2011	Rig Type: Airknife	Coordinates (NJSPNAD83) y: 683449.435
Date Finished Drilling: 6/8/2011	Core Size: 12 in	Boring Total Depth: 3 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: N/A ft
Physical Location: South of French Park, in gated area.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2	Fill		Black Asphalt and Road Stone	
2		0	dry	3	Fill		Dark Yellowish Brown (10YR 4/4) fine SAND, some Silt and fine angular Gravel, loose. No odor.	
3			moist	10	SP-SM		Reddish Brown (2.5YR 4/4) very fine SAND and SILT, trace medium angular to sub-angular Gravel, loose. No odor.	EF-B67_2.5
4							End of boring at 3 ft.	
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Comments: No COPR/GGM identified at this location.

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Boring ID: EF-68

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife	Coordinates (NJSPNAD83) x: 610655.223
Date Started Drilling: 6/8/2011	Rig Type: Airknife	Coordinates (NJSPNAD83) y: 683462.38
Date Finished Drilling: 6/8/2011	Core Size: 12 in	Boring Total Depth: 3 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: N/A ft
Physical Location: South of French Park, in gated area.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2	Fill		Black Asphalt	
2		0	dry to moist	10	ML		Weak Red (10R 4/4) SILT, little fine to medium angular Gravel and Sand, trace coarse Red Mudstone fragments, loose. No odor.	
3			moist	10	SP-SM		Weak Red (10R 4/4) fine SAND, some fine to medium sub-round Gravel and Silt, medium dense. No odor.	EF-B68_2.5
4							End of boring at 3 ft.	
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Comments: No COPR/GGM identified at this location.

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Boring ID: EF-69

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife	Coordinates (NJSPNAD83) x: 610752.355
Date Started Drilling: 6/8/2011	Rig Type: Airknife	Coordinates (NJSPNAD83) y: 683523.898
Date Finished Drilling: 6/8/2011	Core Size: 12 in	Boring Total Depth: 3 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: N/A ft
Physical Location: French Park in grass		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		TOPSOIL and Grass	
			dry	3	Fill		Dark Brown (7.5YR 3/4) SILT, little fine angular Rock fragments, trace fine Sand and organics, loose. No odor.	
2		0	dry	6	Fill		Black SILT and Coal fragments, little Slag and Glass, loose. No odor.	
			moist	10	SP		Black SILT and Coal fragments, little Slag and Glass, loose. No odor.	EF-B69_2.5
3			moist	10	SP-SM		Reddish Brown (2.5YR 4/4) fine SAND, loose. No odor.	
4							Reddish Brown (2.5YR 4/3) fine SAND and SILT, trace coarse rounded Gravel, loose. No odor.	
5							End of boring at 3 ft.	
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Comments: No COPR/GGM identified at this location.

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Boring ID: EF-70

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife	Coordinates (NJSPNAD83) x: 610765.677
Date Started Drilling: 6/8/2011	Rig Type: Airknife	Coordinates (NJSPNAD83) y: 683546.616
Date Finished Drilling: 6/8/2011	Core Size: 12 in	Boring Total Depth: 3 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: N/A ft
Physical Location: French Park in grass		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		TOPSOIL and Grass	
2		0	moist	3	Fill		Brown (10YR 4/3) SILT, some fine to medium Sand, little-trace fine to coarse angular Gravel and Fill Material (brick, coal, concrete), trace organics, loose. No odor.	
3			moist	9	ML		Reddish Brown (2.5YR 4/4) to Pinkish Gray (7.5YR 7/2) SILT, little Clay, semi-cohesive, soft. No odor.	EF-B70_2.5
4			moist	10	ML		Reddish Brown (2.5YR 4/4) CLAYEY SILT, interbedded with fine Sand, soft. No odor.	
5							End of boring at 3 ft.	
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Comments: No COPR/GGM identified at this location.

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Boring ID: EF-71

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife	Coordinates (NJSPNAD83) x: 610997.133
Date Started Drilling: 6/8/2011	Rig Type: Airknife	Coordinates (NJSPNAD83) y: 683898.779
Date Finished Drilling: 6/8/2011	Core Size: 2 in	Boring Total Depth: 3 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: N/A ft
Physical Location: On Garfield Avenue, near Light Rail.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		TOPSOIL and Grass	
2		0	dry	3	Fill		Brown (7.5YR 4/2) SILT and medium SAND, some medium to coarse angular Gravel and Fill (brick, concrete, slag, coal, asphalt), trace organics, loose. No odor.	
3			moist	6	Fill		Black SILT and CINDERS, little Coal fragments, interbedded with Strong Brown (7.5YR 5/6) medium Silty Sand (40%), loose. No odor.	EF-B71 2.5X
4				9	CL-ML		Interbedded Weak Red (10YR 4/3) SILT and Gray (Gley1 6/0) SILTY CLAY, trace coarse Sand, semi-cohesive, soft. No odor.	EF-B71 2.5
5							End of boring at 3 ft.	
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Comments: No COPR/GGM identified at this location.

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Boring ID: EF-72

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife	Coordinates (NJSPNAD83) x: 611011.37
Date Started Drilling: 6/8/2011	Rig Type: Airknife	Coordinates (NJSPNAD83) y: 683913.719
Date Finished Drilling: 6/8/2011	Core Size: 12 in	Boring Total Depth: 3 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: N/A ft
Physical Location: On Garfield Avenue, near Light Rail.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		TOPSOIL and Grass	
			dry	3	Fill		Brown (7.5YR 5/3) fine to medium SAND and medium to coarse angular Gravel, some Silt, little Fill Material (coal, concrete), loose. No odor.	
2		0	moist	6	Fill			
3			moist	9	CL-ML		Black medium SAND and CINDERS, little medium Coal fragments, loose. No odor.	EF-B72_2.5
4							Interbedded Weak Red (10YR 4/3) SILT and Gray (Gley1 6/0) SILTY CLAY, trace Cobbles and Black fine Sand, semi-cohesive, soft. No odor.	
5							End of boring at 3 ft.	
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Comments: No COPR/GGM identified at this location.

PPG - GINT STD US LAB.GDT - 11/3/11 14:36 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT\PPG-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L



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Boring ID: EF-73

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611767.869
Date Started Drilling: 8/5/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683639.101
Date Finished Drilling: 8/8/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5/11.5 ft
Physical Location: Inside Granite Building, Forrest St.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	1	Fill		Concrete	
2		0	moist	3	Fill		Strong Brown (7.5YR 5/6) fine to coarse SAND and fine to medium angular GRAVEL, some Fill (slag, coal, ash, cinders), loose. No odor.	EF-B73_2.5
3		0						
4		0						
5		0						
6		0	wet	3	Fill		Dark Brown (7.5YR 3/2) and Brown (10YR 4/3) Clayey SILT to SILT, some fine to medium Sand at 5.0-5.5', soft. No odor.	
7		0						
8	3.5	0						EF-B73_7.5X EF-B73_7.5
9			wet	10	SP-SM		Reddish Brown (5YR 4/4) SILT and very fine SAND, trace coarse Sand, medium dense. No odor.	
10		0	wet	10	SP-SM		No Recovery	
11		0	moist	10	ML		Strong Brown (7.5YR 5/6) and Gray (10YR 5/1) mottled SILT, dense. No odor.	
12		0	wet	10	SP-SM		Reddish Brown (2.5YR 4/4) medium SAND, some Silt and fine to medium angular Gravel, medium dense. No odor.	EF-B73_12.5
13	3.1	0						
14			wet	10	SP-SM		No Recovery	
15		0						
16		0	wet	10	SP-SM		Reddish Brown (2.5YR 4/4) fine to medium SAND, little fine to medium rounded Gravel from 17-18.5', trace Silt, loose. No odor.	
17		0						
18	3.5	0						EF-B73_17.5
19			wet	10	SP-SM		No Recovery	
20		0						
21		0	wet	10	SP-SM		Same as above.	
22		0	wet	10	SP-SM		Reddish Brown (2.5YR 4/4) very fine SAND, little interbedded Silt, little fine angular Gravel from 22.5-23.3', medium dense to dense. No odor.	EF-B73_22.5
23	3.3	0						
24			wet	10	SP-SM		No Recovery	
25								
26							End of boring at 25 ft.	
27								
28								
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Comments: No COPR/GGM identified at this location.

PPG - GINT STD US LAB.GDT - 11/3/11 14:36 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT\PPG-NJC\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT.L



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Boring ID: EF-74

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611839.037
Date Started Drilling: 8/5/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683741.246
Date Finished Drilling: 8/5/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 11.2 ft
Physical Location: Off of Forrest St./Near Light Rail		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2	Fill		Asphalt	
2		0	dry	3	Fill		Very Dark Gray (5YR 3/1) very fine to coarse SAND, some angular Gravel and Fill (brick, coal, slag, glass), loose. No odor.	EF-B74_2.5
3		0						
4		0						
5		0						
6		0	dry	6	Fill		Black fine ASH and Coal CINDER, little Silt, loose. No odor.	EF-B74_6.0
7	1.2		dry	6	Fill		No Recovery	
8								
9								
10		0						
11		0	dry	6	Fill		Same as above.	EF-B74_11.0
12			wet	10	SP-SM		Dark Reddish Brown (5YR 3/3) fine to medium SAND, little Silt and fine rounded Gravel, dense. No odor.	
13	1.6		wet	10	SP-SM		No Recovery	
14								
15		0						
16		0	wet	10	SP-SM		Reddish Brown (5YR 5/3) fine SAND, some interbedded medium angular Gravel and Silt, soft to medium dense. No odor.	EF-B74_16.5
17			wet	10	SP-SM		No Recovery	
18	1.8							
19								
20		0						
21		0	moist	10	SP-SM		Grayish Brown (2.5YR 5/2) very fine SAND and SILT, medium stiff. No odor.	
22		0	moist	10	ML		Yellowish Brown (10YR 5/6) and Gray (2.5YR 6/1) mottled SILT, very stiff. No odor.	EF-B74_22.5
23	2.6		moist	10	SP-SM		Reddish Brown (5YR 4/4) fine to medium SAND, some Silt, trace Gravel, dense. No odor.	
24			moist	10	SP-SM		No Recovery	
25								
26							End of boring at 25 ft.	
27								
28								
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Comments: No COPR/GGM identified at this location.

PPG - GINT STD US LAB.GDT - 11/3/11 14:36 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L



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Boring ID: EF-75

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611868.39
Date Started Drilling: 8/5/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683678.164
Date Finished Drilling: 8/8/2011	Core Size: 2 in	Boring Total Depth: 20 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5.0 ft
Physical Location: Forrest Street, end of alley on Granite Company property.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2	Fill		Asphalt and Gravel	
2		0	dry	3	Fill		Dark Brown (7.5YR 3/2) SILT, little fine to medium Gravel, trace coarse Sand, loose. No odor.	
3		0						
4			dry	3	Fill		Black coarse GRAVEL and SILT, very dense.	
5		0	dry	1	Fill		Concrete slab	
6		0	wet	3	Fill		Dark Brown (7.5YR 3/2) and Brown (10YR 4/3) Clayey SILT to SILT, some fine to medium Sand at 5.0-5.5', soft. No odor.	
7	3	0						
8			wet	10	SP-SM		Reddish Brown (5YR 4/4) SILT and very fine SAND, trace coarse Sand, medium dense. No odor.	EF-B75_7.5
9			wet	10	SP-SM		No Recovery	
10		0						EF-B75 10.0
11		0	wet	10	SP-SM		Same as above.	
12		0						
13	2.9		moist	11	GM		Reddish Brown (2.5YR 4/4) fine to medium SAND and fine angular GRAVEL, little Silt, dense. No odor.	
14			moist	11	GM		No Recovery	
15		0						
16		0	moist	11	GM		Same as above, with interbedded Silt and medium Sand.	
17		0						
18	2.5		moist	11	GM		No Recovery	
19								
20								
21							End of boring at 20 ft.	
22								
23								
24								
25								
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28								
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Comments: No COPR/GGM identified at this location.

PPG - GINT STD US LAB.GDT - 11/3/11 14:36 - \\USPSW2\FP001\DATA - USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT\PPG-NJC\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L





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Boring ID: EF-76

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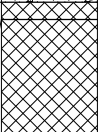
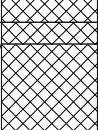
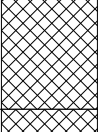
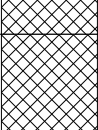





Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Hand Auger	Coordinates (NJSPNAD83) x: 611026.696
Date Started Drilling: 8/5/2011	Rig Type: Hand Auger	Coordinates (NJSPNAD83) y: 682368.312
Date Finished Drilling: 8/9/2011	Core Size: 12 in	Boring Total Depth: 4 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: N/A ft
Physical Location: Between Site 133/135 in alley		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		Very Dark Grayish Brown (10YR 3/2) medium to coarse SAND and fine GRAVEL, little Silt, loose. No odor.	
2		0						EF-76_2.0
3		0	dry moist	1 3	Fill Fill		Concrete Slab and Brick Brown (7.5YR 4/4) SILT and coarse SAND, trace tar and coal, loose. No odor.	
4		0	moist	3	Fill		Brown (7.5YR 4/4) medium SAND and SILT, some fine to medium angular Gravel, loose. No odor. End of boring at 4 ft. First attempt of sampling at 2.0' did not reach historic fill.	EF-76_4.0
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Comments: No COPR/GGM identified at this location.

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611331.4604
Date Started Drilling: 8/12/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 682609.4402
Date Finished Drilling: 8/12/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5/23 ft
Physical Location: Inside Site 135 Building		

(Note bgs = below ground surface)								
Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	1.9	0	dry	1	Fill		Concrete Slab	
2			moist	6	Fill		Concrete and Black SILT, some Ash and Cinders, loose. No odor.	EF-B78_1.5
3			moist	6	Fill		No Recovery	
4								
5	0.5	0						EF-B78_5.0
6		wet	6	Fill	Brown (7.5YR 4/2) CINDERS and SILT, little wood, slag and metal, loose. No odor.			
7		wet	6	Fill	No Recovery			
8								
9	1.3	0						EF-B78_10.0
10								
11		wet	6	Fill	Black CINDERS and SILT, little wood, slag and metal, loose. Slight tar odor.			
12			wet	6	Fill	No Recovery		
13								
14								
15	1.8	0						EF-B78_15.0
16		10.1	wet	6	Fill		Same as above.	EF-B78_16.0
17			moist	7	PT		Grayish Brown (10YR 5/2) Silty CLAY and PEAT, some to high Organics, medium dense. Sulfur odor.	
18			moist	7	PT	No Recovery		
19								
20	3.3	1.3						
21		41.7	moist	7	PT		Dark Reddish Brown (5YR 4/3) PEAT, high Organics, trace Silty Clay, medium dense. Sulfur odor.	
22			65.8					
23								
24	0		wet	8	SP		Gray (Gley1 5/0) very fine SAND, loose. No odor.	
25			wet	8	SP		No Recovery	
26							End of boring at 25 ft.	
27								
28								
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31								
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33								
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Comments: No COPR/GGM identified at this location.

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PPG - GINT STD US LAB.GDT - 11/3/11 14:36 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L



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Boring ID: EF-80

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611367.1581
Date Started Drilling: 8/12/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682614.9263
Date Finished Drilling: 8/12/2011	Core Size: 2 in	Boring Total Depth: 20 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5.4 ft
Physical Location: Inside Site 135 Building		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	1	Fill		Concrete Slab	
2		0	dry	3	Fill		Very Dark Grayish Brown (10YR 3/2) SILT and FILL (slag, brick, glass), little fine to medium Sand, loose. No odor.	EF-B80_2.0
3		0						
4		0						
5		0						EF-B80_5.0
6	1.8	0	wet	5	Fill		Gray (7.5YR 5/1) SILT and coarse SAND (100% GGM), chalky texture, medium dense. Chemical odor.	EF-B80_6.0
7			wet	5	Fill		No Recovery	
8								
9								
10		0						EF-B80_10.0
11	4.6	0	moist	5	Fill		Gray (7.5YR 5/1) to Lime Green SILT and coarse SAND (100% GGM), chalky texture, medium dense. Chemical odor.	
12		0						EF-B80_12.0
13		0						
14		0						EF-B80_14.0
15		0	moist	5	Fill		No Recovery	EF-B80_15.0
16	2.1	0	moist	7	PT		Dark Reddish Brown (5YR 3/4) PEAT, Organics, little Silty Clay, medium dense. Sulfur odor.	
17		0						EF-B80_17.0
18			moist	7	PT		No Recovery	
19								
20								
21							End of boring at 20 ft.	
22								
23								
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Comments: GGM identified at 5.4-14.6 ft

PPG - GINT STD US LAB.GDT - 11/3/11 14:36 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L




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Boring ID: EF-81

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Hand Auger	Coordinates (NJSPNAD83) x: 610425.47
Date Started Drilling: 8/4/2011	Rig Type: Hand Auger	Coordinates (NJSPNAD83) y: 682307.091
Date Finished Drilling: 8/4/2011	Core Size: 4 in	Boring Total Depth: 1 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: N/A ft
Physical Location: JC Abandoned Lot		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		Brown (7.5YR 4/2) SILT, some fine to medium Sand, trace coarse Gravel, loose. No odor. End of boring at 1.0 ft.	EF-B81_0.5
2								
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Comments: No COPR/GGM identified at this location.

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Boring ID: EF-82

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Hand Auger	Coordinates (NJSPNAD83) x: 610419.622
Date Started Drilling: 8/4/2011	Rig Type: Hand Auger	Coordinates (NJSPNAD83) y: 682331.329
Date Finished Drilling: 8/4/2011	Core Size: 4 in	Boring Total Depth: 1 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: N/A ft
Physical Location: JC Abandoned Lot		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		Gray COBBLESTONE street.	EF-B82_0.5
2			moist	6	Fill		Dark Gray (10YR 5/1) ASH and CINDERS, loose. Petroleum odor.	
3							End of boring at 1.0 ft.	
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Comments: No COPR/GGM identified at this location.

PPG - GINT STD US LAB.GDT - 11/3/11 14:36 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L




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Boring ID: EF-83

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Hand Auger	Coordinates (NJSPNAD83) x: 610443.993
Date Started Drilling: 8/4/2011	Rig Type: Hand Auger	Coordinates (NJSPNAD83) y: 682335.022
Date Finished Drilling: 8/4/2011	Core Size: 4 in	Boring Total Depth: 1 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: N/A ft
Physical Location: JC Abandoned Lot		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		Brown (7.5YR 4/2) SILT, some fine to medium Sand, trace coarse Gravel, loose. No odor. End of boring at 1.0 ft.	EF-B83_0.5
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Comments: No COPR/GGM identified at this location.

PPG - GINT STD US LAB.GDT - 11/3/11 14:36 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L




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Boring ID: EF-84

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Hand Auger	Coordinates (NJSPNAD83) x: 610445.995
Date Started Drilling: 8/4/2011	Rig Type: Hand Auger	Coordinates (NJSPNAD83) y: 682310.28
Date Finished Drilling: 8/4/2011	Core Size: 4 in	Boring Total Depth: 1 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: N/A ft
Physical Location: JC Abandoned Lot		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		Brown (7.5YR 4/2) SILT, some fine to medium Sand, trace coarse Gravel, loose. No odor. End of boring at 1.0 ft.	EF-B84_0.5
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Comments: No COPR/GGM identified at this location.

PPG - GINT STD US LAB.GDT - 11/3/11 14:36 - \\USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L



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Boring ID: EF-86

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe/Hand Auger	Coordinates (NJSPNAD83) x: 610767.7085
Date Started Drilling: 8/10/2011	Rig Type: Geoprobe/Hand Auger	Coordinates (NJSPNAD83) y: 682811.9469
Date Finished Drilling: 8/11/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 0.5/22 ft
Physical Location: Inside Site 132 Building.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	1	Fill		Concrete Slab - No staining	EF-B86_0.5
2		0	wet	3	Fill		Strong Brown (7.5YR 5/6) fine SAND, loose. No odor (Fill Sand)	EF-B86_2.0
3		0	wet	3	Fill		Dark Grayish Brown (10YR 3/2) fine SAND, little Silt, trace angular Gravel, very loose. No odor.	EF-B86_4.0
4		0						
5		0						
6		0	wet	3	Fill		Strong Brown (7.5YR 5/6) fine SAND, loose. No odor (Fill Sand)	EF-B86_6.0
7		0						
8	5	0	wet	3	Fill		Yellowish Brown (10YR 5/4) SILT and fine SAND, little coarse Sand, soft. No odor.	EF-B86_8.0
9		0						
10		0						EF-B86_10.0
11		0						EF-B86_12.0
12			moist	6	Fill		Black CINDERS and COAL Fragments, little Silt, loose. No odor.	
13	2		moist	6	Fill		No Recovery	
14								
15		0						EF-B86_15.0
16		0.2	wet	6	Fill		Same as above, wet.	EF-B86_16.0
17	2.5	0.1	moist	7	PT		Black-stained to Dark Reddish Brown (5YR 3/4) PEAT and Silty CLAY, little Organics, cohesive, medium stiff. Tar and sulfur odor.	
18			moist	7	PT		No Recovery	
19								
20		14.6						EF-B86_20.0
21		21.8	moist	7	PT		Same as above, high Organics graded to trace Organics in Silty Clay.	
22		7.2						EF-B86_22.0
23	4	0	wet	8	SW-SM		Gray (Gley1 5/0) SILT to fine to coarse graded SAND, medium stiff to loose. No odor.	
24								
25			wet	10	SM		Reddish Gray (5YR 5/2) fine to medium SAND, little Silt, loose. No odor.	
26			wet	10	SM		No Recovery	
27							End of boring at 25 ft.	
28								
29								
30								
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Comments: No COPR/GGM identified at this location.



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Boring ID: EF-87

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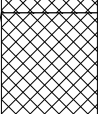
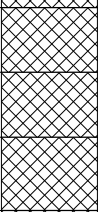
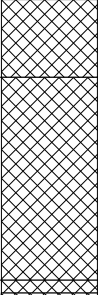
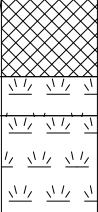
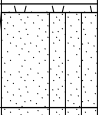
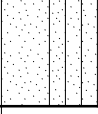
Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe/Hand Auger	Coordinates (NJSPNAD83) x: 610790.0876
Date Started Drilling: 8/10/2011	Rig Type: Geoprobe/Hand Auger	Coordinates (NJSPNAD83) y: 682859.8561
Date Finished Drilling: 8/11/2011	Core Size: 2/6 in	Boring Total Depth: 25 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 6.0/20.5 ft
Physical Location: Inside Site 132 Building.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	0.8	0	dry	1	Fill		Concrete Slab - No staining	EF-B87_0.5
2		0	moist	3	Fill		Strong Brown (7.5YR 5/4) fine SAND, loose. No odor. (Fill sand)	EF-B87_2.0
3		0	moist	4B	Fill		Dark Reddish Gray (5YR 4/2) fine SAND, little Concrete fragments, trace COPR (5%), loose. No odor.	
4		0	moist	6	Fill		Black fine CINDER and SILT, loose. Slight oil odor. Hand auger refusal.	EF-B87_4.0
5		0	moist	6	Fill		Same as above.	
6	1.9	0	moist	3	Fill		No Recovery	
7		0	moist	3	Fill		Dark Brown (7.5YR 3/3) crushed FILL (concrete, brick), some Silt, loose. No odor.	EF-B87_6.0
8		0	wet	3	Fill		Dark Grayish Brown (2.5Y 4/2) SILT, some medium to coarse Sand, trace wood, soft. No odor.	
9		0	wet	3	Fill		No Recovery	
10		0						EF-B87_10.0X
11	2.9	0	wet	3	Fill		Same as above, slight Red-Brown and Green mottling at 12-12.9'.	EF-B87_10.0
12		0						EF-B87_12.0
13		0						
14		0	wet	3	Fill		No Recovery	
15		0						EF-B87_15.0
16	0.9	0	wet	3	Fill		Same as above.	
17		0	wet	6	Fill		Black ASH and FILL (coal, brick, glass), loose. No odor.	
18		0	wet	6	Fill		No Recovery	
19		0						
20		1.2						EF-B87_20.0
21	2	0	moist	7	PT		Dark Reddish Brown (5YR 4/3) PEAT, Organics, little Silty Clay, medium stiff. Sulfur odor.	
22		0	wet	8	SM		Gray (Gley1 5/0) very fine SAND, little Silt, loose. No odor.	EF-B87_22.0
23		0	wet	10	SP		Reddish Brown (2.5YR 4/4) fine to medium SAND, little medium angular Gravel, dense. No odor.	
24		0	wet	10	SP		No Recovery	
25		0						
26							End of boring at 25 ft.	
27								
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Comments: Trace COPR identified at 1.5-2.0 ft bgs.

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 610768.2357
Date Started Drilling: 8/3/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 682750.2883
Date Finished Drilling: 8/3/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5.0/20.2 ft
Physical Location: Inside Site 132 Building.		

(Note bgs = below ground surface)									
Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number	
1	3.5	0	dry	1	Fill		Concrete Slab - No staining	EF-B88_0.5	
2		0	wet moist	3 3	Fill Fill		Strong Brown (7.5YR 5/4) fine SAND, loose. No odor. (Fill sand)	EF-B88_2.0	
3		0					Brown (7.5YR 4/2) SILT, little Fill (brick, ash, cinder, coal), loose. No odor.		
4			moist	3	Fill		No Recovery		
5		0						EF-B88_5.0	
6	4.2	0	wet	6	Fill		Black crushed COAL, little fine Sand, trace Silt and Ash, loose. No odor.	EF-B88_6.0	
7		0	moist	5	Fill		Greenish Gray (5GY 5/2) SILT (100% GGM), little fine Sand, chalky texture, medium dense. Chemical odor.	EF-B88_8.0	
8		0					No Recovery		
9			moist	5	Fill				
10		0							EF-B88_10.0
11	4.7	0	moist	5	Fill		Same as above.		
12		0						EF-B88_12.0	
13		0							
14		0						EF-B88_14.0	
15		0							
16	2.7	20	moist	5	Fill		No Recovery		
17		21.8	moist	12	Canal Bottom		Black-stained Clayey SILT, cohesive, soft. No odor.	EF-B88_16.0	
18			moist	7	PT			Dark Reddish Brown (5YR 4/3) PEAT, Organics, little Silty Clay, medium stiff. Sulfur odor.	
19			moist	7	PT			No Recovery	
20		0.5							EF-B88_20.0
21	2.4	0.2	moist	7	PT		Same as above.		
22			wet	8	SP-SM		Gray (Gley1 5/0) very fine to fine SAND, some interbedded Silt, loose to medium dense. Sulfur odor.	EF-B88_22.0	
23			wet	8	SP-SM		No Recovery		
24									
25									
26						End of boring at 25 ft.			
27									
28									
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Comments: GGM identified at 6.5-14.7 ft bgs.

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
















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Boring ID: EF-89

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 610795.2101
Date Started Drilling: 8/4/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 682799.1989
Date Finished Drilling: 8/4/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 3.0/22.0 ft
Physical Location: Inside Site 132 Building.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	3.9	0	dry	1	Fill		Concrete slab	EF-B89_1.0X
2		0	wet	3	Fill		Strong Brown (7.5YR 5/6) fine SAND, loose. No odor (Fill Sand)	EF-B89_1.0
3		0	moist	3	Fill		Black SILT and FILL (green-stained concrete, brick, glass), medium dense. No odor.	EF-B89_3.0
4		0	wet	4A	Fill		Dark Reddish Brown (2.5YR 3/4) SILT and fine rounded Gravel (90% COPR), medium dense. No odor.	
5			wet	4A	Fill		No Recovery	EF-B89_5.0
6	4	0	wet	4A	Fill		Same as above.	EF-B89_6.0
7		0	moist	5	Fill		Grayish Green (5GY 5/2) SILT (100% GGM), chalky texture, medium dense. Chemical odor.	
8		0	wet	6	Fill		Black crushed FILL (coal, slag, gravel), trace Silt, trace Green staining, loose. No odor.	EF-B89_8.0
9		No Recovery						
10		0	wet	6	Fill		No Recovery	EF-B89_10.0
11	5	0	wet	6	Fill		Same as above.	
12		0	moist to wet	5	Fill		Grayish Green (5GY 5/2) SILT (100% GGM), chalky texture, little interbedded crushed Fill, medium dense. Chemical odor.	EF-B89_12.0
13		0						
14		0						EF-B89_14.0
15		0						
16	1.5	2.4	moist	12	Canal Bottom		Black-stained Clayey SILT, trace medium to coarse Sand, soft. No odor.	EF-B89_16.0
17		moist	7	PT				Dark Reddish Brown (5YR 4/3) PEAT, Organics, medium dense. Sulfur odor.
18		moist	7	PT	No Recovery			
19								
20		0						EF-B89_20.0
21	3.2	0	moist	9	OL		Dark Gray (5Y 4/1) SILT, little fine Sand and Organics, stiff. Sulfur odor.	
22		0						EF-B89_22.0
23			wet	10	SP-SM		Gray (Gley1 6/0) fine to medium SAND, little medium to coarse Gravel, trace Silt, medium dense. No odor.	
24			wet	10	SP-SM		No Recovery	
25								
26						End of boring at 25 ft.		
27								
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Comments: COPR identified at 3.0-6.0 ft bgs, GGM identified at 6.0-15.3 ft bgs.



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Boring ID: EF-90

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 610822.687
Date Started Drilling: 8/4/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 682848.6573
Date Finished Drilling: 8/4/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5.3/20.4 ft
Physical Location: Inside Site 132 Building.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	3.5	0	dry	1	Fill		Concrete slab	EF-B90_1.0
2		0	dry	3	Fill		Strong Brown (7.5YR 5/6) fine SAND, loose. No odor (Fill Sand)	
3		0	dry	4A	Fill		Black to Reddish Brown (2.5YR 3/4) SILT and fine rounded Gravel (70-100% COPR), some Fill (glass, concrete, brick), loose. No odor.	EF-B90_3.0
4		0	dry	4A	Fill		No Recovery	
5		0						EF-B90_5.0
6	2.9	0	dry	4A	Fill		Same as above.	
7		0	wet	5	Fill		Greenish Gray (5GY 5/2) SILT and fine SAND (100% GGM), chalky texture, soft to medium stiff. Chemical odor.	EF-B90_7.0
8			wet	5	Fill		Black-stained crushed FILL (coal, slag, gravel), little Silt (30% GGM), loose. Chemical odor.	
9			wet	5	Fill		No Recovery	
10		0						
11	5	0	wet to moist	5	Fill		Greenish Gray (5GY 5/2) SILT and fine SAND (100% GGM), chalky texture, soft to medium stiff. Chemical odor.	EF-B90_11.0
12		0						
13		0						
14		0						EF-B90_14.0
15		0						
16	0.05		moist moist	12 12	Canal Bottom Canal Bottom		Black-stained Clayey SILT, soft. No odor (Canal Bottom). No Recovery	
17								
18								
19								
20		14						EF-B90_20.0
21	3.5	0	moist wet	7 8	PT SP-SM		Dark Reddish Brown (5YR 4/3) PEAT, Organics, medium dense. Sulfur odor.	
22		0					Gray (Gley1 6/0) SILT and very fine SAND, little organics, stiff to loose. No odor.	EF-B90_22.0
23		0						
24			wet wet	10 10	SP-SM SP-SM		Reddish Brown (2.5YR 4/3) fine to medium SAND, trace rounded Gravel, loose. No odor.	
25							No Recovery	
26							End of boring at 25 ft.	
27								
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Comments: COPR identified at 2.0-5.3 ft bgs, GGM identified at 5.3-15 ft bgs.

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Boring ID: EF-94

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Hand Auger	Coordinates (NJSPNAD83) x: 611764.648
Date Started Drilling: 8/12/2011	Rig Type: Hand Auger	Coordinates (NJSPNAD83) y: 683044.804
Date Finished Drilling: 8/12/2011	Core Size: 6 in	Boring Total Depth: 3 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: N/A ft
Physical Location: Parking Lot next to Dialysis Center.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2	Fill		Black weathered ASPHALT and coarse angular Gravel (DGA), medium dense. No odor. Dark Brown (7.5YR 3/3) SILT, some fine to medium Sand, little Coal fragments, loose. No odor.	
2		0	moist	3	Fill			
3								EF-B94_2.5
4							End of boring at 3 ft.	
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Comments: No COPR/GGM identified at this location.

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Boring ID: EF-97

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Hand Auger	Coordinates (NJSPNAD83) x: 611134.102
Date Started Drilling: 8/11/2011	Rig Type: Hand Auger	Coordinates (NJSPNAD83) y: 682206.028
Date Finished Drilling: 8/11/2011	Core Size: 6 in	Boring Total Depth: 3 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: N/A ft
Physical Location: Parking lot on Pacific Avenue, near Caven Point Avenue		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2	Fill		Asphalt and Gravel	
2		0	dry	6	Fill		Black CINDERS and FILL (concrete, brick), dense. No odor.	
3			moist	3	Fill		Brown (7.5YR 4/4) very fine SAND, little fine angular Gravel, loose. No odor.	EF-B97_2.5
4							End of boring at 3 ft.	
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Comments: No COPR/GGM identified at this location.

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Boring ID: EF-98

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Hand Auger	Coordinates (NJSPNAD83) x: 610971.775
Date Started Drilling: 8/11/2011	Rig Type: Hand Auger	Coordinates (NJSPNAD83) y: 682058.459
Date Finished Drilling: 8/11/2011	Core Size: 6 in	Boring Total Depth: 3 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: N/A ft
Physical Location: Parking lot on Pacific Avenue, near Caven Point Avenue		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2	Fill		Asphalt and Gravel	
2		0	dry	1	Fill		Brick and Concrete slab	
3			dry	3	Fill		Brown (7.5YR 4/4) fine SAND and medium to coarse Gravel, medium dense. No odor.	EF-B98_2.5
4							End of boring at 3 ft.	
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Comments: No COPR/GGM identified at this location.

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Boring ID: ICO-04

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610365.55
Date Started Drilling: 8/8/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682400.838
Date Finished Drilling: 8/9/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 6.7/23.0 ft
Physical Location: Valero at Corner of Garfield Avenue and Caven Pt. Road		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		Concrete	ICO-4_0.8
2		0	dry	3	Fill		Brown (7.5YR 4/3) very fine to medium SAND, little Silt and fine to medium Gravel, little Fill (brick, debris), loose. No odor.	ICO-4_2.0
3		0	dry	3	Fill		Brown (7.5YR 4/4) SILT, trace fine to medium angular Gravel and Fill (brick, coal, debris), loose. No odor.	
4		0						ICO-4_4.0
5		0	dry	3	Fill		Brown (7.5YR 4/4) FILL (coal, glass, brick, ash, cinders), little fine to medium Sand and Gravel, loose. No odor.	
6		0	dry	10	ML		Reddish Brown (5YR 4/4) SILT, little coarse Sand, trace fine angular Gravel, medium dense. No odor.	ICO-4_6.0
7		185						
8			wet	10	SM		Dark Gray (7.5YR 4/1, 4/2) to Black-stained very fine SAND and SILT, medium dense. Gasoline odor.	
9			wet	10	SM		No Recovery	
10		338						ICO-4_10.0
11		1154	wet	9	SM		Same as above	
12		508						ICO-4_12.0
13		354	wet to moist	9	CL		Dark Grayish Brown (2.5Y 4/2) CLAYEY SILT to CLAY, soft to medium stiff. Gasoline odor. Moist at 13.0'.	
14								
15		154	moist	9	CL		No Recovery	ICO-4_15.0
16		70.8	wet	9	CL		Same as above, wet.	ICO-4_16.0
17		51.2						
18		30.8	moist	9	CH		Dark Grayish Brown (2.5Y 4/2) CLAY, little Silt, stiff. No odor.	ICO-4_18.0
19		9.2						
20		0						ICO-4_20.0
21		0	dry	11	GM		Weak Red (10R 4/4) fine to medium angular GRAVEL, some Silt and fine to medium Sand, very dense. No odor.	ICO-4_20.0X
22		0						
23		374	moist to wet	10	SM		Dark Grayish Brown (2.5Y 4/2) very fine SAND and SILT, little Clay at 22-23', Black staining, medium dense. Gasoline odor.	
24		289					Wet at 23.0'.	
25								
26							End of boring at 25 ft.	
27								
28								
29								
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33								
34								
35								

Comments: No COPR/GGM identified at this location.

PPG - GINT STD US LAB.GDT - 11/3/11 14:36 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT\PPG-NJC\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L



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Boring ID: ICO-05

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610279.347
Date Started Drilling: 8/9/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682297.333
Date Finished Drilling: 8/10/2011	Core Size: 2 in	Boring Total Depth: 8.5 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: N/A ft
Physical Location: Valero, Near Diesel pumps.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2	Fill		Black Asphalt	ICO-5_0.8
2		0	dry	3	Fill		Dark Gray (7.5YR 4/1) fine to coarse SAND and GRAVEL, little Fill (brick, coal), loose. No odor	ICO-5_2.0
3		0	dry	3	Fill		Reddish Brown (5YR 4/4) very fine to fine SAND, some Silt, little fine to medium angular Gravel, medium dense. No odor.	
4		0						ICO-5_4.0
5		2.6						
6		3.2	moist	3	Fill		Brown (7.5YR 4/3) fine to medium SAND, loose. No odor.	
7		1.8	moist	3	Fill		Reddish Brown (5YR 4/3) SILT and very fine SAND, medium dense. No odor.	ICO-5_6.5
8	7.3		moist	10	SP-SM		Gray (5YR 6/1) fine to medium angular GRAVEL, loose. No odor.	
9			moist	10	SP-SM		Reddish Brown (5YR 5/4) SILT and very fine SAND, little fine sub-angular Gravel, medium dense. No odor.	
10							No Recovery	
11							Refusal at 8.5 on Diabase/Glacial Till	
12								
13								
14								
15								
16								
17								
18								
19								
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21								
22								
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Comments: No COPR/GGM identified at this location.

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Boring ID: ICO-06

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610221.541
Date Started Drilling: 8/9/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682221.623
Date Finished Drilling: 8/9/2011	Core Size: 2 in	Boring Total Depth: 10 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: N/A ft
Physical Location: Valero, Near Carwash entrance.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	2.7	0	dry	2	Fill		Asphalt	ICO-6_0.8
2		0	dry	3	Fill		Dark Gray (7.5YR 4/1) fine to coarse SAND and fine to coarse angular GRAVEL, little Fill (coal, debris), loose. No odor. Brown (7.5YR 4/4) very fine SAND and SILT, some fine to medium Gravel, some Fill (coal, debris), loose. No odor.	ICO-6_2.0
3		0	dry	3	Fill			
4		0						ICO-6_4.0
5		0						
6		0						ICO-6_6.0
7	2.7	0					Reddish Brown (2.5YR 4/4) SILT and medium GRAVEL, little Diabase fragments, very dense. No odor. No Recovery	ICO-6_7.5
8			moist	11	GM			
9			moist	11	GM			
10								
11							Refusal at 10 ft.	
12								
13								
14								
15								
16								
17								
18								
19								
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Comments: No COPR/GGM identified at this location.

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Boring ID: ICO-08 / SCB-12

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610546.215
Date Started Drilling: 5/12/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682222.578
Date Finished Drilling: 5/12/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5.0 ft
Physical Location: Southern Canal Area		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		Brown (7.5YR 4/3) fine to coarse SAND, some fine to medium Gravel and Fill (brick, ash, glass, slag), loose. No odor.	ICO-8_0.5
2		0						ICO-8 2.0
3			moist	3	Fill		Brown (7.5YR 4/3) fine to coarse SAND, some fine to medium angular Gravel, little Fill (brick, glass, slag, debris), trace organics, medium dense. No odor.	
4		0						ICO-8 4.0
5		0	moist	3	Fill		Reddish Brown (5YR 4/3) fine to medium SAND, little Silt, some fine Gravel, trace Fill (brick, coal, ash), medium dense. No odor.	
6			moist to wet wet	6	Fill		Brown SILT interbedded with Black ASH and CINDERS, trace fine angular Gravel, loose to med dense. No odor. Wet at 5.3'.	ICO-8 6.0
7	1						No Recovery	
8								
9								
10		0						ICO-8 10.0
11			wet	3	Fill		Black fine to medium SAND, some Silt, little Fill (cinders, ash, coal fragments), medium dense. No odor.	
12			wet	3	Fill		No Recovery	
13	1.2							
14								
15		2						ICO-8 15.0
16		0.5	wet	3	Fill		Brown (7.5YR 4/3) SILT and fine to medium SAND, little coarse Sand, soft/loose. No odor.	ICO-8 16.0
17		0.5						
18	4.3	1.2	wet	3	Fill		Black stained SILT, trace Organics, fine angular Gravel, and Clay, soft. Slight coal tar odor.	
19			moist	7	PT		Dark Brown (10YR 3/3) PEAT, organics, little Silty Clay, semi-cohesive, medium stiff. Sulfur odor.	
20		0.1	moist	7	PT		No Recovery	
21			moist	9	CL		Dark Gray (2.5yr 4/1) Silty CLAY, trace organics, cohesive, medium stiff. Sulfur odor.	
22	0.3		moist	9	CL		No Recovery	
23								
24								
25								
26							End of boring at 25 ft.	
27								
28								
29								
30								
31								
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33								
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Comments: No GGM/COPR identified at this location.

PPG - GINT STD US LAB.GDT - 11/3/11 14:36 - \\USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L



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Boring ID: ICO-09

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610459.328
Date Started Drilling: 5/11/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682217.351
Date Finished Drilling: 5/12/2011	Core Size: 2 in	Boring Total Depth: 20 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5.3 ft
Physical Location: Southern Canal Area		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	moist	3	Fill		Brown (7.5YR 5/4) very fine to medium SAND, some Silt, little fine to coarse Gravel and Fill (brick, coal, debris), trace Cobbles, medium dense. No odor.	ICO-9_0.5
2		0						ICO-9_2.0
3								
4		0						ICO-9_4.0
5		0	moist	6	Fill			
6	1.8	0	wet	3	Fill		Very Dark Gray (7.5YR 3/1) ASH and CINDERS, medium dense. No odor. Black-stained coarse SAND and BRICK, little Silt and coal fragments, loose. No odor. Reddish Brown (5YR 4/4) fine SAND, some Silt, trace coarse Sand, loose. No odor. No Recovery	ICO-9_6.0
7			wet	3	Fill			
8								
9								
10		0						ICO-9_10.0
11	1.6	0	wet	3	Fill		Reddish Brown (5YR 4/4), fine SAND, some Silt, trace medium angular Gravel, loose to moderately dense. No odor. No Recovery	
12			wet	3	Fill			
13								
14								
15		0						ICO-9_15.0
16	3.2	0	wet	3	Fill		Reddish Brown (5YR 4/4), fine SAND, some Silt, trace medium angular Gravel, trace mottling, moderately dense. No odor. Black Stained CLAY, little Silt, trace fine angular Gravel from 16.5' to 16.6', semi-cohesive, stiff. No odor. Dark Brown (10YR 3/3) PEAT, organic, little Silty Clay, semi-cohesive, medium stiff. Sulfur odor. No Recovery	ICO-9_16.0
17		3.4	moist	12	Canal Bottom			
18			moist	7	PT			
19			moist	7	PT			
20								
21							End of boring at 20 ft.	
22								
23								
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Comments: No GGM/COPR identified at this location.

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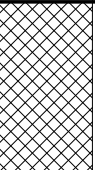
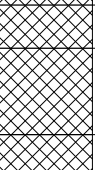
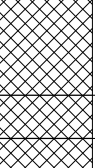
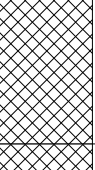
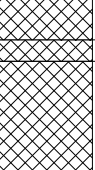
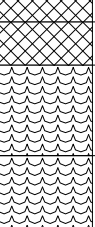
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Boring ID: ICO-10 / SCB-10

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610384.699
Date Started Drilling: 5/11/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682154.517
Date Finished Drilling: 5/11/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 10 ft
Physical Location: Southern Canal Area		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number		
1		0	dry to moist	3	Fill		Brown (7.5YR 4/2) fine to coarse SAND, some to little Silt, little fine to medium Gravel and Fill (glass, brick), trace organics, medium dense. No odor.	ICO-10_0.5		
2		0						ICO-10_2.0		
3										
4		0		ICO-10_4.0X						
5		0	moist	3	Fill			Very Dark Brown (7.5YR 2.5/2) very fine to medium SAND, some fine to medium Gravel, little Fill (ash, cinder), medium dense. No odor. Yellowish Red (5YR 4/6) to Dark Reddish Gray (5YR 4/2) SILT, some fine Sand, little Cobbles and Brick, soft/dense. No odor.	ICO-10_4.0	
6	0	moist	3	Fill	ICO-10_6.0					
7	2		moist	3	Fill	No Recovery				
8										
9										
10	0						ICO-10_10.0			
11	1		wet to moist wet	3	Fill		Yellowish Red (5YR 4/6) to Dark Reddish Gray (5YR 4/2) SILT, some fine Sand, little Cobbles and Brick, soft/dense. No odor. Wet at 10.3'. No Recovery			
12				3	Fill					
13										
14										
15			0							ICO-10_15.0
16	2		wet	3	Fill		Yellowish Red (5YR 4/6) to Dark Reddish Gray (5YR 4/2) SILT, some fine Sand, little Cobbles and Brick, very soft/dense. No odor.	ICO-10_16.0		
17				moist moist	3			Fill		
18			3		Fill		Black-stained CLAY with trace Coal fragments, graded to Brown (7.5YR 4/2) very fine Silty SAND, stiff to loose. No odor. No Recovery			
19										
20			0							ICO-10_20.0
21	3.1		wet	3	Fill		Brown (7.5YR 4/2) very fine SAND, little Silt, loose. No odor.			
22				moist	7			OH	Dark Gray (7.5YR 4/1) CLAY, trace Silt and Organics, shells, cohesive, firm. Sulfur odor.	
23										
24			moist		7		OH	No Recovery		
25										
26							End of Boring at 25 ft.			
27										
28										
29										
30										
31										
32										
33										
34										
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Comments: No GGM/COPR identified at this location

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Boring ID: ICO-19

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611639.361
Date Started Drilling: 6/6/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683733.753
Date Finished Drilling: 6/6/2011	Core Size: 2 in	Boring Total Depth: 20 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 3.1 ft
Physical Location: End of Forrest St., Parking Lot		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2	Fill		Black Asphalt	ICO-19_0.5
2		0	dry	3	Fill		Very Dark Gray (7.5YR 3/1) fine to coarse SAND and fine to coarse sub-rounded GRAVEL, loose. No odor.	ICO-19_2.0
3			moist	3	Fill		Dark Brown (7.5YR 3/2) fine to coarse SAND, little Silt, some fine to coarse angular gravel, little Fill (brick, debris) loose. No odor.	
4		0	dry	1	Fill		Concrete	ICO-19_4.0
5		0	wet	3	Fill		Dark Brown (7.5YR 3/2) fine to coarse SAND, little Silt, some fine to coarse angular Gravel, little Fill (brick, debris) loose, wet at 3.1'. No odor.	
6		0	moist	3	Fill		Very Dark Brown (10YR 3/2) crushed fine to medium GRAVEL, trace Silt, loose. No odor.	ICO-19_6.5
7	3.1	0	wet	4B	Fill		Very Dark Brown (10YR 3/2) SILT, little fine Sand, soft. No odor.	ICO-19_8.0
8			moist	3	Fill		Very Dark Brown (10YR 3/2) SILT and fine rounded GRAVEL, COPR (80%), little medium Sand, loose. No odor.	
9			wet	6	Fill		Very Dark Brown (10YR 3/2) SILT, little fine Sand, soft. No odor.	
10		0	wet	6	Fill		Brown (7.5YR 3/2) FILL (ash), little Cinders and Silt, medium soft. No odor.	ICO-19_10.0
11			wet	3	Fill		No Recovery	
12	0.4		wet	3	Fill		Dark Brown (7.5YR 3/2) fine to medium SAND, little coarse Sand to fine rounded Gravel, little interbedded Sandy Silt, loose to soft. No odor.	
13							No Recovery	
14								
15		0						
16		0	moist	10	SM		Reddish Brown (2.5YR 4/3) fine SAND AND SILT, little to trace medium Sand, reed-like organics at 16.5' to 16.7', medium dense. No odor.	ICO-19_16.0
17		0						
18	2.6		moist	7	PT		Very Dark Gray (10YR 3/1) PEAT, some Silt, trace Clay, organics, firm. Sulphur odor.	ICO-19_17.5
19			moist	7	PT		No Recovery	
20								
21							Refusal at 20 ft.	
22								
23								
24								
25								
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Comments: COPR identified at 6.0-7.0 ft bgs.

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Boring ID: EF-46/ICO-20

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611717.044
Date Started Drilling: 6/6/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683682.201
Date Finished Drilling: 6/6/2011	Core Size: 2 in	Boring Total Depth: 20 ft
Logged By: E. Acs, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 0.5 ft
Physical Location: End of Forrest Street, in loading dock		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	1	Fill		Concrete (Apron to Loading Dock), no rebar - wire mesh instead.	ICO-20_0.5
2		0	wet	3	Fill		Black (10YR 2/1) CLAYEY SILT, Organic, trace fine to coarse angular Gravel and Organic Fibers, soft. No odor.	ICO-20_2.0
3		0	wet	3	Fill		Dark Grayish Brown (10YR 4/2) SILT, trace Clay and fine to coarse angular Gravel, Organics, soft. No odor.	EF-B46_2.5
4		0	wet	8	ML		Black (10YR 2/1) fine to coarse angular GRAVEL, little-trace Silt, loose. No odor.	ICO-20_4.0
5		0					Dark Grayish Brown (10YR 4/2) SILT, trace Clay, Organic, soft. No odor.	
6		0	wet	8	ML		Gray (2.5Y 5/1) and Yellowish Brown (10YR 5/4) SILT graded to very fine Sand, some interbedding, medium stiff. No odor.	ICO-20_6.0
7	2.5	0						
8			wet	8	ML		No Recovery	
9								
10		0						
11		0	moist	9	ML-CL		Same as above, little Clay.	
12		0	wet	10	SP-SM		Reddish Brown (5YR 4/3) fine to medium SAND, interbedded with medium Gravel, little to trace Silt, trace weathered Mudstone, trace very dark gray Gravel, loose. No odor.	
13	3.4	0						
14			wet	10	SP-SM		No Recovery	
15		0						
16		0	wet	10	SP-SM		Same as above.	
17		0						EF-B46_17.0X
18	2.7		wet	10	SP-SM		No Recovery	EF-B46_17.0
19								
20								
21							End of boring at 20 ft.	
22								
23								
24								
25								
26								
27								
28								
29								
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32								
33								
34								
35								

Comments: No COPR/GGM identified at this location.

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Boring ID: ICO-21

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611849.501
Date Started Drilling: 6/3/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683656.21
Date Finished Drilling: 6/3/2011	Core Size: 2 in	Boring Total Depth: 20 ft
Logged By: A. Salazar, B.Daniels	Project Manager: Robert Cataldo	Depth to Water: 5 ft
Physical Location: Forrest Street, in Alley		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	2	Fill		Black Asphalt and Stone	ICO-21_ 0.5
2		0	dry	3	Fill		Very Dark Brown (10YR 2/2) medium to fine SAND, some very fine to medium angular Gravel, trace Silt, trace coarse sub-angular Gravel, loose, no odor	ICO-21_ 2.0
3		0	dry	3	Fill		Black (10YR 2/1) medium to coarse SAND, some fine to coarse angular Gravel, trace Silt and Fill (concrete, slag), loose. No odor.	
4		0	dry	3	Fill		Very Dark Brown (10YR 2/2) medium to coarse SAND, some angular to sub-angular Gravel, little Fill (slag, wood, glass), trace Silt, loose. No odor.	ICO-21_ 4.0
5		0	dry	3	Fill		Very Dark Brown (10YR 2/2) medium to coarse SAND, some angular to sub-angular Gravel, little Fill (slag, wood, glass), trace Silt, loose. No odor.	
6		0	moist wet	3 9	Fill SM-ML		Very Dark Grayish Brown (10YR 3/2) medium to coarse SAND, some fine to medium angular Gravel, trace Silt, trace coarse sub-angular Gravel, loose. No odor.	ICO-21_ 6.0
7	4						Very Dark Grayish Brown (10YR 3/2) fine to medium Sandy SILT, trace Clay, trace fine angular Gravel, organics and Mica fragments, cohesive	ICO-21_ 8.0
8		0	wet	10	SM-ML		Very Dark Gray (7.5YR 3/1) SILT and fine SAND, soft. No odor. Strong Brown (7.5YR 5/6) SILT and fine SAND, little Clay, trace angular Gravel, stiff. No odor.	
9							No Recovery	
10		0	wet	10	SM-ML		Reddish Brown (5YR 5/4) SILT and fine SAND, trace fine to coarse angular Gravel, very stiff. No odor.	ICO-21_ 10.0
11		0	wet	10	SM-ML		No Recovery	
12		0						
13	3							
14		0	wet	10	SM-ML		Reddish Brown (5YR 4/4) fine to medium SAND, some fine to coarse angular Gravel, little Silt, dense. No odor.	ICO-21_ 16.0
15								
16		0	wet	10	SM		Reddish Brown (5YR 4/3) SILT and fine SAND, little Clay, stiff. No odor.	ICO-21_ 18.0
17	3.5						No Recovery	
18		0	wet	10	SM-ML			
19			wet	10	SM-ML			
20								
21							End of boring at 20 ft.	
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								

Comments: No COPR/GGM identified at this location.

Comments: COPR identified from 0.75-1.0 ft bgs (5%).

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Boring ID: ICO-25

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 611872.511
Date Started Drilling: 8/8/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 683508.984
Date Finished Drilling: 8/8/2011	Core Size: 2 in	Boring Total Depth: 15 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 6.0 ft
Physical Location: Loading Dock of Hudson County Voting Machines, Forrest St.		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	1	Fill		Concrete	ICO-25_0.7
2		0	dry	6	Fill		Black (10YR 2/1) ASH and CINDERS, some fine to coarse Sand, Gravel and Slag, loose. No odor.	ICO-25_2.0
3		0	dry	3	Fill		Brown (10YR 4/3) SILT, some fine to medium Sand, little Fill (coal, brick, debris) trace fine angular Gravel, loose. No odor.	
4		0	moist	3	Fill		Yellowish Brown (10YR 5/4) SILT and very fine SAND, loose. No odor.	ICO-25_4.0
5		0						
6	3.2	0	wet	10	SP-SM		Reddish Brown (2.5YR 4/4) very fine SAND and SILT, little fine angular Gravel, medium dense to dense. No odor.	ICO-25_6.0
7		0						
8		0	wet	10	SP-SM		No Recovery	ICO-25_8.0
9		0						
10	5	0	wet	10	SP		Reddish Brown (2.5YR 4/4) very fine SAND, little to trace Silt, dilatent, loose to medium dense. No odor.	
11		0						
12		0						
13		0						
14								
15								
16							End of boring 15 ft.	
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
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31								
32								
33								
34								
35								

Comments: No COPR/GGM identified at this location.

Southern Canal Borings

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Boring ID: SCB-01

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610442.263
Date Started Drilling: 5/9/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 681982.499
Date Finished Drilling: 5/9/2011	Core Size: 2 in	Boring Total Depth: 35 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 6.0 ft
Physical Location: South end of Property, at the fenceline		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		Dark Brown (7.5YR 3/2) fine to coarse SAND, some Silt and fine to medium angular Gravel, trace debris, Cobble and organics, medium dense. No odor.	
2		0						
3		0						
4		0	moist	3	Fill		Dark Brown (7.5YR 3/2) fine to coarse SAND, some fine to coarse Gravel, little Fill (slag, glass, brick), dense. No odor.	
5		0						
6		0	wet	6	Fill		Very Dark Gray (Gley1 3/0) ASH and CINDERS, some Coal fragments and Silt, loose. No odor.	
7	1.3	0	wet	6	Fill		No Recovery	
8								
9								
10		0						
11		0	wet	6	Fill		Same as above.	
12	1.7		wet	6	Fill		No Recovery	
13								
14								
15		0						
16		0	wet	6	Fill		Same as above.	
17	1.7		moist	12	Canal Bottom		Black-stained SILT to SILTY CLAY, trace fine Sand and Gravel, medium stiff. No odor.	
18			moist	12	Canal Bottom		No Recovery	
19								
20		0						
21			moist	12	Canal Bottom		Same as above - No recovery in sleeve, Black-stained SILTY CLAY in shoe.	
22	0.1		moist	12	Canal Bottom		No Recovery	
23								
24								
25								
26			moist	12	Canal Bottom		25-30 interval: No Recovery	
27	0							
28								
29								
30		0						
31		0	wet	8	SP-SM		Dark Gray (2.5Y 4/1) medium SAND, some Silt, little fine angular Gravel, medium dense. No odor.	
32	3	0	wet	10	SP-SM		Reddish Brown (2.5YR 4/3) fine SAND, little Silt, interbedded with some Dark Gray (2.5Y 4/1) fine Silty Sand at 31.6-32', loose. No odor.	
33								
34			wet	10	SP-SM		No Recovery	
35							End of boring at 35 ft.	

Comments: No COPR/GGM identified at this location. Canal Bottom from 16-20.1 ft.

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Boring ID: SCB-03

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610389.34
Date Started Drilling: 5/9/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682014.446
Date Finished Drilling: 5/10/2011	Core Size: 2 in	Boring Total Depth: 30 ft
Logged By: B. Daniels, E. Acs	Project Manager: Robert Cataldo	Depth to Water: 6.0 ft
Physical Location: 3rd Boring, Southern Transect 3		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		Dark Brown (7.5YR 3/2) fine to coarse SAND, some fine to medium angular Gravel, Cobbles and Fill (brick, glass, debris), medium dense. No odor.	
2		0						
3		0						
4		0	dry	1	Fill		Concrete	
5		0	moist	3	Fill		Brown (7.5YR 4/4) fine to coarse SAND, some fine to medium angular Gravel, Cobbles and Fill (brick, slag, debris), little Silt, dense. No odor.	
6		0	moist to wet	6	Fill		Dark Gray (10YR 4/1) ASH and CINDERS, trace Coal fragments, loose. No odor. Wet at 6.0 ft.	
7	1.1		wet	6	Fill		No Recovery	
8								
9								
10		0						
11		0	wet	6	Fill		Same as above, wet.	
12	1.6		wet	3	Fill		Black-stained (10YR 2/1) SILT, trace fine Sand and fine to coarse Gravel, medium stiff. No odor.	
13							No Recovery	
14								
15								
16			wet	3	Fill		15-20 interval: No Recovery	
17	0							
18								
19								
20		0						
21			wet to moist	7	PT-ML		Dark Gray (2.5Y 4/1) SANDY SILT interbedded with PEAT, medium stiff. No odor.	
22	0.5		moist	7	PT-ML		No Recovery	
23								
24								
25		0						
26		0	moist	9	CH		Dark Gray (2.5Y 4/1) CLAY, trace Silt, stiff. No odor.	
27	4							
28		0						
29			moist	8	SP-SM		Dark Gray (2.5Y 4/1) SILTY fine SAND, trace fine Gravel, dense. No odor.	
30			moist	8	SP-SM		No Recovery	
31							End of boring at 30 ft.	
32								
33								
34								
35								

Comments: No COPR/GGM identified at this location.

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Boring ID: SCB-04

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610361.11
Date Started Drilling: 5/9/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682021.847
Date Finished Drilling: 5/10/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: E. Acs	Project Manager: Robert Cataldo	Depth to Water: 10 ft
Physical Location: 4th Boring, Southern Transect 3		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		Dark Brown (7.5YR 3/2) fine to coarse SAND, little fine to coarse angular Gravel, little Cobbles and Fill (brick, glass, debris, slag), medium dense. No odor.	
2		0						
3		0						
4		0						
5		0	dry to moist	6	Fill		Gray (10YR 7/1) ASH and CINDERS, loose. No odor.	
6		0						
7	1.5		moist	3	Fill		Brown (10YR 5/3) fine to medium SAND, some Silt, little Ash and Cinders, loose. No odor.	
8			moist	3	Fill		No Recovery	
9								
10		0						
11		0	wet	3	Fill		Same as above, wet.	
12			wet	3	Fill		Very Dark Gray (10YR 3/1) to stained-Black SILT to fine to medium SAND, some fine to coarse Gravel, loose. No odor.	
13	1.4		wet	3	Fill		No Recovery	
14								
15		0						
16		0	wet	3	Fill		Same as above.	
17			moist	7	PT-ML		Very Dark Gray (2.5Y 3/1) fine SANDY SILT, interbedded with PEAT, soft. No odor.	
18	1.5		moist	7	PT-ML		No Recovery	
19								
20		0						
21		0	moist	7	PT-ML		Dark Gray (2.5Y 4/1) CLAY, trace Silt, interbedded with PEAT, stiff. No odor.	
22								
23	2.6		moist	9	CH		Dark Gray (2.5Y 4/1) CLAY, trace Silt, stiff. No odor.	
24			moist	9	CH		No Recovery	
25								
26							End of boring at 25 ft.	
27								
28								
29								
30								
31								
32								
33								
34								
35								

Comments: No COPR/GGM identified at this location.

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Boring ID: SCB-05

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610342.811
Date Started Drilling: 5/10/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682032.179
Date Finished Drilling: 5/10/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, E. Acs	Project Manager: Robert Cataldo	Depth to Water: N/A ft
Physical Location: 5th Boring, Southern Transect 3		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1			dry	3	Fill		Dark Brown (7.5YR 3/2) fine to medium SAND, some Cobbles, little fine to medium Gravel, trace organics, little Fill (brick, trash, glass), medium dense. No odor.	
2		0						
3								
4		0	moist	6	Fill		Brown (7.5YR 5/3) fine to coarse SAND, some Fill (ash, cinders, glass, coal), little Cobbles, medium dense. No odor.	
5		0						
6		0	moist	6	Fill		Dark Gray (10YR 4/1) FILL (ash and cinders), trace coal fragments, loose. No odor.	
7	1.3	0	moist	3	Fill		Brown (10YR 5/3) Silty fine SAND, trace fine Gravel, medium dense. No odor.	
8			moist	6	Fill		Dark Gray (10YR 4/1) FILL (ash and cinders), trace fine Sand, loose. No odor.	
9							No Recovery	
10		0						
11			moist	6	Fill		Dark Gray (10YR 4/1) FILL (ash and cinders), trace fine Sand, loose. No odor.	
12	0.4		moist	3	Fill		Very Dark Gray (10YR 3/1) SILT, little fine to coarse Sand, trace fine Gravel, stiff. No odor.	
13			moist	3	Fill		No Recovery	
14								
15		0						
16			moist	7	PT-ML		Gray PEAT, interbedded with Silty Clay, medium stiff. No odor.	
17	1		moist	7	PT-ML		Dark Gray (2.5 YR 4/1) SILT, trace fine Sand interbedded with Peat, stiff. No odor.	
18			moist	7	PT-ML		No Recovery	
19								
20		0						
21			moist	9	CL		Dark Gray (2.5YR 4/1) CLAY, trace Silt, stiff. No odor.	
22	0.9		moist	9	CL		No Recovery	
23								
24								
25								
26							End of boring at 25 ft.	
27								
28								
29								
30								
31								
32								
33								
34								
35								

Comments: No COPR/GGM identified at this location.

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Boring ID: SCB-06

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610509.217
Date Started Drilling: 5/10/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682098.62
Date Finished Drilling: 5/10/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, E. Acs	Project Manager: Robert Cataldo	Depth to Water: 5.0 ft
Physical Location: 1st Boring, Middle Transect 2		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1			moist	3	Fill		Dark Brown (7.5YR 3/3) fine to medium SAND, some Cobbles and Fill (brick, glass wood), little Silt, medium dense. No odor.	
2		0						
3		0						
4		0	moist	6	Fill		Brown (7.5YR 4/3) fine to coarse SAND, some Fill (ash, cinders, glass, wood), little fine to medium Gravel and Cobbles, trace organics, dense. No odor.	
5		0	moist	6	Fill		Very Dark Gray (7.5YR 3/1) fine to coarse SAND, some Fill (brick, ash, cinders, coal), some Silt, little fine to coarse Gravel, dense. Slight organic odor.	
6			wet	6	Fill		Dark Gray (10YR 4/1) FILL (ash and cinders), trace Coal fragments, loose. No odor.	
7	1.2		wet	6	Fill		No Recovery	
8								
9								
10		0						
11		0	wet	6	Fill		Dark Gray (10YR 4/1) FILL (ash and cinders), trace Coal fragments, loose. No odor.	
12	1.1		moist	3	Fill		Very Dark Gray (10YR 3/2) SILT, some fine Sand, trace fine Gravel, soft. No odor.	
13			moist	3	Fill		No Recovery	
14								
15		0						
16		0	moist	7	PT-OH		Dark Gray (10YR 4/1) CLAY, interbedded with Peat, organic, trace Silt, stiff. No odor.	
17	2.2							
18		0	moist	7	PT-OH		No Recovery	
19								
20		0						
21			moist	7	PT-OH		Dark Gray (10YR 4/1) CLAY, interbedded with Peat, organic, trace Silt, stiff. No odor.	
22	0.5		moist	7	PT-OH		No Recovery	
23								
24								
25								
26							End of boring at 25 ft.	
27								
28								
29								
30								
31								
32								
33								
34								
35								

Comments: No COPR/GGM identified at this location.

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Boring ID: SCB-07

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610484.726
Date Started Drilling: 5/10/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682114.103
Date Finished Drilling: 5/11/2011	Core Size: 2 in	Boring Total Depth: 35 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 3.4/31.8 ft
Physical Location: 2nd Boring in Transect 2		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		Dark Brown (7.5YR 3/2) fine to medium SAND, little Silt, fine to medium Gravel and Fill (brick, glass, debris), trace Organics, medium dense. No odor.	
2								
3		0						
4		0	wet	3	Fill		Dark Brown (7.5YR 3/2) fine to coarse SAND, some Cobbles, little Fill (brick glass, debris), trace fine Gravel and Silt, medium dense. No odor.	
5		0	wet	3	Fill		Black (7.5YR 2.1) fine to medium SAND, little Silt, fine to medium Gravel and Fill (concrete, ash, cinders), trace Organics, medium dense. Slight MGP odor.	
6			wet	6	Fill		Very Dark Gray (10YR3/1) FILL (coal ash and cinders), some Silt, trace coal fragments, loose. No odor.	
7	1.1		wet	6	Fill		No Recovery	
8								
9								
10		0						
11			wet	3	Fill		Dark Grayish Brown (10YR 3/2) SILT, little medium to fine Sand, trace Cinders, loose. No odor.	
12	0.7		wet	3	Fill		No Recovery	
13								
14								
15		0						
16		0	wet	3	Fill		Dark Grayish Brown (10YR 3/2) SILT, some medium to fine Sand, trace Cinders, loose. No odor.	
17	1.6		wet	3	Fill		Brown (7.5YR 5/3) SILT, trace medium Sand and fine angular Gravel, slightly mottled, very soft. No odor.	
18							No Recovery	
19								
20		0						
21		0	wet	3	Fill		Brown (7.5YR 5/3) SILT, trace medium Sand and fine angular Gravel, slightly mottled, very soft. No odor.	
22	2.3	1.3	wet	3	Fill		Very Dark Gray (10YR 3/2) SILT, trace medium Sand and fine angular Gravel, slightly mottled, very soft. No odor.	
23			moist	12	Canal Bottom		Dark Gray (10YR 4/1) Silty CLAY, some black staining at 22.0'-22.1', trace Organics and medium round Gravel, moderately firm. Slight sulfur odor.	
24			moist	12	Canal Bottom		No Recovery	
25		1.1						
26	2.9	1.2	moist	7	PT-OH		Dark Gray (10YR 4/1) organic CLAY, trace Organics and medium rounded Gravel, moderately firm. Slight sulfur odor.	
27		0						
28			moist	9	CL-ML		Greenish Gray (GLEY 1 5/1) CLAY AND SILT, trace interbedded medium Sand, firm. No odor.	
29			moist	9	CL-ML		No Recovery	
30		0						
31	1.9	0	moist	10	SM		Brown (7.5YR 4/2) fine SAND, trace medium Sand, moderately dense. No odor.	
32			wet	10	SM		Red (2.5YR 5/6) very fine SAND, moderately dense, moist to wet at 31.8'. No odor.	
33			wet	10	SM		No Recovery.	
34								
35							End of Boring at 35 ft.	

Comments: No COPR/GGM identified at this location. Canal Bottom from 22.0-22.3 ft.

PPG - GINT STD US LAB.GDT - 11/3/11 14:36 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT\PPG-NJC\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT.L



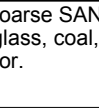


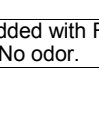

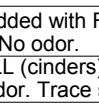

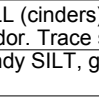

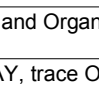

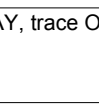
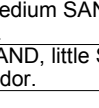
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Boring ID: SCB-09

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610423.322
Date Started Drilling: 5/11/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682141.347
Date Finished Drilling: 5/11/2011	Core Size: 2 in	Boring Total Depth: 30 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 4.0 ft
Physical Location: 4th Boring in Transect 2		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number				
1		0	dry	3	Fill		Dark Brown (7.5YR 3/2) fine to coarse SAND, some fine to medium Gravel, little Fill (brick, glass, coal, debris), trace Organics, medium dense. No odor.					
2												
3		0.2	moist	3	Fill				Black (10YR 2/1) fine to medium SAND, little Silt, little fine to coarse Gravel, little Cobbles and Fill (coal, brick, organics, debris), medium dense. Slight petroleum odor.			
4												
5		1.1	wet	3	Fill				Black (10YR 2/1) fine to medium SAND, some Silt, little fine to medium Gravel and Fill (coal, debris), medium dense. Strong MGP odor.			
6	0.3	moist	3	Fill		Brown (7.5YR 4/2) SILT, interbedded with Fill (concrete, coal, cinders) some fine Sand, loose. No odor.						
7												
8	1.9	moist	3	Fill				No Recovery				
9												
10									0			
11	2	0	wet	3	Fill		Brown (7.5YR 4/2) SILT, interbedded with Fill (concrete, coal, cinders) some fine Sand, loose. No odor.					
12			wet	6	Fill				Very Dark Gray (2.5YR 3/10) FILL (cinders), some Silt, little ash and coal fragments, loose. No odor. Trace sheen.			
13												
14												
15		0.1										
16	1.7	0.1	wet	6	Fill		Very Dark Gray (2.5YR 3/10) FILL (cinders), some Silt, little ash and coal fragments, loose. No odor. Trace sheen.					
17			moist	7	OH				Dark Brown (7.5YR 3/2) fine Sandy SILT, graded to Silty CLAY, moderate dense. Sulfur odor.			
18			moist	7	OH							
19												
20		39										
21	2.5	12.5	moist	7	PT		Reddish Brown (5YR 4/4) PEAT and Organics, trace Silty Clay, moderately dense. Sulfur odor.					
22			moist	7	OH				Dark Gray (7.5YR 4/1) Silty CLAY, trace Organics, semi-cohesive. Sulfur odor.			
23			moist	7	OH							
24												
25		0.8										
26	3.3	4.6	moist	7	OH		Dark Gray (7.5YR 4/1) Silty CLAY, trace Organics, semi-cohesive. Sulfur odor.					
27		0										
28			moist	8	SM				Dark Gray (7.5YR 4/1) fine to medium SAND, little Silt and fine rounded Gravel, dense. No odor.			
29			moist	10	SM							
30			moist	10	SM					Reddish Brown (5YR 4/4) fine SAND, little Silt, trace medium sub-angular Gravel, dense. No odor.		
31							No Recovery					
32							End of Boring at 30 ft.					
33												
34												
35												

Comments: No COPR/GGM identified at this location.

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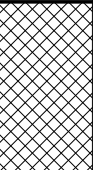
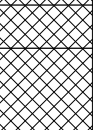
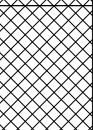
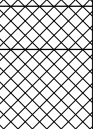
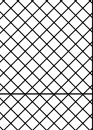
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Boring ID: ICO-10 / SCB-10

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610384.699
Date Started Drilling: 5/11/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682154.517
Date Finished Drilling: 5/11/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 10 ft
Physical Location: Southern Canal Area		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number	
1		0	dry to moist	3	Fill		Brown (7.5YR 4/2) fine to coarse SAND, some to little Silt, little fine to medium Gravel and Fill (glass, brick), trace organics, medium dense. No odor.	ICO-10_0.5	
2		0						ICO-10_2.0	
3									
4		0		ICO-10_4.0X					
5		0	moist	3	Fill			Very Dark Brown (7.5YR 2.5/2) very fine to medium SAND, some fine to medium Gravel, little Fill (ash, cinder), medium dense. No odor. Yellowish Red (5YR 4/6) to Dark Reddish Gray (5YR 4/2) SILT, some fine Sand, little Cobbles and Brick, soft/dense. No odor.	ICO-10_4.0
6	0	moist	3	Fill	ICO-10_6.0				
7	2		moist	3	Fill	No Recovery			
8									
9									
10		0				ICO-10_10.0			
11	1		wet to moist	3	Fill		Yellowish Red (5YR 4/6) to Dark Reddish Gray (5YR 4/2) SILT, some fine Sand, little Cobbles and Brick, soft/dense. No odor. Wet at 10.3'. No Recovery		
12			moist wet	3	Fill				
13									
14									
15			0					ICO-10_15.0	
16	2		wet	3	Fill		Yellowish Red (5YR 4/6) to Dark Reddish Gray (5YR 4/2) SILT, some fine Sand, little Cobbles and Brick, very soft/dense. No odor. Black-stained CLAY with trace Coal fragments, graded to Brown (7.5YR 4/2) very fine Silty SAND, stiff to loose. No odor. No Recovery	ICO-10_16.0	
17			moist moist	3	Fill				
18				3	Fill				
19									
20			0					ICO-10_20.0	
21	3.1		wet	3	Fill		Brown (7.5YR 4/2) very fine SAND, little Silt, loose. No odor.		
22			0	moist	7		OH	Dark Gray (7.5YR 4/1) CLAY, trace Silt and Organics, shells, cohesive, firm. Sulfur odor.	
23									
24			moist	7	OH		No Recovery		
25									
26						End of Boring at 25 ft.			
27									
28									
29									
30									
31									
32									
33									
34									
35									

Comments: No GGM/COPR identified at this location

PPG - GINT STD US LAB.GDT - 11/3/11 14:36 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L



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Boring ID: SCB-11

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610563
Date Started Drilling: 5/11/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682207.424
Date Finished Drilling: 5/12/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5.3 ft
Physical Location: 1st Boring in Transect 1		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		Reddish Brown (5YR 4/4) fine to coarse SAND, some fine Gravel, little Fill (brick, coal debris), loose. No odor.	
2		0						
3		0	moist	3	Fill		Brown (7.5YR 5/2) fine to coarse SAND, some fine to coarse angular Gravel, little Fill (brick, coal, slag), trace Silt, medium dense. No odor.	
4		0	moist	6	Fill		Brown (7.5YR 5/2) FILL (ash and cinders), some fine to medium Gravel, little Fill (brick, coal, slag), medium dense. No odor.	
5		0	moist	3	Fill		Dark Gray (7.5YR 4/1) SILT and very fine SAND, trace Fill (ash and cinders), soft. No odor.	
6	1.2		wet	3	Fill		Dark Grayish Brown (10YR 4/2) fine SAND, some Silt, trace coal ash at 6.0' to 6.2', moist to wet at 5.3'. No odor.	
7							No Recovery	
8								
9								
10		0						
11	1.4	0	wet	6	Fill		Dark Grayish Brown (10YR 4/2) to Black FILL (cinders), little Silt, trace Ash interbedded with Silt, loose. No odor.	
12			wet	6	Fill		No Recovery	
13								
14								
15		0						
16	1.3	3.6	wet	6	Fill		Dark Grayish Brown (10YR 4/2) to Black FILL (cinders), little Silt, trace Ash interbedded with Silt, loose. No odor.	
17			moist	7	PT		Dark Brown (10YR 3/3) PEAT, Organics, little Silty Clay, semi-cohesive, moderately firm. Sulfur odor.	
18			moist	7	PT		No Recovery	
19								
20		68.5						
21	3.5	15.5	moist	7	PT		Dark Brown (10YR 3/3) PEAT, Organics, little Silty Clay, black staining 20.0' to 21.0', semi-cohesive, moderately firm. Sulfur odor.	
22		7.6	moist	7	OH		Dark Gray (2.5YR 4/1) CLAY, some Silt, trace Organics, semi-cohesive, moderately firm. No odor.	
23								
24			moist	9	OL		Dark Gray (2.5YR 4/1) SILT, some fine Sand and Clay, moderately firm. Sulfur odor.	
25			moist	9	OL		No Recovery	
26							End of boring at 25 ft.	
27								
28								
29								
30								
31								
32								
33								
34								
35								

Comments: No COPR/GGM identified at this location.

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Boring ID: ICO-08 / SCB-12

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610546.215
Date Started Drilling: 5/12/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682222.578
Date Finished Drilling: 5/12/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5.0 ft
Physical Location: Southern Canal Area		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		Brown (7.5YR 4/3) fine to coarse SAND, some fine to medium Gravel and Fill (brick, ash, glass, slag), loose. No odor.	ICO-8_0.5
2		0						ICO-8 2.0
3			moist	3	Fill		Brown (7.5YR 4/3) fine to coarse SAND, some fine to medium angular Gravel, little Fill (brick, glass, slag, debris), trace organics, medium dense. No odor.	
4		0						ICO-8 4.0
5		0	moist	3	Fill		Reddish Brown (5YR 4/3) fine to medium SAND, little Silt, some fine Gravel, trace Fill (brick, coal, ash), medium dense. No odor.	
6			moist to wet wet	6	Fill		Brown SILT interbedded with Black ASH and CINDERS, trace fine angular Gravel, loose to med dense. No odor. Wet at 5.3'.	ICO-8 6.0
7	1						No Recovery	
8								
9								
10		0						ICO-8 10.0
11			wet	3	Fill		Black fine to medium SAND, some Silt, little Fill (cinders, ash, coal fragments), medium dense. No odor.	
12			wet	3	Fill		No Recovery	
13	1.2							
14								
15		2						ICO-8 15.0
16		0.5	wet	3	Fill		Brown (7.5YR 4/3) SILT and fine to medium SAND, little coarse Sand, soft/loose. No odor.	ICO-8 16.0
17		0.5						
18	4.3	1.2	wet	3	Fill		Black stained SILT, trace Organics, fine angular Gravel, and Clay, soft. Slight coal tar odor.	
19			moist	7	PT		Dark Brown (10YR 3/3) PEAT, organics, little Silty Clay, semi-cohesive, medium stiff. Sulfur odor.	
20		0.1	moist	7	PT		No Recovery	
21			moist	9	CL		Dark Gray (2.5yr 4/1) Silty CLAY, trace organics, cohesive, medium stiff. Sulfur odor.	
22	0.3		moist	9	CL		No Recovery	
23								
24								
25								
26							End of boring at 25 ft.	
27								
28								
29								
30								
31								
32								
33								
34								
35								

Comments: No GGM/COPR identified at this location.

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Boring ID: SCB-13

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610523.789
Date Started Drilling: 5/12/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682241.757
Date Finished Drilling: 5/12/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5.0 ft
Physical Location: 3rd Boring in Transect 1		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		Dark Brown (7.5YR 3/2) fine to medium SAND, some fine to medium angular Gravel, little Fill (brick, glass, coal, debris), loose. No odor.	
2								
3		0	moist	3	Fill		Brown (7.5YR 5/4) fine SAND and SILT, little fine to medium Gravel, trace Fill (brick, coal), medium stiff. No odor.	
4		0	moist	6	Fill		Very Dark Gray (7.5YR 3/1) FILL (ash, cinders), some fine to coarse Sand and fine to medium Gravel, little Cobbles, trace Fill (brick, coal), medium dense. No odor.	
5		0.2					Black ASH and CINDERS, loose. No odor.	
6			wet	6	Fill			
7	0.1							
8								
9								
10		0.1						
11		5.6	wet	6	Fill		Black FILL, (ash and cinders), little Silt, loose. No odor.	
12		3.1	wet	6	Fill		Light Olive Gray (5YR 6/2) to White to stained-Black FILL (ash, trace cinders), 10.2' to 10.6' appears to have yellow water, very loose. Slight coal tar odor.	
13	2.5		moist	3	Fill		Dark Grayish Brown (10YR 4/2) Clayey SILT, little Organics, trace medium Gravel, medium soft. No odor.	
14			moist	3	Fill		No Recovery	
15		1.6						
16		2	wet	3	Fill		Black (stained) SILT, little Clay, semi-cohesive, very soft, wet to moist. Slight coal tar odor. (Canal Bottom)	
17		2	wet	12	Canal Bottom		Olive (5YR 5/3) coarse SAND, little Silt, loose. No odor.	
18	4	1.2	moist	12	Canal Bottom		Black (stained) SILT, little Clay, trace coal fragments, semi-cohesive, very soft. Slight coal tar odor. (Canal Bottom)	
19			moist	7	PT		Dark Brown (10YR 3/3) PEAT, some to little Silty Clay, cohesive, medium soft. No odor.	
20		0.3	moist	7	PT		No Recovery	
21			moist	7	OH		Dark Gray (2.5YR 4/1) Silty CLAY, trace Organics, cohesive, moderately firm, moist. Sulfur odor.	
22			moist	7	OH		No Recovery	
23	0.2							
24								
25								
26							End of boring at 25 ft.	
27								
28								
29								
30								
31								
32								
33								
34								
35								

Comments: Potential Cr+6 water at 10.2-10.6 ft. No GGM/COPR identified at this location. Canal Bottom from 15-18.5 ft.

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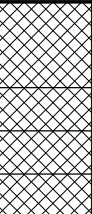
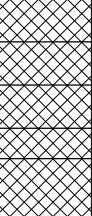
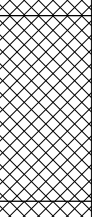
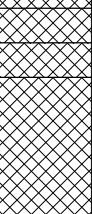
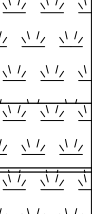
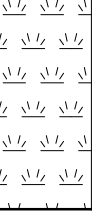
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Boring ID: SCB-14

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610504.327
Date Started Drilling: 5/12/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682251.133
Date Finished Drilling: 5/13/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5.5 ft
Physical Location: 4th Boring in Transect 1		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number	
1		0	dry	3	Fill		Brown (7.5YR 5/4) very fine SAND, little Silt, little Fill (glass, debris), loose, no odor		
2		0	dry	6	Fill			Dark Reddish Gray (5YR 4/2) FILL (ash, cinders, clinker), some slag, glass and coal Fill, loose, no odor Brown (7.5YR 4/3) very fine SAND and SILT, little Fill (ash and cinders), trace fine to medium Gravel, medium dense. No odor. Gray (7.5YR 6/1) FILL (ash and cinders), some fine to coarse Sand, little fine to coarse Gravel, medium dense. No odor. Brown (7.5YR 5/2) FILL (ash and cinders, coal fragments, ceramics), some Silt, loose. No odor. Wet at 5.5 ft. No Recovery	
3									
4									
5									
6	0.7	0	moist to wet wet	6	Fill				
7				6	Fill				
8									
9									
10				0.6					
11	1.6	0.4	wet	6	Fill		Brown (7.5YR 5/2) FILL (ash, cinders, coal fragments, ceramics), some Silt, loose. No odor. Brown (7.5YR 5/4) SILT and fine SAND, trace coarse Sand, trace fine angular Gravel, soft. No odor. No Recovery		
12			wet	3	Fill				
13			wet	3	Fill				
14									
15									
16	3.5	1.5	wet	3	Fill		Brown (7.5YR 5/4) SILT and medium to coarse SAND, lense of White Ash at 15.2' to 15.3', Black-stained from 15.7' to 16.0', soft. No odor. Dark Brown (10YR 3/3) PEAT, organics, little Silty Clay, semi-cohesive. Sulfur odor. No Recovery		
17		6.4	moist	7	PT				
18									
19			moist	7	PT				
20									
21	0.1		moist moist	7	PT		Dark Brown (10YR 3/3) PEAT, organics, little Silty Clay, semi-cohesive. Sulfur odor. No Recovery		
22									
23									
24									
25									
26							End of boring at 25 ft.		
27									
28									
29									
30									
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32									
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34									
35									

Comments: No COPR/GGM identified at this location.

PPG - GINT STD US LAB.GDT - 11/3/11 14:36 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT\PPG-NJC\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L



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Boring ID: SCB-15

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Airknife/Geoprobe	Coordinates (NJSPNAD83) x: 610490.241
Date Started Drilling: 5/13/2011	Rig Type: Airknife/Geoprobe	Coordinates (NJSPNAD83) y: 682260.667
Date Finished Drilling: 5/13/2011	Core Size: 2 in	Boring Total Depth: 25 ft
Logged By: B. Daniels, M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 6.0 ft
Physical Location: 5th Boring in Transect 1		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1		0	dry	3	Fill		Reddish Brown (5YR 4/3) very fine SAND and SILT, little fine to medium Gravel, little Fill (coal, glass, debris), medium dense. No odor.	
2		0	dry	6	Fill		Gray (5YR 4/3) FILL (ash and cinder), some fine to coarse Sand, little fine to medium Gravel, some Fill (glass, clinker, slag), loose. No odor.	
3		0	moist	3	Fill		Reddish Brown (5YR 4/3) very fine to medium SAND, little fine to medium Gravel, little Fill (coal, ash, debris), medium dense. No odor.	
4		0	moist	3	Fill		Brown (7.5YR 4/4) very fine SAND and SILT, little fine to medium Gravel, little Clay and Fill (coal, glass, debris), medium dense. No odor.	
5		0	moist	3	Fill		Reddish Brown (5YR 4/3) SILT, little fine to coarse Sand and Clay, medium stiff to soft, wet at 6.0'. No odor.	
6		0	wet	3	Fill		No Recovery	
7	3	0						
8			wet	3	Fill			
9								
10		0						
11			wet	3	Fill		Reddish Brown (5YR 4/3) fine SAND and SILT, some medium angular Gravel interbedded, medium dense. No odor.	
12			wet	3	Fill		No Recovery	
13	1.1							
14								
15		0						
16		6.2	wet	3	Fill		Reddish Brown (5YR 4/3) fine SAND and SILT, some medium angular Gravel interbedded, medium dense. No odor.	
17		12.8	moist	3	Fill		Light Brownish Gray (10YR 6/2) to Reddish Brown (2.5YR 4/3) fine SAND, little fine angular Gravel, loose. No odor.	
18	3		moist	7	PT		Brown (7.5YR 4/2) to Dark Grayish Brown (10YR 4/2) PEAT, organics, some to little Silty Clay, semi-cohesive. Sulfur odor.	
19			moist	7	PT		No Recovery	
20		4.3						
21		6.2	moist	7	OH		Dark Grayish Brown (10YR 4/2) Silty Clay, little to trace organics, interbedded Silt and Sand at 23.5' to 24.0', moist (wet at 23.5' to 24.0'). Sulfur odor.	
22	4.5	5.8						
23		0.3						
24								
25			moist	7	OH		No Recovery	
26							End of boring at 25 ft.	
27								
28								
29								
30								
31								
32								
33								
34								
35								

Comments: No COPR/GGM identified at this location.

PCB Investigation Borings

PPG - GINT STD US LAB.GDT - 11/4/11 13:11 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L



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Boring ID: 114-PB1302

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611574.36
Date Started Drilling: 5/5/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683562.47
Date Finished Drilling: 5/5/2011	Core Size: 2 in	Boring Total Depth: 20 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 0.3 ft
Physical Location: On-site PCB investigation		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	1.6	0	wet	3	Fill		Black to Dark Grayish Brown (10YR 4/2) fine to medium SAND, little Silt, fine Gravel, concrete and plastics, loose. No odor. Wet at 0.3 ft.	114-PB1302_0.0
2			wet	3	Fill		No Recovery	
3								
4								
5	1.4	6						
6			wet	3	Fill		Black-stained fine crushed GRAVEL and Ceramics, little Silt and fine to medium Sand, loose. Slight coal tar odor	
7			wet	3	Fill		No Recovery	
8								
9	1.5	58.7						
10								
11			wet	3	Fill		Same as above.	
12			wet	3	Fill		Black-stained WOOD fragments and Dark Yellowish Brown (10YR 4/4) SILT, soft. Coal tar odor.	114-PB1302_11.5
13	3.3	147					No Recovery	
14								
15								
16			wet	3	Fill		Same as above, trace organics and mottled with Light Gray Silt, soft. Coal tar odor.	
17		62.7						
18			wet	11	GP		Reddish Brown (2.5YR 4/4) medium angular GRAVEL and interbedded fine SAND, medium dense. Slight coal tar odor	
19			wet	11	GP		No Recovery	
20								
21							End of boring at 20 ft.	
22								
23								
24								
25								
26								
27								
28								
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Comments: 1st Attempt - Refusal at 10 ft. 2nd Attempt - Refusal at 7.5 ft. No COPR/GGM identified at this location.

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Boring ID: 114-PH11

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611558.172517
Date Started Drilling: 5/31/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683537.032033
Date Finished Drilling: 5/31/2011	Core Size: 2 in	Boring Total Depth: 15 ft
Logged By: B. Daniels	Project Manager: Robert Cataldo	Depth to Water: 1.5 ft
Physical Location: On-site PCB investigation		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	3.1	0	moist	4B	Fill		Reddish Brown (5YR 4/3) fine to coarse SAND and fine rounded GRAVEL (50% COPR), loose. No odor.	114-PH11_00
2		0	wet	4B	Fill		Reddish Brown (5YR 4/4) SILT and fine SAND, little fine rounded Gravel (30% COPR), stiff. No odor.	114-PH11_02
3								
4	4.5		wet	4B	Fill		No Recovery	
5		0						
6		0	wet	3	Fill		Reddish Brown (5YR 4/4) fine SAND and SILT, some fine to medium sub-angular Gravel, stiff. No odor.	
7	2	0						114-PH11_07
8		0	wet	3	Fill		Very Dark Grayish Brown (10YR 3/2) fine SAND and SILT, some fine to medium angular Gravel, stiff. No odor.	
9			wet	6	Fill		Black ASH and CINDERS, loose. No odor.	114-PH11_09
10		0	wet	6	Fill		No Recovery	114-PH11_02
11		0	wet	6	Fill		Black-stained CINDERS, some fine Gravel and Coal fragments, trace Silt, loose. No odor.	114-PH11_11
12			wet	7	PT		Very Dark Gray (10YR 3/1), CLAY, some Silt, trace organics, stiff. Slight sulfur odor.	
13			wet	7	PT		No Recovery	
14								
15								
16							End of boring at 15 ft.	
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Comments: COPR identified from 0.0 - 3.1 ft

PPG - GINT STD US LAB.GDT - 11/3/11 14:55 - \\USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT\PPG-NJC\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L



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Boring ID: 114-PH12

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611567.10459
Date Started Drilling: 5/31/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683532.535583
Date Finished Drilling: 5/31/2011	Core Size: 2 in	Boring Total Depth: 15 ft
Logged By: B. Daniels	Project Manager: Robert Cataldo	Depth to Water: 2.5 ft
Physical Location: On-site PCB investigation		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	3.5	0	dry	4B	Fill		Dark Reddish Brown (5YR 3/2) fine to medium SAND (25% COPR), little Silt, little fine to medium rounded Gravel, loose. No odor.	114-PH12_00
2		0	moist	4B	Fill		Strong Brown (7.5YR 4/1) fine to coarse SAND (25% COPR), little Silt, little fine to medium rounded Gravel, medium dense. No odor.	114-PH12_02
3			wet	3	Fill		Dark Reddish Brown (5YR 3/2) Silty CLAY, stiff. No odor.	
4			wet	3	Fill		No Recovery	
5	4	0						114-PH12_05
6		0	wet	3	Fill		Red (7.5YR 4/4) SILT, little Clay, little fine to medium Sand, medium stiff. No odor.	
7		0.3						
8		0	wet	3	Fill		Dark Brown (7.5YR 3/2) fine to coarse SAND, little Silt, some fine to medium angular Gravel, medium dense. Slight coal tar odor.	114-PH12_07
9			wet	6	Fill		Black-stained CINDERS, some fine Gravel, trace Silt, loose. Slight coal tar odor.	
10	2	0	wet	6	Fill		No Recovery	
11		0	wet	3	Fill		Same as above.	
12			wet	6	Fill		Light Brown (7.5YR 6/3) fine to medium SAND, some Silty Clay, medium dense. No odor.	
13			wet	7	PT		Black-stained CINDERS, some fine Gravel, loose. No odor.	
14			wet	7	PT		Black PEAT, little organics, trace Silty Clay, soft. Sulfur odor.	
15							No Recovery	
16							End of boring at 15 ft.	
17								
18								
19								
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21								
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Comments: COPR identified from 0.0 - 2.5 ft

PPG - GINT STD US LAB.GDT - 11/3/11 14:55 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT\PPG-NJC\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT.L



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Boring ID: 114-PH13

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611576.036664
Date Started Drilling: 5/31/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683528.039133
Date Finished Drilling: 5/31/2011	Core Size: 2 in	Boring Total Depth: 15 ft
Logged By: B. Daniels	Project Manager: Robert Cataldo	Depth to Water: 2.5 ft
Physical Location: On-site PCB investigation		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	3.3	0	moist	4B	Fill		Dark Brown (7.5YR 3/2) fine to coarse SAND and SILT (20% COPR), some fine to medium sub-angular Gravel, dense. No odor.	114-PH13_00
2		0						114-PH13_02
3		0	wet	4B	Fill		Dark Brown (7.5YR 3/2) fine to coarse SAND (30% COPR), little Silt, some fine rounded Gravel, dense. No odor.	
4	2.5		wet	4B	Fill		No Recovery	
5		0						114-PH13_05
6		5.6	wet	4B	Fill		Dark Brown (7.5YR 3/2) fine to coarse SAND (30% COPR), little Silt, some fine to coarse rounded to sub-angular gravel, medium dense.	
7	3.5	5.6	wet	3	Fill		Very Dark Brown (7.5YR 2.5/3) fine to medium SAND and SILT, little fine angular Gravel, medium dense, sheen. Oil odor.	114-PH13_07
8			wet	3	Fill		No Recovery	
9								
10		14.8						
11			wet	6	Fill		Black ASH and CINDERS, loose, visible oil-staining. Oil odor.	114-PH13_011
12								
13								
14			wet	7	PT		Black PEAT, little organics, trace Silty Clay, soft. Oil and sulfur odor.	
15			wet	7	PT		No Recovery	
16							End of boring at 15 ft.	
17								
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Comments: COPR identified from 0.0 - 6.0 ft

PPG - GINT STD US LAB.GDT - 11/3/11 14:55 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT\PPG-NJC\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L



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Boring ID: 114-PI11

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611562.668967
Date Started Drilling: 5/6/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683545.964107
Date Finished Drilling: 5/6/2011	Core Size: 2 in	Boring Total Depth: 10 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5.0 ft
Physical Location: On-site PCB investigation		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	2	0	moist	4A	Fill		Reddish Brown (5YR 4/3) SILT (100% COPR), trace Concrete (stained Lime Green) and Wood, soft. No odor.	114-PI11_00
2								114-PI11_02
3			moist	4A	Fill		No Recovery	
4								
5	3.6	0						114-PI11_05
6		0	wet	4A	Fill		Same as above, wet.	
7		0						
8		0	wet	6	Fill		Very Dark Gray (5YR 3/1) SILT and CINDERS, little angular fine Gravel, loose. No odor.	
9			wet	6	Fill		No Recovery	
10								
11							End of boring at 10 ft.	
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Comments: COPR identified from 0.0 - 7.5 ft

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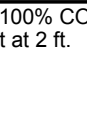

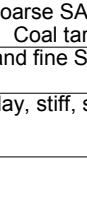

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Boring ID: 114-PI12

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611571.60104
Date Started Drilling: 5/6/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683541.467656
Date Finished Drilling: 5/31/2011	Core Size: 2 in	Boring Total Depth: 15 ft
Logged By: M. Merdinger, B. Daniels	Project Manager: Robert Cataldo	Depth to Water: 2.0 ft
Physical Location: On-site PCB investigation		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	3	0	moist to wet	4A	Fill		Reddish Brown (5YR 5/3) SILT (100% COPR), trace Coal Ash and Cinders, soft. No odor. Wet at 2 ft.	114-PI12_00
2		0						114-PI12_02
3		1	0	wet	4A		Fill	No Recovery
4								
5				114-PI12_05				
6	3.7	3.8	wet	4B	Fill		Same as above, with some Coal Ash and Cinders, loose. No odor.	
7			wet	4B	Fill		No Recovery	114-PI12_07
8								
9								
10								114-PI12_10
11	3.7	1.1	wet	3	Fill		Dark Brown (7.5YR 3/2) fine to coarse SAND and fine to medium GRAVEL, loose, sheen. Coal tar odor.	114-PI12_11
12		0.8	wet	3	Fill		Reddish Brown (5YR 4/3) SILT and fine SAND, medium stiff. Slight coal tar odor.	
13		0.8	wet	3	Fill		Brown (7.5 YR 4/3) SILT, little Clay, stiff, sheen. Coal tar odor.	
14								
15			wet	3	Fill		No Recovery	
16							End of boring at 15 ft.	
17								
18								
19								
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Comments: COPR identified from 0.0 - 6.0 ft

PPG - GINT STD US LAB.GDT - 11/3/11 14:55 - \\USPSW2\FP001\DATA_USPSW2\FP001\ENVIRONMENT\PISCATAWAY\PROJECT\PPG-NJC\PROGRAM9-WORKFILES\PROJECT\PPG-NJC\PROJECT MANAGER-CATALDO\BGA RI-SOIL INVESTIGATION\FIELD WORKING LOGS\GINT L



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Boring ID: 114-PI13

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611580.533114
Date Started Drilling: 5/6/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683536.971206
Date Finished Drilling: 5/6/2011	Core Size: 2 in	Boring Total Depth: 10 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5.0 ft
Physical Location: On-site PCB investigation		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	2.5	0.4	dry	4B	Fill		Reddish Brown (5YR 4/3) SILT, little medium Sand and fine angular Gravel (40% COPR), loose. No odor.	114-PI13_00
2			dry	1	Fill		Weathered CONCRETE, stained-Lime Green at 0.7-0.9 ft, loose. No odor.	114-PI13_02
3			moist	4B	Fill		Teal Green SILT interbedded with Reddish Brown (2.5YR 4/4) fine Gravel and Silt (70% COPR), soft/loose. No odor.	
4			moist	4B	Fill		No Recovery	
5	1	0						114-PI13_05
6			wet	4B	Fill		Dark Reddish Brown (7.5YR 3/3) crushed fine to medium Gravel (5-10% COPR), some Silt, loose. No odor.	
7			wet	4B	Fill		No Recovery	
8								
9								
10								
11							End of boring at 10 ft.	
12								
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Comments: COPR and Cr+6 staining identified from 0.0 - 6.0 ft

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Boring ID: 114-PJ11

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611567.165862
Date Started Drilling: 5/6/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683554.897063
Date Finished Drilling: 5/6/2011	Core Size: 2 in	Boring Total Depth: 10 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 0.6 ft
Physical Location: On-site PCB investigation		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	1.2	0	dry	4B	Fill		Dark Brown (7.5YR 3/3) SILT, some medium Gravelly Sand (50% COPR nodules), loose. No odor.	114-PJ11_00
2			wet	4A	Fill		Reddish Brown (5YR 4/4) SILT (90-100% COPR), little fine Sand, soft. No odor.	114-PJ11_01
3			wet	4A	Fill		No Recovery	
4	2	7.8						
5								114-PJ11_05
6			wet	4A	Fill		Reddish Brown (5YR 4/4) fine to medium rounded GRAVEL (90-100% COPR nodules), trace Silt and fine Sand, loose. No odor.	
7			wet	6	Fill		Black-stained CINDERS, little Silt, loose, sheen. Coal tar odor.	
8			wet	6	Fill		No Recovery	
9								
10								
11							End of boring at 10 ft.	
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Comments: COPR identified from 0.0-6.0 ft

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Boring ID: 114-PJ12

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611576.120651
Date Started Drilling: 5/6/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683550.388071
Date Finished Drilling: 5/31/2011	Core Size: 2 in	Boring Total Depth: 15 ft
Logged By: M. Merdinger, B. Daniels	Project Manager: Robert Cataldo	Depth to Water: 1.5 ft
Physical Location: On-site PCB investigation		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	2.2	0	dry	3	Fill		Dark Brown (7.5YR 3/3) SILT, some Wood and weathered Concrete, loose. No odor.	114-PJ12_00
2			wet	3	Fill		Brick and Reddish Brown (2.5YR 4/3) fine angular Gravel, little Silt, medium dense. No odor.	114-PJ12_02
3			wet	3	Fill		No Recovery	
4	0.6	94.2						
5								114-PJ12_05
6			wet	4B	Fill		Black-stained medium crushed FILL (cinders, coal), some large COPR nodules (ping-pong ball sized)(40% COPR), loose. Coal tar odor.	114-PJ12_06.5
7	2.8	57.3	wet	4B	Fill		No Recovery	
8								
9								
10	2.8	2.1						114-PJ12_10
11			wet	3	Fill		Black crushed FILL, fine to coarse SAND, little fine angular Gravel, loose. Coal tar odor.	114-PJ12_11
12			wet	7	PT		Black (5YR 2.5/1) CLAY, trace organics, soft. Coal tar odor.	
13			wet	7	PT		Dark Grayish Brown (10YR 4/2) CLAY, little Silt, stiff. No odor.	
14							No Recovery	
15								
16							End of boring at 15 ft.	
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Comments: COPR identified from 5.0 - 5.6 ft

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Boring ID: 114-PJ13

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611585.029564
Date Started Drilling: 5/6/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683545.90328
Date Finished Drilling: 5/6/2011	Core Size: 2 in	Boring Total Depth: 10 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 5.0 ft
Physical Location: On-site PCB investigation		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	2	0	dry	4B	Fill		Dark Brown (7.5YR 3/3) SILT, little fine Sand, trace fine angular Gravel and COPR nodules (>5%), loose. No odor.	114-PJ13_00
2			moist	4B	Fill		Reddish Brown (2.5YR 4/4) COPR and fine to medium Sand (60%), little interbedded teal Silt, moist, loose. No odor.	114-PJ13_02
3			moist	4B	Fill		No Recovery	
4	1.3	0.7						
5								114-PJ13_05
6			wet	6	Fill		Black medium crushed FILL (cinders, slag, coal, gravel), trace Silt, loose, sheen. Coal tar odor.	
7			wet	6	Fill		No Recovery	
8								
9								
10								
11							End of boring at 10 ft.	
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Comments: COPR identified from 0.0 - 2.0 ft

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Boring ID: 114-PK11

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611571.642462
Date Started Drilling: 5/6/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683563.838022
Date Finished Drilling: 5/6/2011	Core Size: 2 in	Boring Total Depth: 10 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 0.6 ft
Physical Location: On-site PCB investigation		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	1.5	0.5	dry	4B	Fill		Bright/Lime Green-stained CONCRETE (weathered) and Reddish Brown (2.5YR 3/3) Gravelly SILT (80% COPR), loose. No odor. Stained-Black fine SAND, little medium Sand, trace Silt, loose. No odor. No Recovery	114-PK11_00
2			wet	3	Fill			
3			wet	3	Fill			
4								
5	1.5	15.8					Black-stained fine crushed FILL (gravel, brick, coal, cinders), little Silt, loose. Strong coal tar odor. No Recovery	
6			wet	3	Fill			
7			wet	3	Fill			
8								
9								
10								
11							End of boring at 10 ft.	
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Comments: COPR and Cr+6 staining from 0.0-0.6 ft

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Boring ID: 114-PK12

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611580.581979
Date Started Drilling: 5/6/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683559.337825
Date Finished Drilling: 5/6/2011	Core Size: 2 in	Boring Total Depth: 10 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 1.0 ft
Physical Location: On-site PCB investigation		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	1.2	0	dry	3	Fill		Dark Brown (7.5 YR 3/3) SILT, little fine angular Gravel and fine Sand, trace Brick, loose. No odor.	114-PK12_00
2			wet	3	Fill		Black-stained fine SAND, little Silt, soft. Slight coal tar odor.	114-PK12_01
3			wet	3	Fill		No Recovery	
4								
5	1.3	41.5						114-PK12_05
6			wet	3	Fill		Stained-Black fine crushed FILL (gravel, brick, ceramic, glass) and SILT, loose. Strong coal tar odor. Saturated in Black viscous oil.	
7			wet	3	Fill		No Recovery	
8								
9								
10								
11							End of boring at 10 ft.	
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Comments: No COPR/GGM identified at this location.

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Boring ID: 114-PK13

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611589.526014
Date Started Drilling: 5/6/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683554.835353
Date Finished Drilling: 5/6/2011	Core Size: 2 in	Boring Total Depth: 7 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 1.8 ft
Physical Location: On-site PCB investigation		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	2.4	1.7	dry	3	Fill		Dark Brown (7.5YR 3/3) SILT interbedded with some Slag and weathered Concrete, loose. No odor.	114-PK13_00
2		1.1						114-PK13_02
3			wet	3	Fill		Brown (7.5YR 4/3) SILT, interbedded with trace Clay and fine Sand, soft. Slight coal tar odor.	
4			wet	3	Fill		No Recovery	
5	1	9.3						114-PK13_05
6			wet	3	Fill		Same as above.	
7			wet	3	Fill		Black-stained medium Gravel and SILT, trace Wood, loose, Product/water mix. Strong coal tar odor.	
8							No Recovery	
9							Refusal at 7 ft.	
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Comments: No COPR/GGM identified at this location.

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Boring ID: 114-PL11

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611576.164187
Date Started Drilling: 5/5/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683572.771986
Date Finished Drilling: 5/5/2011	Core Size: 2 in	Boring Total Depth: 10 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 0.3 ft
Physical Location: On-site PCB investigation		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	1	0.1	dry	3	Fill		Dark Brown (10YR 3/3) SILT, little Organics (wood and roots), soft. No odor. Black-stained Coal ASH and Cinders, loose. Slight coal tar odor. BRICK, little medium Silty Sand, loose. Slight coal tar odor. No Recovery	114-PL11_00
			wet	6	Fill			114-PL11_01
2			wet	3	Fill			
			wet	3	Fill			
3	1.7	7.6						
4								
5								114-PL11_05
6		24.2	wet	3	Fill		Black-stained fine crushed GRAVEL and Fill (ceramics, coal, cinders), little Silt, loose. Coal tar odor. No Recovery	
7								
8			wet	3	Fill			
9								
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11							End of boring at 10 ft.	
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Comments: No COPR/GGM identified at this location.

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Boring ID: 114-PL12

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611585.132794
Date Started Drilling: 5/5/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683568.242531
Date Finished Drilling: 5/5/2011	Core Size: 2 in	Boring Total Depth: 10 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 0.3 ft
Physical Location: On-site PCB investigation		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	1.3	0.3	wet	1	Fill		Pale Brown (10YR 6/3) weathered CONCRETE, loose. No odor.	114-PL12_00
2			wet	3	Fill		Wet at 0.3 ft	114-PL12_01
3			wet	3	Fill		Brown (10YR 4/3) SILT and medium SAND, little medium angular Gravel and Fill (wood fragments, brick), loose. No odor.	
4							No Recovery	
5	0.2	24.1						114-PL12_05
6			wet	3	Fill		Stained-Black crushed fine GRAVEL and SILT, little fine to medium Sand, loose. Strong coal tar odor. Reddish Brown	
7			wet	3	Fill		semi-viscous oil in water.	
8							No Recovery	
9								
10								
11							End of boring at 10 ft.	
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Comments: No COPR/GGM identified at this location.

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Boring ID: 114-PL13

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611594.022464
Date Started Drilling: 5/6/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683563.767426
Date Finished Drilling: 5/6/2011	Core Size: 2 in	Boring Total Depth: 10 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 1.5 ft
Physical Location: On-site PCB investigation		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	1.5	1.9	dry	3	Fill		Dark Brown SILT (7.5YR 3/3) trace Gravel and Glass, loose. No odor.	114-PL13_00
2			wet	6	Fill		Same as above, interbedded with Black CINDERS, loose. Slight coal tar odor. Wet at 1.5 ft.	114-PL13_01
3			wet	6	Fill		No Recovery	
4	0.3	6.7						
5								114-PL13_05
6			wet	3	Fill		Black-stained medium angular GRAVEL, little fine Sand and Silt, loose. Strong coal tar odor.	
7			wet	3	Fill		No Recovery	
8								
9								
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11							End of boring at 10 ft.	
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Comments: No COPR/GGM identified at this location.

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Boring ID: 114-PM11

Page: 1

Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611580.654768
Date Started Drilling: 5/6/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683581.6924
Date Finished Drilling: 5/6/2011	Core Size: 2 in	Boring Total Depth: 7 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 1.0 ft
Physical Location: On-site PCB investigation		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	1.7	0	moist	3	Fill		Dark Brown (7.5YR 3/2) SILT, some fine Sand, trace coarse Sand and coal fragments, dry to moist at 0.5 ft, loose. No odor. Dark Reddish Brown (5YR 3/3) medium to coarse SAND (80% COPR nodules), little Silt, trace Brick, loose. No odor. Wet at 1.0 ft. No Recovery	114-PM11_00
2			wet	4B	Fill			114-PM11_01
3			wet	4B	Fill			
4								
5	1	4.7					Dark Reddish Brown to Black (5YR 3/2) medium to coarse SAND (40% COPR nodules interbedded), some fine Gravel, little Silt, Black stain/sheen at 5.9 ft, loose. Slight coal tar odor. No Recovery	114-PM11_05
6			wet	4B	Fill			
7			wet	4B	Fill			
8							Refusal at 7 ft.	
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Comments: COPR identified from 0.9-6.0 ft

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Boring ID: 114-PM12

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611589.586841
Date Started Drilling: 5/6/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683577.19595
Date Finished Drilling: 5/6/2011	Core Size: 2 in	Boring Total Depth: 10 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 1.0 ft
Physical Location: On-site PCB investigation		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	1.3	0.1	moist	4B	Fill		Dark Reddish Brown (5YR 3/3) SILT and coarse SAND (40% COPR nodules), little fine Gravel, loose. No odor.	114-PM12_00
2			wet	6	Fill		Black-stained CINDERS, some fine Gravel, Coal, trace Silt, loose. Slight coal tar odor.	114-PM12_01
3			wet	6	Fill		No Recovery	
4								
5	1	4.6						114-PM12_05
6			wet	6	Fill		Same as above. Strong coal tar odor. Product/water mix.	
7			wet	6	Fill		No Recovery	
8								
9								
10								
11							End of boring at 10 ft.	
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Comments: COPR identified from 0.0-1.0 ft

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Boring ID: 114-PM13

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Project Name: PPG Soil RIWP	Drilling Company: SGS	
Project Number: 6015-4801	Drilling Method: Geoprobe	Coordinates (NJSPNAD83) x: 611598.518915
Date Started Drilling: 5/6/2011	Rig Type: Geoprobe	Coordinates (NJSPNAD83) y: 683572.6995
Date Finished Drilling: 5/6/2011	Core Size: 2 in	Boring Total Depth: 10 ft
Logged By: M. Merdinger	Project Manager: Robert Cataldo	Depth to Water: 1.0 ft
Physical Location: On-site PCB investigation		

(Note bgs = below ground surface)

Depth Range (ft bgs)	Recovery (ft/ft)	PID (ppm)	Moisture Content	GA Class	USCS	Graphic Log	Surface Cover and Thickness:	Sample Number
1	1.9	0.4	dry	3	Fill		Dark Brown (7.5YR 3/2) SILT, little fine Gravel, Wood and Brick fragments, loose. No odor.	114-PM13_00
2			wet	1	Fill		Stained-Green weathered CONCRETE (wet-pulverized). No odor.	114-PM13_01
3			wet	4B	Fill			
4	0.4	1	wet	4B	Fill		Dark Brown (7.5YR 3/2) fine to coarse SAND (10% COPR), some Coal fragments, loose. Slight coal tar odor.	
5							No Recovery	
6			wet	3	Fill		Stained black medium angular GRAVEL, little medium Sand and Coal fragments, loose, product/water mix. Strong coal tar odor.	114-PM13_05
7			wet	3	Fill			
8							No Recovery	
9								
10								
11							End of boring at 10 ft.	
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								

Comments: COPR and Cr+6 staining from 1.0-1.9 ft

Geotechnical Borings

AECOM		Project Number:		100154806.5006		Boring ID:		AE-1	
		Site:		PPG SITE 114, WESTERLMOST BORING IN HBLR ROW, NORTH OF PROPERTY LINE, OUTSIDE FENCE		Sheet:		1 of 3	
		Project Manager:		Logged By:		Drilling Method:		4 1/4" ID HSA	
Drilling Co.:		SCS		Driller:		Date Started:		7/6/11	
						Date Finished:		7/6/11	
						Ground Elev.:			
						Depth of Boring:		55' 5"	
						Water Level:		+1-8'	
Depth	Elevation	Blow Counts	Lab Sample ID	Recovery	Moisture	PID	USCS	Classification of Material	
feet	feet			Feet		ppm		USCS; Modified Burmeister	
			AE-1 (15-20) (35-40) (50-55)					PRECLEAR TO 5' 6" ASPHALT AND STONE 401 ASHCINDERS TO 4 FEET, COAL TAR LIKE ODR IN 3.5-40 SAMPLE REDDISH BROWN F-SAND AND SILT TO 5.5'	
6-8		2-1/2" 4	2-1/2" AE-1 (7.5-80) 0807	8/24	MOIST	0.0 00	FIL	ASH CINDERS, LITTLE 15% REDDISH BROWN 5YR 4/3 F-SAND AND SILT, TRACE COAL TAR LOOSE, MOIST	
8-10		3-2 2-4	AE-1 (9.5-10) 0807	8/24"	VERY MOIST to WET	0.0 0.0	FIL	REDDISH BROWN 5YR 4/3 VF SANDY SILT AND M-C GRAVEL, LITTLE 15% GRAY 5Y 6/1 CLAYEY SILT, TRACE 10% ASHCINDERS, LOOSE, WET	
10-12		6-13 13-16	NO SAMPLE	3/24"	WET	00	FIL	M-C SUBANGULAR GRAVEL, WET - INSUFFICIENT RECOVERY FOR SAMPLE	
12-14		16-16 9-10	AE-1 (13.5-14) 0829	6/24"	WET	00	FIL	F-C SUBANGULAR to ANGULAR GRAVEL,	
14-16		4-7 10-9	AE-1 (15.5-16) 0842	11/24"	MOIST	0.0 0.0	FIL	GRAYISH BROWN 10YR 5/2 VF SAND, LITTLE 20% SILT, TRACE 10% CLAY, TRACE BRONZING MOTTLING WITH REDDISH BROWN VF SAND AND BLACK SILT, SOFT/LOOSE, MOIST	
16-18								FAILED ATTEMPT AT SHIELD TUBE SAMPLE	
18-20		2-6 13-13	AE-1 (19.5-20) 1016	12/24"	MOIST	0.0 0.0	FIL SM	TOP 6" SPA, WITH OYSTER SHELL MIDDLE 1" REDDISH BROWN C-GRAVEL, LITTLE F-SAND BOTTOMS: LIGHT GRAYISH OLIVE 10Y 6/2 VF SANDY SILT, FIRM, MOIST	
20-22		13-31 25-31	AE-1 (21.5-22) 1027	16/24"	MOIST	0.0 0.0 0.0	SM SW	TOP 5" LIGHT GRAYISH OLIVE 10Y 6/2 VF SANDY SILT, LITTLE 15% WEATHERED M-C GRAVEL, TRACE 15% CLAY, FIRM, MOIST BOTTOM 11" DUSKY RED 7.5R 3/3 F-C SAND, SOME 30% M-C GRAVEL, TRACE 5% SILT, MED. DENSE, MOIST	
22-24		6-14 16-17	AE-1 (23.5-24) 1035	12/24"	MOIST to VERY MOIST	0.0 0.0	SW	DUSKY RED 7.5YR 3/3 to YELLOWISH RED 5YR 5/6 F-C SAND, SOME to LITTLE, 30% FIRM SUB-ROUNDED GRAVEL, TRACE 5% SILT, MED. DENSE, VERY MOIST	

AECOM		Project Number:		0154801.5000		Boring ID:		AE-1	
		Site:		PPL SITE 114 - WESTERN MOST BORING IN HBLR ROW NORTH OF PROPERTY LINE, OUTSIDE FENCE		Sheet:		2 of 3	
Project Manager:		Logged By:		KANTOR		Date Started:		7/6/11	
Drilling Co.:		Driller:		PEILEY		Date Finished:		7/8/11	
						Ground Elev.:			
						Depth of Boring:		55' 5"	
						Water Level:		+1-8'	
Depth	Elevation	Blow Counts	Lab Sample ID	Recovery	Moisture	PID	USCS	Classification of Material	
feet	feet			Feet		ppm		USCS; Modified Burmeister	
24-26		6-11 3-5	AE-1 (255-26) 1105	16 1/24"	moist	00 00 00	SW SP	TOP 10" SPT BOTTOM 6" VERY DARK GRAYISH BROWN LOYR 3/2 VF SAND, LITTLE 20% SILT, TRACE DISKY RED WEATH F-C GRAVEL, MOSE, MOIST	
26-28		48 12-12	AE-1 (275-28) 1111	7 1/24"	moist to very moist	00 00	SW	DUSKY RED 7.5YR 3/3 to yellowish RED 5YR 5/6 F-C SAND, LITRE, 25% FM-SUBANGULAR GRAVEL, MED DENSE, moist + to very moist	
28-30		8-12 16-18	AE-1 (295-30) 1116	11 1/24"	very moist	00 00	SW	SPT	
30-32		14-10 9-9	AE-1 (315-32) 1124	16 1/24"	very moist to wet	00 00 00	SW	WEAK RED 10R 4/3 F-M SAND, SOME, 35% C-SAND AND F-M SUBROUND C-GRAVEL, MED DENSE, VERY MOIST TO WET	
32-34		6-10 19-32	AE-1 (335-34) 1135	12 1/24"	very moist to wet	00 00	SW	SPT	
34-36		11-11 8-11	AE-1 NO Sample	NR				NO RECOVERY	
36-38		4-7 10-20		24 1/24"	moist	00 00 00 00	SP	REDDISH BROWN 2.5YR 4/4 VF SAND, TRACE 20% SILT BANDS, AND 4% F-SUBANGULAR GRAVEL MED. DENSE, MOIST	
38-40		WH 10-2 6-6	AE-1 (375-40) 1320 1330	16 1/24"	moist to very moist	00 00 00	SW	REDDISH BROWN 2.5YR 4/4 VF SAND AND SILT LOOSE, moist to very moist	
40-42		3-6 12-14		12 1/24"	moist to very moist	00 00	SW SP	TOP 3" SPT BOTTOM 9" REDDISH BROWN 2.5YR 4/4 VF SAND SOME to little 20% M-C ANGULAR GRAVEL, TRACE 20% M-C SAND AND SILT, MED DENSE, very moist	
42-44		22-20 14-15		11 1/24"	moist	00 00	GW	REDDISH BROWN 2.5YR 4/4 F-C SAND, SOME 25% F-C ANGULAR to SUBANGULAR GRAVEL, MED DENSE, moist	
44-46		14-24 28-27	AE-1 (455-46) 1410	9 1/24"	wet	00 00	GP	BROWN 7.5YR 4/3 GRAVEL, LITTLE 45% F-SAND DENSE, wet	

AECOM		Project Number:		60154801.5006		Boring ID:		AE-1	
Site:		PPG SITE 114 - WESTERN MOST BORING IN HBLR ROW, NORTH OF PROPERTY LINE OUTSIDE FENCE		Sheet:		3 of 3		Drilling Method:	
Project Manager:		Logged By:		KANTOR		Date Started:		7/10/11	
Drilling Co.:		Driller:		PETLEY		Date Finished:		7/11/11	
Ground Elev.:		Depth of Boring:		55' 5"		Water Level:		1'-8"	
Depth	Elevation	Blow Counts	Lab Sample ID	Recovery	Moisture	PI	USCS	Classification of Material	
feet	feet			Feet		ppm		USCS; Modified Burmeister	
46-48		12-24 34-42		13/24"	MOIST	00 00	SP GP	REDDISH BROWN SYR 5/3 V.F.F. SAND AND MC ROUNDED GRAVEL, LITTLE 45% MC SAND AND F GRAVEL, TRACE 5% SILT AND 4% CLAY. DENSE, MOIST	
48-50		17-25 34-43	AE-1 (4.5-8.0) 0805	13/24"	MOIST	00 00	SP	REDDISH BROWN SYR 5/3 V.F.F. SAND, SOME LITTLE, 20% FC SUBANGULAR GRAVEL, LITTLE 20% MC SAND, TRACE 5% SILT AND CLAY. DENSE, MOIST	
50-52		21-31 24-40		14/24"	MOIST	00 00 00	SP GP	REDDISH BROWN SYR 5/3 V.F.F. SAND AND F-C GRAVEL, MAINLY WEATHERED DUSKY RED SILTSTONE, WITH SOME DIABASE GRAVELS. LITTLE 15% MC SAND, TRACE 5% SILT AND CLAY. DENSE, MOIST	
52-54		24-81 34-37		11/24"	VERY MOIST TO WET	00 0-0		MOTTLED REDDISH BROWN SYR 5/3 AND GRAY SY 5/1 SANDY CLAY, SL. PLASTIC, MOIST. BOTTOM 7" F-C ANGULAR DIABASE GRAVEL. LITTLE 45% GRAYISH BROWN 10 YR 5/2 F.M.	
54-56		67-25 109-15		4/17"	WET	0.0		SANDY CLAY, DENSE, VERY MOIST TO WET F-C ANGULAR DIABASE GRAVEL, WET	
								TERMINATE BORING AT 55' 5"	

AECOM		Project Number:		60154801.5006		Boring ID:		AE-2			
		Site:		PPG SITE 114 - NORTH OFFENCE, NORTHWESTERN PORTION OF SITE (100M#1)		Sheet:		1 of 3			
						Drilling Method:		4 1/4" ID HSA			
Project Manager:				Logged By:		KANTOR		Date Started:		7/6/11	
Drilling Co.:		SGS		Driller:		PETLEY		Date Finished:		7/18/11	
								Depth of Boring:		72'2"	
								Water Level:		+/- 6'	
Depth	Elevation	Blow Counts	Lab Sample ID	Recovery	Moisture	PID	USCS	Classification of Material			
feet	feet			Feet		ppm		USCS; Modified Burmeister			
			AE-2 (15-20) (3.5-4.0) (5.0-5.5)					PRECLEAR TO 5' 6"			
								BEGIN DRILLING 7/11/11			
6-8		3-1 2-3	AE-2 (7.5-8.0) 0815	8 1/24"	WET	0.0	FL	ASH CINDERS, TRACE, 1.5% F. ROUNDED GRAVEL, LOOSE, WET, 10% CLAY			
8-10		3-5 11-6	AE-2 (9.5-10.0) 0825	11 1/24"	WET	0.0	FL	TOP 2" SAA BOTTOM 9" - BROWN 7.5YR 4/4 F-SAND AND M-C SUBANGULAR GRAVEL, LITTLE, 10% M-C SAND, LOOSE, WET, 4% CLAY			
10-12		7-7 10-6	AE-2 (11.5-12.0) 0840	9 1/24"	WET MOIST	0.0 0.0	FL FL	TOP 5" - SAA BOTTOM 4" - DISPERSED 10% 2/3 WEATHERED SANDSTONE, F-SAND AND SUBANGULAR GRAVEL, MOIST			
12-14		12-12 15-10	AE-2 (13.5-14) 0850	11 1/24"	VERY MOIST TO WET	0.0 0.0	FL	BROWN 7.5YR 4/4 F-SAND AND M-C SUBANGULAR GRAVEL, LITTLE 10% M-C SAND, TRACE 1% CLAY, MED. DENSE, MOIST TO WET			
14-16		16-10 16-21	AE-2 (15.5-16) 0905	9 1/24"	MOIST	0.0 0.0	FL	TOP 3" SAA MIDDLE 4" - OLIVE BROWN 2.5Y 4/4 SILT, LITTLE 1.5% VF SAND, TRACE 5% M-C GRAVEL, MOIST, MED. DENSE BOTTOM 2" - DISPERSED 10% 3/3 WEATHERED SANDSTONE			
16-18		21-12 7-6		NR				NO RECOVERY			
18-20								FAILED SHELBURY TUBE ATTEMPT - DROVE SPOON AFTER SHELBURY TUBE, NO SILT OR ORGANICS (PEAT) OBSERVED			
20-22		13-19 13-19	AE-2 (21.5-22) 1030	12 1/24"	MOIST	0.0 0.0	SM SM/GM	TOP 4" - DARK GRAY 2.5Y 4/4 VF SANDY SILT, LITTLE 10% CLAY, TRACE 1.5% M-C SAND AND ORGANICS, SLIGHTLY MUDY, MOIST, MODERATE TO SOFT BOTTOM 8" - DUSKY RED 10R 6/3 FINE SANDY (SAND) SOME 5% F-C GRAVEL MED DENSE, MOIST			
22-24		14-19 18-21	AE-2 (23.5-24) 1045	10 1/24"	MOIST	0.0 0.0	SW	REDISH BROWN 2.5YR 5/4 F-M SAND, LITTLE 15% C-SAND AND F-SUBANGULAR GRAVEL MED DENSE, MOIST			
24-26		17-11 8-9	AE-2 (25.5-26) 1050	22 1/24"	VERY MOIST	0.0 0.0 0.0	SW SM	REDISH BROWN 2.5YR 5/4 F-M SAND, LITTLE 20% SILT AND 15% C-SAND TRACE 1% CLAY F-SUBANGULAR GRAVEL MED. DENSE, VERY MOIST			

AECOM		Project Number:		60154801-5006		Boring ID:		AE-2	
		Site:		PPG SITE 114 NORTH OF FENCE NORTHWESTERN PORTION OF SITE (IRM#1)		Sheet:		2 of 3	
Project Manager:		Logged By:		KANYOR		Date Started:		7/6/11	
Drilling Co.:		Driller:		PETLEY		Date Finished:		7/18/11	
						Depth of Boring:		72' 2"	
						Water Level:		1'-6"	
Depth	Elevation	Blow Counts	Lab Sample ID	Recovery	Moisture	PI	USCS	Classification of Material	
feet	feet			Feet		ppm		USCS; Modified Burmeister	
26-28		5-11 17-25	AE-2 27.5-28 IND	9 1/24"	MOIST	00 00	SM	REDDISH BROWN 2.5 YR 4/4 V.F. SAND AND SILT BANDS, TRACE BROWN 7.5 YR 5/4 SILTY CLAY BAND 1/4" thick, MED DENSE, MOIST, SILTY CLAY slightly plastic	
28-30		8-13 13-19	AE-2 29.5-30 IND	14 1/24"	MOIST	00 00	SM	REDDISH BROWN 2.5 YR 4/4 V.F. SILTY SAND TRACE 1% BROWN 7.5 YR 5/4 SILTY CLAY BANDS, 1/8" thick med dense, moist	
30-32		6-10 12-12	AE-2 31.5-32 1305	20 1/24"	MOIST	0.0 0.0 0.0	SM	SAA	
32-34		5-6 10-10	AE-2 (33.5-34) 1305	13 1/24"	MOIST	0.0 0.0	SM	REDDISH BROWN 2.5 YR 4/4 V.F. SILTY SAND MED DENSE, MOIST	
34-36		5-10 15-19	AE-2 (35.5-36) 1330	8 1/24"	VERY MOIST	0.0 0.0	SP	REDDISH BROWN 2.5 YR 4/4 V.F. F. SAND, LITTLE 20% SILT, TRACE 10% M.C. SAND, LOOSE, VERY MOIST	
36-38		15-11 15-17		18 1/24"	MOIST	00 00 00	SP	REDDISH BROWN 2.5 YR 4/4 V.F. F. SAND, LITTLE 20% SILT, LOOSE, MOIST	
38-40		WH 1/24" 1-2		NR	-	-	-	NO RECOVERY	
40-42		WH 1/24" 5-13	AE-2 (41.5-42) 0940	11 1/24"	MOIST	0.0 0.0	ML	REDDISH BROWN 5 YR 5/3 BROWN V.F. SAND AND CLAY SILT TRACE 20% GRAY 5Y 5/1 SILTY CLAY BANDS 1/8" thick, soft/loose, moist	
42-44		6-6 11-19		13 1/24"	MOIST	00 00 00	ML	TOP 10" - SAA BOTTOM 3" REDDISH BROWN 5YR 5/3 SILT AND CLAY, LITTLE, 30% F.M. SUBANGULAR GRAIN, KATIE TO TRACE 10% F.C. SAND, MED DENSE, MOIST	
44-46		22-18 12-13	AE-2 (45.5-46) 1035	12 1/24"	VERY MOIST		SW/CL	REDDISH BROWN 5YR 4/3 F.C. SAND, SOME, 25% F.C. SUBANGULAR TO SUB-ROUNDED GRAIN, TRACE 5% SILT, MED DENSE, VERY MOIST	
46-48		16-22 29-20		14 1/24"	VERY MOIST TO MOIST		SW/CL SP	TOP 7" SAA BOTTOM 7" REDDISH BROWN 5YR 4/3 V.F. F. SAND LITTLE, 20% F.C. SUBANGULAR GRAIN AND 10% M.C. SAND AND SILT, MED DENSE, MOIST	

7/11
7/12

AECOM		Project Number:		60154801.30000		Boring ID:		AE-2	
		Site:		PG SITE 114-NORTH OF FENCE, NORTHWESTERN PORTION OF SITE (ITEM #1)		Sheet:		3 of 3	
						Drilling Method:		7/14" ID MSA	
Project Manager:		Logged By:		KANTOR		Date Started:		7/10/11	
Drilling Co.:		Driller:		PETLEY		Date Finished:		7/18/11	
Ground Elev.:		Depth of Boring:		Water Level:					
USCS:		Classification of Material							
USCS; Modified Burmeister									
Depth	Elevation	Blow Counts	Lab Sample ID	Recovery	Moisture	PID	USCS		
feet	feet			Feet		pgm			
48 50		27-25 35-33	AE-2 (49.5-50)	13/24"	MOIST	00 00 00	SP	REDDISH BROWN SYR 4/3 F-SAND LITTLE 215% F-M SUBANGULAR GRAVEL AND M-C SAND TRACE 5% CLAY, MED DENSE TO DENSE, MOIST	
50 52		24-16 23-37		11/24"	MOIST	00 00	SP	REDDISH BROWN SYR 4/3 F-SAND, LITTLE 220% F-M SUBANGULAR TO SUBANGULAR GRAVEL LITTLE TO TRACE, 10% M-C SAND, TRACE 3% SILT AND CLAY, MED DENSE, MOIST	
52 54		19-37 26-29		7/24"	MOIST	00 00	SP	REDDISH BROWN SYR 5/3 F-SAND, LITTLE 215% F-M SUBANGULAR GRAVEL AND C-SAND TRACE 210% M-SAND AND SILTY CLAY, MED DENSE, MOIST	
54 56		17-16 17-16 15-1125	AE-2 (54.5-55) 1125	6/24"	MOIST	00	SP	SAT	
56 58		17-22 21-29		7/24"	MOIST	00 00	SP	REDDISH BROWN SYR 5/3 F-SAND, SOME 30% F-C SUBANGULAR AND WEATHERED GRAVEL, TRACE, 210% SILT AND 25% M-C SAND AND CLAY, MED DENSE, MOIST	
58 60		24-42 28-33	AE-2 (58.5-60) 1340	9/24"	MOIST	00 00	SP/ GP	REDDISH BROWN SYR 5/3 F-SAND AND M-C SUBANGULAR TO ANGLULAR GRAVEL, LITTLE 215% M-C SAND, TRACE 210% SILT AND CLAY MED DENSE, MOIST	
60 62		35-37 23-27		8/24"	WET	00 00	GW	LIGHT OLIVE GRAY SYG 6/2 SATURATED F-C SAND AND GRAVEL, LITTLE SILT, MED DENSE, WET	
62 64		12-100 4"		7/24"	MOIST	00	GC	LIGHT OLIVE GRAY SYG 6/2 CLAYEY GRAVEL, WEATHERED DIABASE BEDROCK, DRILL OUT TO 63' 4" TO BEGIN ROCK CORING	
								CORE RUN #1 63' 5" TO 67' 0" 60% RECOVERY RQD=0 CORE RUN #2 67' 0" TO 68' 5" 100% RECOVERY RQD=0	
								CORE RUN #3 68' 5" TO 72' 2" 73% RECOVERY RQD=0	
								CORE TOTAL OF 8' 9" DIABASE BEDROCK- VERY WEATHERED	

AECOM		Project Number: 60154801.5006		Boring ID: AE-3				
		Site: CME 1050 ATV		Sheet: 1 of 3				
		PIG SITE 114 - CENTER BORING BETWEEN SITE FENCE LINE AND RAILROAD LEAVING WITH		Drilling Method: 4 1/4" ID HSA				
Project Manager:		Logged By: KANTOR		Date Started: 6/30/11				
Drilling Co.: SCS		Driller: PETLEY		Date Finished: 7/5/11				
				Depth of Boring: 50'				
				Water Level: +/- 6'				
Depth	Elevation	Blow Counts	Lab Sample ID	Recovery	Moisture	PID	USCS	Classification of Material
feet	feet			Feet		ppm		USCS; Modified Burmeister
0-5.5			AE-3 2'4"-2'9" 3'5"-4'0" 5'0"-5'5"					PRECLEAR FOR UTILITIES - 2" ASPHALT, 3" STONE, CONCRETE FROM 1'6" TO 2'4" - ASH CINDERS ABOVE AND BELOW CONCRETE
6-8		3-3 5-3	AE-3 7'5"-8' 0824	10/24"	WET	0.0 0.0	FIL	ASH CINDER, SLAG AND COAL, WET 25% COAR
8-10		4-10 9-6	AE-3 9'5"-10' 0837	12/24"	MOIST to WET	0.0 0.0	FIL	REDISH BROWN S Y 5/4 F SAND, LITTLE 15% ASH CINDERS AND M-C SAND, LITTLE TO TRACE, 10% F-M SUBROUNDED GRAVEL, MOIST TO WET, 10% COAR (POSSIBLE REMOVED NATIVE)
10-12		8-9 8-10	AE-3 11'5"-12' 0846	8/24"	MOIST to WET	0.0 0.0	FIL	SAA
12-14		4-25 24-18	AE-3 12'5"-14' 0930	7/24"	MOIST to WET	0.0 0.0	FIL	REDISH-BROWN S Y 5/4 V F SAND AND M-C RED SILTSTONE GRAVEL, MED DENSE, MOIST TO WET
14-16		13-12 13-15	AE-3 15'5"-16' 1030	15/24"	MOIST	0.0 0.0 0.0	SM	DARK GRAY S Y 4/1 AND BROWN 7'5"-8'4/2 MOTTLED V F SAND, SILT, TRACE 5% M-C SAND STIFF, MOIST
16-18			AE-3 16'-18' 1115					COLLECT SHIELD BY TUBE OF 16'-18' ZONE
18-20		10-16-2 3-6	AE-3 (14'5"-20') 1930	24/24"	MOIST	0.0 0.0 0.0 0.0	OL	DARK GRAY S Y 4/1 ORGANIC SILT, SOME TO LITTLE 20% ORGANICS, MOIST
20-22		1-2 3-4	AE-3 (21'5"-22') 21520	24/24"	MOIST	0.0 0.0 0.0 0.0	OL/ SP	TOP 19" SAA, BOTTOM 5" GRAY S Y 5/1 V F SAND LITTLE 15% SILT, TRACE 1% ORGANICS (WOOD), LOOSE, MOIST
22-24		8-17 26-23	AE-3 (23'5"-24') 23540	15/24"	MOIST	0.0 0.0 0.0	SP SP GP	TOP 3" GREENISH GRAY S Y 2 6/10 F SAND, LITTLE 15% M-C SUBANGULAR GRAVEL, MED DENSE, BOTTOM 12" WEAK RED FOR 4/3 F SAND, SOME 35% M-C SAND AND F-M GRAVEL, TRACE 10% SILT, MED DENSE, MOIST
24-26		13-22 19-13	AE-3 25'5"-26' 0755	13/24"	MOIST	0.0 0.0	SP GP	WEAK RED FOR 4/3 F SAND, SOME 30% F-M ROUNDED TO SUBROUNDED GRAVEL AND M-C SAND, TRACE 10% SILT, MED DENSE, MOIST

7/1
7/5

AECOM		Project Number:		60154801.5000		Boring ID:		AE-3	
		Site:		PPG-SITE 114 - CENTRAL BORING BETWEEN FENCE LINE AND HRA RETAINING WALL		Sheet:		2 of 3	
		CME-W50 ATV				Drilling Method:		7/8" ID HSA	
Project Manager:		Logged By:		KANTOR		Date Started:		6/30/11	
Drilling Co.:		Driller:		PETLEY		Date Finished:		7/5/11	
						Depth of Boring:		50'	
						Water Level:		41'-6"	
Depth	Elevation	Blow Counts	Lab Sample ID	Recovery	Moisture	PID	USCS	Classification of Material	
feet	feet			Feet		gpm		USCS; Modified Burmeister	
26-28		5-10 15-26	AE-3 (27.5-28) 0818	15 1/24"	MOIST	00 00 00	SM	REDDISH BROWN 2.5YR 4/4 VF SILTY SAND MED. DENSE, MOIST	
28-30		4-13 13-15	AE-3 (29.5-30) 0940	13 1/24"	MOIST	00 00	SM	SAA	
30-32		10-13 14-12	AE-3 (31.5-32) 0950	16 1/24"	VERY MOIST	00 00 00	SM	REDDISH BROWN 2.5YR 4/4 SILT AND VF SAND, MED. DENSE, VERY MOIST	
32-34		7-3 3-5	AE-3 (33.5-34) 0955	6 1/24"	VERY MOIST	00	SM	SAA	
34-36		8-4 6-9	AE-3 (35.5-36) 1005	8 1/24"	VERY MOIST	00 00	SP / MH	TOP 6" REDDISH BROWN 2.5YR 4/4 VF SAND, LITTLE TO TRACE 10% SILT, LOOSE, MOIST BOTTOM 2" REDDISH BROWN 2.5YR 4/4 SILT, LITTLE, 220% VF SAND, SOFT, VERY MOIST	
36-38		17-7 7-11		7 1/24"	VERY MOIST	00 00	SP	REDDISH BROWN 2.5YR 4/4 VF SAND, LITTLE TO TRACE, 10% SILT, VERY LOOSE, VERY MOIST	
38-40		8-4 4-7		9 1/24"	MOIST	00 00	ML	BROWN 7.5YR 4/3 SILT, TRACE 5% VF SAND AND CLAY, WITH LITTLE, 10% REDDISH BROWN 2.5YR 4/4 VF SAND BANDS AND TRACE, 21% GRAY 5Y 5/1 CLAY BANDS, SOFT, MOIST	
40-42		2-3 13-12	AE-3 (41.5-42) 1045	19 1/24"	MOIST TO WET	00 00 00 00	ML SP	TOP 12" SAA BOTTOM 7" BROWN 10YR 4/3 VF F SAND, TRACE 5% M-C SAND AND F-ANGULAR GRAVEL AT LOWEST, LOOSE, WET	
42-44		9-17 14-27		7 1/24"	MOIST	00 00	ML, SM	REDDISH BROWN 5YR 4/3 VF SANDY SILT, LITTLE, 45% M-C SAND AND F-M ANGULAR GRAVEL, MED DENSE, MOIST, TILL	
44-46		14-19 18-15	AE-3 (45.5-46) 1125	10 1/24"	MOIST	00 00	SM	REDDISH BROWN 5YR 4/3 VF F SAND, SOME, 35% SILT, LITTLE, 20% M-C SUBANGULAR TO ANGULAR GRAVELS, MED DENSE, MOIST	
46-48		13-20 22-15		9 1/24"	MOIST	00 00	GM	REDDISH BROWN 5YR 4/3 VF F SAND, SOME, 35% F-C ANGULAR GRAVEL, LITTLE, 15% M-C SAND AND SILT, MED DENSE, MOIST	

[illegible]

AECOM		Project Number:		60154801-0000		Boring ID:		AE-4	
		Site:		PPG SITE 114 - NORTH OF PROPERTY FENCE LINE, NE OF IRM #1 WEST SIDE MORRIS CANYON		Sheet:		1 of 3	
Project Manager:		Logged By:		KANTON		Date Started:		7/6/11	
Drilling Co.:		Driller:		PERLEY		Date Finished:		8/1/11	
						Ground Elev.:		70.7'	
						Depth of Boring:		70.7'	
						Water Level:		71.6'	
Depth	Elevation	Blow Counts	Lab Sample ID	Recovery	Moisture	PID	USCS	Classification of Material	
feet	feet			Feet		ppm		USCS; Modified Burmeister	
6-8		3-2 1-2	-	2 1/24"	WET	0.0	FL	ASH CINDERS AND WEATHERED CONCRETE, WET, 10% COPR	
8-10		2-1 2-1	AE-4 (9.5-10.0) 0750	6 1/24"	WET	0.0	FL	ASH CINDERS, LOOSE, WET 10% COPR	
10-12		3-3 30-18	AE-4 (11.5-12.0) 0807	13 1/24"	MOIST WET	0.0 0.0	FL	TOP 5" REDDISH BROWN 2.5YR 5/3 F-SAND, LITRE 22% F-M SUBANGULAR GRAVEL, TRACE 5% M-C SAND AND WOOD, MOIST BOTTOM 8" BROWN 7.5YR 5/3 GRAVEL, LITRE	
12-14		12-32 17-18	AE-4 (13.5-14.0) 0830	13 1/24"	MOIST	0.0	FL	F-SAND, 15% FINE, WET TOP 4" STRAW BROWN 7.5YR 4/6 F-SAND, TRACE 5% M-C SAND AND F-SUBROUNDED GRAVEL, MED DENSE, MOIST	
						0.0	GP	MIDDLE 2" - WEATHERED 10R 4/2 F-SAND AND F-M GRAVEL, TRACE 5% M-C SAND, MED DENSE	
						0.0	ML	BOTTOM 7" DARK GRAYISH GREEN 5GY 4/2 SILT, TRACE 5% CLAY, SOFT, SLIGHTLY MOIST	
14-16		4-6 6-23	AE-4 (15.5-16.0) 0850	14 1/24"	MOIST	0.0 0.0 0.0	ML GP	TOP 12" DARK GRAYISH GREEN 5GY 4/2 SILT, TRACE 15% CLAY, SOFT, SLIGHTLY MOIST BOTTOM 2" BROWN 7.5YR 5/3 GRAVEL, SOME, 25% F-SAND, TRACE 1% CLAY, MED DENSE, MOIST	
16-18		9.5-31 11-9	AE-4 (17.5-18.0) 0955	12 1/24"	VERY MOIST	0.0 0.0	GP	REDDISH BROWN 5YR 5/3 F-SAND AND GRAVEL, TRACE 5% M-C SAND, SILT AND CLAY, MED. DENSE, VERY MOIST, YELLOWISH POLEWATER BOTTOM 6"	
18-20		WP 8-2 7-11	AE-4 (19.5-20.0) 1025 P-1027	19 1/24"	MOIST	0.0 0.0 0.0	OL SP	TOP 11" DARK GRAY 5Y 4/1 ORGANIC SILT, TRACE 25% CLAY AND ORGANICS, SOFT, MOIST BOTTOM 8" REDDISH GRAY 5YR 5/2 F-SAND, LITRE FC GRAVEL, TRACE 5% M-C SAND, MED. DENSE	
20-22		6-16 17-17	AE-4 (21.5-22) 1058	9 1/24"	MOIST	0.0 0.0	SP	WEAK RED 10R 5/4 F-SAND, LITRE, 60% F-M SUBROUNDED GRAVEL AND M-C SAND, TRACE, 25% SILT, MED. DENSE, MOIST	
22-24		22-18 19-14	AE-4 (23.5-24) 1115	14 1/24"	MOIST	0.0 0.0 0.0	SP	SAND	

AECOM		Project Number:		60154801.5000		Boring ID:		AE-4									
		Site:		PG SITE 114 NORTH OF PROPERTY FENCE, NE OF IRRIG #1, WEST OF MORRIS CANAL		Sheet:		2 of 3									
						Drilling Method:		4 1/4" ID HSA									
Project Manager:				Logged By:		KAWTOR		Date Started:		7/6/11		Ground Elev.:					
Drilling Co.:		SCS		Driller:		PETLEY		Date Finished:		8/1/11		Depth of Boring:		70.7'			
Water Level:														+1.6'			
Depth		Elevation		Blow Counts		Lab Sample ID		Recovery		Moisture		PID		USCS		Classification of Material	
feet		feet						Feet				ppm				USCS; Modified Burmeister	
24 26				5-11 6-6		AE-4 (255-26) 1135		9/24"		MOIST		0.0 0.0		SP		REDDISH BROWN 2.5YR 4/4 F SAND, TRACE L2% M-C SAND, LOOSE, MOIST	
26 28				1-1 5-13		AE-4 (225-28) 1155		9/24"		MOIST		0.0 0.0		SP		SAA	
28 30				3-4 9-12		AE-4 (295-30) 1255		14/24"		MOIST		0.0 0.0 0.0		SP		REDDISH BROWN 2.5YR 4/4 VF-F SAND, TRACE L5% SILT, LOOSE, MOIST	
30 32				1-1 3-4		AE-4 (315-32) 1313		14/24"		MOIST		0.0 0.0 0.0		SP		SAA	
32 34				1-2 4-11		AE-4 33.5-34 1340 1342		17/24"		MOIST		0.0 0.0 0.0		SP SM		TOP 13" SAA BOTTOM 3" REDDISH BROWN 2.5YR 4/4 VF-F SILTY SAND, MED. LOOSE, MOIST	
34 36				1-1 1-4		AE-4 (355-36) 1405		11/24"		MOIST		0.0 0.0		SP		REDDISH BROWN 2.5YR 4/4 VF-F SAND, TRACE L5% SILT, LOOSE, MOIST	
36 38				3		—		NR		—		—		—		WAS HOUT TOP 1'6" DURING WATERJET NO RECOVERY	
38 40				4-3 7-11		AE-4 (395-40) 0800		13/24"		MOIST		0.0 0.0 0.0		ML		BROWN 7.5YR 4/3 SILT, LITTLE 10% CLAY, TRACE L5% VF SAND, W/TH LITTLE 20% REDDISH BROWN 2.5Y 4/3 VF SAND BANDS AND TRACE L5% GRAY 5Y 5/1 CLAY BANDS SOFT, SL PLASTIC, MOIST	
40 42				6-3 2-2				20/24"		MOIST		0.0 0.0 0.0 0.0		ML		SAA	
42 44				10-10				14/24"		MOIST to VERY MOIST		0.0 0.0 0.0		ML SP		TOP 7" SAA BOTTOM 7" REDDISH BROWN 2.5YR 5/4 F. SAND, LITTLE to TRACE, 10% M-C SAND, TRACE L5% SILT AND F. ANGULAR GRAVEL, LOOSE, VERY MOIST	
44 46				2-5 6-15		AE-4 (455-46) 0955		15/24"		VERY MOIST		0.0 0.0 0.0		SW		REDDISH BROWN 2.5YR 5/4 F-C SAND, 4" LAYER OF VF SAND, AT 45'5" to 45'9" LOOSE, VERY MOIST	

7/26
7/27

AECOM		Project Number: 00154801-5006		Boring ID: AE-4				
Site: PDGSITE 114- NORTH OF PROPERTY FRANCE, NE of ILM #1, WEST OF MORRIS CANYAL		Sheet: 3 of 3		Drilling Method: 4 1/4" ID HSA				
Project Manager: SCS		Logged By: KANTAR		Date Started: 7/6/11				
Drilling Co.: SCS		Driller: PRILEY		Date Finished: 8/11/11				
Ground Elev.: 70.7'		Depth of Boring: 70.7'		Water Level: 7.6'				
Depth	Elevation	Blow Counts	Lab Sample ID	Recovery	Moisture	PID	USCS	Classification of Material
feet	feet			Feet		ppm		USCS; Modified, Burmeister
46-48		11-21 25-28		13/24"	Moist	00 00 00	SP	REDDISH BROWN SYR 4/3 VF-F SAND, SOME TO CLITE, 20% M-C SAND AND FINE GRAVEL, TRACE 10% M-C SUBANGULAR GRAVEL AND SILT, MED DENSE, MOIST
48-50		15-16 16-14	AE-4 (445-50)	10/24"	Moist	00 00	SP	SAA
50-52		8-12 100/4"	1109	6/16"	Moist	0.0	SP/ GP	REDDISH BROWN SYR 4/3 VF-F SAND, SOME 35% M-C SUBROUNDED GRAVEL, TRACE 10% M-C SAND AND F-GRAVEL, 15% SILT AND CLAY, MED DENSE TO DENSE, MOIST
52-54		32-12 10-16		11.5"/24"	Moist to wet	0.0	SP/GP	Reddish Brown SYR 4/3 VF-F SAND 35% M-C SAND, FINE GRAVEL 25% (subround) Brown Sandstone 40% Moist to wet
54-56		45-21 -21-22	AE-4 54.5 to 55 (350)	12"/24"	Moist to wet	0.0	SP/ GP	Reddish Brown SYR 4/3 VF-C SAND trace (45%) Fine Gravel (subround) Broken Quartzite in spoon tip, moist to wet SYR
56-58		42-19 19-14 14-20		23"/24"	Wet	0.0	SP/ GP	Reddish Brown 4/3 VF-C SAND, Trace (15%) Fine Coarse Gravel (subround) Piece of cobble size siltstone towards end of spoon, wet
58-60	100/4	100/4	AE-4 58-58.5	10"/12"	Moist to wet	0.0	SP/ GP	Reddish Brown SYR 4/3 F-C SAND (first 6") Coarse Gravel (Broken Diabase) Grey 1 3/4 Fine Gravel Moist to wet
AUGER REVERSAL 58' 5"								

AECOM		Project Number:		60134801-5000		Boring ID:		AE-5	
		Site:		PPG SITE 114 - NORTH OF FENCE LINE - EASTERN MOST BORING		Sheet:		1 of 3	
		Project Manager:		Logged By:		Drilling Method:		4 1/4" ID HSA	
Drilling Co.: SCS		Driller:		Date Started:		Ground Elev.:		64.3'	
Date Finished:		Date Started:		7/6/11		Depth of Boring:		7.8'	
Water Level:		7/22/11							
Depth	Elevation	Blow Counts	Lab Sample ID	Recovery	Moisture	PI	USCS	Classification of Material	
feet	feet			Feet		ppm		USCS; Modified Burmeister	
								LOCATION PRE-CLEARED TO 5'6"	
								BEGIN DRILLING 7/19/11	
6-8		1-1 1-3	AE-5 (7.5-8.0) + M/S/MSD 1400	24/24"	moist	0.0 0.0 0.0	Fill	PAVE YELLOWISH GREEN SCLY 6/4 SILT, TRACE 110% F-SAND; soft, moist, 100% GGM	
8-10		1-3 4-10	AE-5 (7.5-10.0) 1416	24/24"	WET + moist + DRY	0.0 0.0 0.0	Fill	TOP 19" SAA ONLY WET BOTTOM 5" BRIGHT YELLOW GREEN SILT, TRACE 45% F-SAND, Firm, Dry, 100% GGM	
10-12		13-26 20-24	AE-5 (11.5-12.0) 1445	24/24"	moist to dry	0.0 0.0 0.0	Fill	BRIGHT YELLOW GREEN SILT, TRACE 45% F-SAND AND 11% CLAY, Firm, Dry, 100% GGM	
12-14		3-4 4-9	AE-5 (12.5-14.0) 1510	24/24"	moist	0.0 0.0 0.0	Fill	MOTTLED LIGHT OLIVE TO Y 5/4 WITH LITTLE YELLOW 5 Y 8/6 SILT, TRACE 10% F-SAND; MED. soft, moist, 100% GGM	
14-16		2-3 4-7	AE-5 (15.5-16.0) 0950	24/24"	moist	0.0 0.0 0.0	Fill	SAA	
16-18		4-17 8-15	AE-5 (17.5-18.0) 1010	24/24"	moist	0.0 0.0 0.0	Fill	TOP 12" SAA MIDDLE 8" VERY DARK GRAY TO YR 3/1 F-SAND SOME 30% ASH CINDER AND CLAY, LITTLE TO TRACE 10% M-C SAND AND BRIGHT YELLOW CHROME TRACE 10% SILT, MED DENSE, moist	
						0.0	ML	BOTTOM 4" - BROWN TO YR 4/3 SILT, LITTLE TO TRACE 10% CLAY AND VF SAND, MED soft, moist	
18-20		5-10 25-27 1/2"	AE-5 (19.5-20.0) 1027	8/24"	VERY moist	0.0 0.0	GM	WEAK RED TO R 4/3 M-F SUBROUNDED GRAVEL AND F-SAND, TRACE 10% M-C SAND AND 45% SILT, MED DENSE, moist	
20-22		31-39 31-28	AE-5 (21.5-22.0) 1050	10/24"	moist	0.0 0.0 0.0	GP	REDDISH BROWN 5 YR 4/3 C-F GRAVEL, 20% 1/2", SOME 35% F-SAND, LITTLE 10% M-C SAND, TRACE 45% SILT, MED DENSE, moist	
22-24		12-23 16-11	AE-5 (22.5-23.0) 1100	10/24"	moist to very moist	0.0 0.0	SW	REDDISH BROWN 2.5 YR 4/4 F-M SAND, SOME TO LITTLE, 20% F-M SUBROUNDED GRAVEL, LITTLE TO TRACE 10% C-SAND, TRACE 45% SILT, MED DENSE, moist to very moist	

AECOM		Project Number:		00154801.5006		Boring ID:		AE-5			
		Site:		PPG SITE 114 - NORTH OF FENCE LINE - EASTERNMOST BORING		Sheet:		2 of 3			
						Drilling Method:		4 1/4" ID HSA			
Project Manager:				Logged By:		KAN-TOR		Date Started:		7/6/11	
Drilling Co.:		SCS		Driller:		PRETLEY		Date Finished:		7/22/11	
Depth		Elevation		Blow Counts		Lab Sample ID		Recovery		Moisture	
feet		feet						Feet		ppm	
										USCS	
										Classification of Material	
										USCS; Modified Burmeister	
24-26				4-3 4-6		AE-5 (25.5-26) 1130		17 1/24"		MOIST to VERY MOIST 0.0 0.0 0.0	
26-28				3-4 6-7		AE-5 27.5-28 1300		8 1/24"		MOIST 0.0 0.0	
28-30				4-6 8-8		AE-5 29.5-30 1320		12 1/24"		MOIST 0.0 0.0	
30-32				2-3 2-2		AE-5 31.5-32 1350		9 1/24"		MOIST 0.0 0.0	
32-34				1-5 6-6		AE-5 33.5-34 1415		16 1/24"		MOIST to VERY MOIST 0.0 0.0 0.0	
34-36				2-2 6-6		AE-5 35.5-36 1440		18 1/24"		MOIST 0.0 0.0 0.0	
36-38				1-2 5-8				17 1/24"		MOIST 0.0 0.0 0.0	
38-40				WR 1/24"		AE-5 37.5-40 0750		10 1/24"		VERY MOIST 0.0 0.0	
40-42				WR 1/24" 1-2				16 1/24"		WET 0.0 0.0 0.0	
42-44				WR 1/24" 2-3				10 1/24"		VERY MOIST to MOIST 0.0 0.0	
										SP	
										REDDISH BROWN 5YR 5/3 F-SAND, TRACE 2.5% M-C SAND AND F-SUB-ROUNDED GRAVEL LOOSE, MOIST to VERY MOIST	
										SP	
										REDDISH BROWN 2.5YR 4/3 VF-F SAND, TRACE 1% M-SAND, LOOSE, MOIST	
										SP	
										REDDISH BROWN 2.5YR 4/3 VF-F SAND, TRACE 1% M-SAND AND SILT, LOOSE, MOIST	
										SP	
										SAT.	
										SP	
										TOP 8" REDDISH BROWN 2.5YR 4/3 VF-F SAND TRACE 1% M-SAND AND SILT, LOOSE, MOIST BOTTOM 8" REDDISH BROWN 2.5YR 4/3 VF SILTY SAND, SOFT, VERY MOIST	
										SM	
										SP	
										REDDISH BROWN 2.5YR 4/3 VF-SAND, SOME, 43% SILT, LOOSE, MOIST	
										SM	
										SP	
										TOP 7" SAT BOTTOM 10" BROWN 7.5YR 4/3 SILT, TRACE 2.5% VF SAND AND CLAY, WITH LITTLE 1.5% REDDISH BROWN 2.5YR 4/3 VF-F SAND BANDS AND TRACE 2.2% GRAY 5Y 5/1 SILTY CLAY BANDS, SOFT, MOIST	
										ML	
										ML	
										REDDISH BROWN 2.5YR 4/3 VF SAND AND SILT, LOOSE, VERY MOIST	
										MH	
										REDDISH BROWN 2.5YR 4/3 SILT, LITTLE 4.5% VF SAND, TRACE 1% CLAY, VERY SOFT, WET, NEAR SATURATED.	
										MH	
										CL	
										TOP 7" REDDISH BROWN 2.5YR 4/3 SILT, LITTLE 2.0% CLAY TRACE 2.2% VF SAND, SOFT, SLIGHTLY PLASTIC BOTTOM 3" REDDISH BROWN 2.5YR 5/3 CLAY, SOME to LITTLE 20% SILT, MOD SOFT SLIGHTLY PLASTIC	

7/20

7/21

AECOM		Project Number:		00154801.50060		Boring ID:		AE-5	
		Site:		PPG SITE 114 - NORTH OF FENCE LINE, EASTERNMOST BORING		Sheet:		3 of 3	
		Project Manager:		Logged By:		Drilling Method:		4 1/4" ID HSA	
Drilling Co.:		SCS		Driller:		Date Started:		7/6/11	
						Date Finished:		7/22/11	
						Ground Elev.:		64' 3"	
						Depth of Boring:		4-8'	
Depth	Elevation	Blow Counts	Lab Sample ID	Recovery	Moisture	PID	USCS	Classification of Material	
feet	feet			Feet		ppm		USCS; Modified Burmeister	
44-46		15-21	AE-5 455460 0930	16 1/24"	MOIST	00 00 00	CL SP	TOP 8" SPT BOTTOM 8" REDDISH BROWN 2.5 YR 4/3 VF- F SAND, TRACE 25% CLAY BANDS, M-C SAND AND SILT, MED DENSE, MOIST	
46-48		8-6 12-15		6 1/24"	MOIST	0.0	SW	REDDISH BROWN 2.5 YR 5/3 F-C SAND LITTLE TO TRACE, 10% F. SUB-ROUNDED GRAVEL, LOOSE, MOIST	
48-50		5-13 21-24	AE-5 495500 1035	7 1/24"	MOIST	00 00	GM	REDDISH BROWN 5 YR 5/3 SILT, SOME, 30% F-M, SUB-ROUNDED GRAVEL, TRACE 10% F-C SAND, MED DENSE/FIRM, MOIST	
50-52		17-27 17-13		6 1/24"	MOIST	00	SM/ GM	REDDISH BROWN 5 YR 5/3 SILT, SOME F-SAND AND M-C SUB-ANGULAR GRAVEL, 30%, TRACE 25% M-C SAND, MED DENSE, MOIST	
52-54		21-24 16-16		7 1/24"	VERY MOIST	20 00	SM	REDDISH BROWN 5 YR 5/3 SILT AND F-M SAND, SOME TO LITTLE 20% F-C SUB- ROUNDED TO SUB-ANGULAR GRAVEL, MED. DENSE, MOIST	
54-56		27-16 16-23	AE-5 555500 1340	11 1/24"	MOIST	00 00	SP	REDDISH BROWN 5 YR 4/3 VF-F SAND, SOME TO LITTLE, 20% F-M SUB-ANGULAR GRAVEL AND SILT, TRACE 5% M-C SAND, MED. DENSE MOIST	
56-58		32-21 14-15		12 1/24"	MOIST	00 00	SP	REDDISH BROWN 5 YR 4/3 VF-F SAND, LITTLE 20% SILT AND F-M SUB-ANGULAR TO SUB-ROUNDED GRAVEL, TRACE 5% M-C SAND, MED DENSE, MOIST	
58-60		26-9 19-25 2"	AE-5 595500 1440	7 1/24"	MOIST	00 00	SP	SPT	
60-62		47-27 23-7		NR				NO RECOVERY - LARGE GRAVEL IN TIP	
62-64		24-20 25 1/2"		10 1/24"	MOIST	00 00	GM	REDDISH BROWN 5 YR 5/3 F-SAND AND F-C SUB-ROUNDED TO ANGULAR GRAVEL, TRACE, 25% M-C SAND AND SILT, MED. DENSE, MOIST	
64-66		100 1/2"						TERMINATE BORING ON AUGER REFUSAL AT 64' 3"	

7/21

7/22

Project Name: PPG Soil RWP Drilling Company: 365
Project Number: 6015-4801 Drilling Method: GEO PROBE
Date Started Drilling: 5/3/11 Rig Type: GEO PROBE
Date Finished Drilling: 5/3/11 Core Size: Boring Total Depth (bgs): 20'
Physical Location: BORING MADE ~ 20' EAST DUE TO CONCRETE OBSTRUCTION @ 31' Logged By: E. ACI

(Note: bgs = below ground surface)

Depth Range	Recovery ft/ft	PID (ppm)	Moisture Content	GA Class.	USCS	Garfield Avenue Sites Classification & Modified Unified Soil Classification System	
						Surface Cover and Thickness:	Sample name & #:
0-5	1.0	0 2.6 0	DRY	3	FILL	0-0.5 BLACK (2.5/1) F-M SAND SOME GRAVEL DRY DENSE ASPHALT REMNANT (20% COPR)	CHEM 3-1-2 @ 13:20 XCR TOTAL CR EH PH DRP
						0.5-0.8 BLACK (2.5/1) FINE SAND LITTLE SILT (PETROLEUM ODR)	
						ASPHALT REMNANT, DRY	
						0.8-1.0 - CONCRETE FRAGMENTS 1.0-1.8 LIGHT BROWN (7.5 YR 6/3) TO BLACK F-M SAND LITTLE SILT; SOME F-C GRAVEL, DENSE DRY (20% COPR)	
5-10	0.8	0 0 0	WET	3	FILL	0-0.8 REDDISH BROWN (5 YR 5/4) STAINED BLACK F-M SAND LITTLE F-C GRAVEL, DENSE, WET	CHEM 3-5-7 @ 13:30 XCR TOTAL CR EH PH DRP
10-15	1.6	0 0 0	WET	3	FILL	0-1.6 OLIVE BROWN (2.5 YR 4/3) SILT, SOME FINE SAND, LR CLAY WET FIRM	CHEM 3-10-12 @ 13:35 XCR TOTAL CR EH PH DRP
							CHEM 3-10-12 DUPLICATE @ 13:38
15-20	2.2	0 0 0	WET	3 7	FILL PEAT	0-1.0 BROWN (7.5 YR 5/4) FINE SAND, SOME SILT, LR GRAVEL, BRICK FRAGS. DENSE, WET	CHEM 3-15-17 @ 13:40 XCR TOTAL CR EH PH DRP
						10-1.6 PEAT 1.6-2.2 GRAY (7.5 3/1) SILTY CLAY CLAY FIRM MOIST	
						END OF BORING @ 20.0'	

Stratigraphic Unit Depth Intervals (bgs):

Comments:

1)	4)
2)	5)
3)	6)

Project Name: PPG Soil RMP	Drilling Company: 565	Drilling Water Level (bgs):
Project Number: 6015-4801	Drilling Method: GEO/ROB	Boring Total Depth (bgs): 20.0
Date Started Drilling: 5/3/11	Rig Type: GEO PRIMA	Grout Depth (bgs):
Date Finished Drilling: 5/3/11	Core Size:	Boring Total Depth (bgs): 20.0
Physical Location:	Logged By: E. ACS	

(Note: bgs = below ground surface)

Depth Range	Recovery ft	PID (ppm)	Moisture Content	GA Class.	USCS	Garfield Avenue Sites Classification & Modified Unified Soil Classification System	
						Surface Cover and Thickness:	Sample name & #:
0-5	2.0	0 0 0	DRY	3	FILL	0-0.5 BLACK (2.5/1) FINE-MED SAND, SOME GRAVEL, DRY, DENSE ASPHALT REMNANTS	CHEM 5-1-2 @ 10:05 VOC, SVOC, TOT CR CR6, pH, PH 15.2
						0.5-2.0 DARK REDDISH BROWN (2YR 3/3) SILTY FINE SAND, SOME FINE GRAVEL, LOOSE DRY (50% COPR)	PCB, TMR METALS
5-10	2.8	0 0 0	WET	3	FILL	0-1.6 DARK-REDDISH BROWN (2YR 3/3) SILTY FINE SAND, SOME FINE GRAVEL, MED DENSE, WET (50% COPR)	CHEM 5-5-7 @ 10:25 VOC, SVOC, TOT CR CR6, TMR METALS
						1.6-2.8 - REDDISH BROWN (5YR 5/3) FINE SAND, LITTLE SILT, TR F-C GRAVEL, WET, LOOSE (100% COPR)	PCB, pH, PH ORP
10-15	3.2	0 0 5.2	WET	3	FILL	0-0.7 - REDDISH BROWN (5YR 5/3) FINE SAND, SOME SILT, LITTLE F-M GRAVEL, WET, LOOSE (50% COPR)	CHEM 5-10-12 @ 10:40 VOC, SVOC, TOT CR CR6, TMR METALS
			(MGP)			0.7-1.5 OLIVE BROWN (2.5YR 4/3) FINE SAND, SOME SILT, TRICE-LITE F-M GRAVEL, WET, MED DENSE, SLIGHTLY STAINED, BLACK W MGP WASTE	PCB, pH, PH ORP
			(MGP)			1.5-3.2 BLACK STAINED (10YR 2/1) SILT, LITTLE FINE SAND, TR F-C GRAVEL, WET, MED DENSE FIRM, STAINING WITH MGP WASTE	
15-20	2.0	0 0 0	WET	3	FILL	0-1.2 OLIVE BROWN (2.5YR 4/3) SILT, SOME FINE SAND, TR CUM WET, FIRM.	CHEM 5-15-17 @ 10:50 VOC, SVOC, TOT CR CR6, TMR METALS
						1.2-1.4 - PEAT	PCB, pH, PH ORP
						1.4-2.0 REDDISH BROWN (5YR 5/3) SILTY FINE SAND, TR F-C GRAVEL, MOIST, DENSE	
						END OF BORING @ 20.0'	

Stratigraphic Unit Depth Intervals (bgs):				Comments:
1)		4)		
2)		5)		
3)		6)		

Project Name: PPG Soil BUMP	Drilling Company: S65	Drilling Water Level (bgs):
Project Number: 6015-4801	Drilling Method: GEOPROBE	Boring Total Depth (bgs): 20'
Date Started Drilling: 5/3/11	Rig Type: GEOPROBE	Grout Depth (bgs):
Date Finished Drilling: 5/3/11	Core Size:	Boring Total Depth (bgs): 20'
Physical Location:	Logged By: E ACS	

(Note: bgs = below ground surface)

Depth Range	Recovery ft/ft	PID (ppm)	Moisture Content	GA Class.	USCS	Garfield Avenue Sites Classification & Modified Unified Soil Classification System	
						Surface Cover and Thickness: ASPHALT 6"	Sample name & #:
0-5	2.1	0 0 0	DRY	3	FILL	0-1.0 VERY DARK GRAYISH BROWN (10YR 3/2) F-M SAND, SOME SILT, TR F-M GRAVEL. LOOSE, DRY (25% CORR)	CHEM 6-0-2 @ 8:15 CR, TOT CR, PH, ORP
						1.0-2.1 JACK REDDISH BROWN (2.5YR 3/3) SILTY FINE SAND, LITTLE - SOME FINE GRAVEL, LOOSE, DRY (50% CORR)	M.S. M.S.D. TAKEN @ 8:15
5-10	2.0	0 0 0	WET	3	FILL	0-0.9 DARK REDDISH BROWN (2.5YR 3/3) SILTY FINE SAND, SOME FINE GRAVEL. LOOSE WET (50% CORR)	CHEM 6-5-7 @ 8:20 CR, TOT CR, PH, ORP
						0.9-2.0 REDDISH BROWN (2.5YR 5/3) FINE SAND, LITTLE SILT, TR FINE GRAVEL, WET, LOOSE	
10-15	1.5	0 0 0	WET	3	FILL	0-1.5 REDDISH BROWN (2.5YR 5/3) F-C GRAVEL, SOME SILTY FINE SAND. WET, LOOSE	CHEM 6-10-12 @ 8:40 CR, TOT CR, PH, ORP
15-20	1.5	0 0 0	WET	3 7	FILL PT	0.0-0.8 GRAYISH BROWN (10YR 5/2) F-M SAND, SOME SILT, TR FINE GRAVEL, WET, MED DENSE	CHEM 6-15-17 @ 8:45 CR, TOT CR, PH, ORP
						0.8-1.5 PEAT	
						EOB @ 20'	
Stratigraphic Unit Depth Intervals (bgs):						Comments:	
1)			4)				
2)			5)				
3)			6)				

AECOM		Project Number:		PPG SITE 114 NORTHERN PROPERTY BOUNDARY, NORTH OF 12M #2		Boring ID:		GT-18	
		Site:				Sheet: 1 of 3			
Project Manager:		Logged By:		Date Started:		4/22/11		Drilling Method:	
Drilling Co.:		Driller:		Date Finished:		4/23/11		Ground Elev:	
								Depth of Boring:	
								Water Level:	
								7.4'	
Depth	Elevation	Blow Count	Lab Sample ID	Recovery	Moisture	RD	USCS	Classification of Material	
feet	feet			Feet		gpm		USCS: Modified Bloomfield	
0-1	CHEM ANAL	7-4	GT-18 1-2	12/12"	DRY	0.0 0.0	FILL	ASPHALT AND 3/4" BASE STONE	
1-2	GT-18-12 1332							DARK REDDISH BROWN 2.5 YR 3/3 VF-C SAND, LITTLE 10% SILT, TRACE 15% M-C GRAVEL, LOOSE, MOIST 95% CORP	
2-4		3-2 1-1	GT-18 2-4	17/24"	DRY	0.0 0.0 0.0	FILL	SAA	
4-6	CHEM ANAL	1-1 1-1	GT-18 4-6	11/24"	WET	0.0 0.0	FILL	TOP 4"- DARK BROWN 7.5 YR 3/3 F-C SAND, LITTLE SILT AND ASH, LOOSE, WET, 80% CORP BOTTOM 2"- DARK REDDISH BROWN 2.5 YR 3/3 VF-C SAND, LITTLE 10% SILT AND F-M GRAVEL, WET, 90% CORP	
6-8	GT-18 5-7 1400	2-3 40-52	GT-18 6-8	11/24"	WET	0.0 0.0	FILL	TOP 5"- DARK REDDISH BROWN 2.5 YR 3/3 VF-C SAND, LITTLE 10% SILT AND F-M GRAVEL, WET 90% CORP BOTTOM 6"- VERY DARK GRAY 5YR 3/1 F-SAND AND ASH, LITTLE 20% C-GRAVEL, VERY LOOSE, WET 10% CORP	
8-10		7-10 100%	GT-18 8-10	NR	-	-	-	NO RECOVERY	
10-12		100/1"	GT-18 10-12	NR	-	-	-	NO RECOVERY - LARGE GRAVEL IN TIP NO SAMPLE COLLECTED FROM 10-12 FOOT INTERVAL FOR CHEMICAL ANALYSIS DRILLED TO 13 FEET PAST GRAVEL OBSTRUCTION	
13-15		12-16 10-7	GT-18 13-15	6/24"	WET	0.0	SP	VERY DARK GRAYISH BROWN 10YR 3/2 F-SAND, LITTLE 10% SILT, TRACE 10% M-C SAND AND 15% ORGANICS, LOOSE TO MED. DENSE, WET	
15-17	CHEM ANAL GT-18 15-16	5-3 3-2	GT-18 15-17	11/24"	WET TO MOIST	0.0 0.0	SP PT	TOP 8"- SAA BOTTOM 3" PLAT, MOIST	
17-18		10-7	GT-18 17-18	NR	-	-	-	NOTE: DREW SPOON ONLY 1 FOOT NO RECOVERY	
18-20		9-34 30-32	GT-18 18-20	11/24"	MOIST TO WET	0.0 0.0	SM	TOP 4"- GRAY 5Y 5/1 VF-SILTY SAND, LITTLE, NON-HOMOGENEOUS MIXING OF REDDISH-BROWN 2.5 YR 4/4 VF SAND, TRACE, 5% C-SAND, DENSE, MOIST.	
						0.0 0.0	SP	BOTTOM 7"- REDDISH BROWN 2.5 YR 4/3 F-SAND, LITTLE TO TRACE, 10% SILT AND F-M ROUNDED GRAVEL, TRACE 15% M-C SAND, MED DENSE, WET	

AECOM		Project Number:		Boring ID: GT-18				
		Site: PPG SITE 114 - NORTHERN PROPERTY BOUNDARY, NORTH OF 18M #2		Sheet: 2 of 3				
Project Manager:		Logged By: KANTOR		Drilling Method: 4 1/4" ID HSA				
Drilling Co.: SC3		Driller: PAULIN		Ground Elev.: -5.0'				
		Date Started: 4/22/11		Depth of Boring: 50'				
		Date Finished: 4/25/11		Water Level: 17.4'				
Depth	Elevation	Flow Count	Lab Sample ID	Recovery	Moisture	MC	USCS	Classification of Material
Feet	Feet			Feet		%		USCS; Modified Bloomer
20-22		9-16 22-26	GT-18 20-22	19/24"	MOIST to WET	0.0 0.0 0.0	SW	YELLOWISH RED 54R 5/6 F-C SAND, SOME 30% F-C BOUND TO SUBROUND GRAVEL, TRACE 25% SILT, MED DENSE, MOIST TO WET.
22-24		5-10 20-21	GT-18 22-24	9/24"	MOIST to WET	0.0 0.0	GM	WEAK RED 10R 4/3 GRAVELLY F-C SAND, CLAYE, 10% SILT, MED DENSE, MOIST TO WET.
24-26		16-19 20-20	GT-18 24-26	8/24"	MOIST to WET	0.0 0.0	GM	REDISH BROWN 2.5YR 5/3 G-F-SUBSAND TO ANGULAR GRAVEL AND F-C SAND, TRACE 5% SILT, MOIST TO WET.
26-28		7-10 10-14	GT-18 26-28	17/24"	MOIST to WET	0.0 0.0 0.0	GM SP	TOP 4" SAA BOTTOM 13" REDISH BROWN 2.5YR 4/4 V-F SAND, TRACE 10% SILT, 1% CLAY, 1" THICK SILTY CLAY BAND AROUND 7", MED DENSE VERY MOIST.
28-30		5-8 10-11	GT-18 28-30	16/24"	VERY MOIST	0.0 0.0 0.0	SP	REDISH BROWN 2.5YR 4/4 V-F SAND, TRACE 5% SILT, LOOSE, VERY MOIST.
30-32		6-9 10-9	GT-18 30-32	17/24"	MOIST to VERY MOIST	0.0 0.0 0.0	SP	REDISH BROWN 2.5YR 4/4 V-F SAND, TRACE 10% SILT AND 13% CLAY, LOOSE, MOIST TO VERY MOIST.
32-34		9-8 7-10	GT-18 32-34	21/24"	MOIST to WET	0.0 0.0 0.0	SP SP/GM	TOP 18" REDISH BROWN 2.5YR 4/4 V-F SAND, TRACE 5% SILT AND M-C SAND, LOOSE, MOIST. BOTTOM 3" REDISH BROWN 2.5YR 4/4 V-F SAND, LITTLE 10% SILT, TRACE 5% CLAY, LOOSE, WET.
34-36		6-12 13-13	GT-18 34-36	16/24"	MOIST to VERY MOIST	0.0 0.0 0.0	SP SP	TOP 7" REDISH BROWN 2.5YR 4/4 V-F SAND, LITTLE 10% SILT AND TRACE 5% SILTY CLAY BANDS, 4/8 to 1/4" THICK, 1-5 BANDS/INCH MED DENSE. BOTTOM 9" REDISH BROWN 2.5YR 4/4 V-F SAND, TRACE 5% SILT, MED DENSE, VERY MOIST.
36-38		11-13 10-8	GT-18 36-38	13/24"	MOIST to VERY MOIST	0.0 0.0	SP SP	TOP 6" REDISH BROWN 2.5YR 4/4 V-F SAND, LITTLE, 10% SILTY CLAY BANDS, 1/16" THICK, MED DENSE, MOIST. BOTTOM 7" REDISH BROWN 2.5YR 4/4 V-F SAND, TRACE 5% SILT, MED DENSE, VERY MOIST.
38-40		2-4 7-8	GT-18 38-40	12/24"	MOIST	0.0 0.0	SP	REDISH BROWN 2.5YR 4/3 V-F SAND, TRACE 15% SILT, LOOSE, MOIST.
40-42		6-5 5-8	GT-18 40-42	12/24"	MOIST	0.0 0.0	SP	SAA.

AECOM		Project Number:		Site:		PPG SITE 114 NORTHERN PROPERTY BOUNDARY, NORTH OF IRL #2		Boring ID:		GT-18	
Project Manager:		Drilling Co.:		SBS		Logged By:		KANTOR		Date Started:	
Drilling Co.:		SBS		Lab Sample ID		Driller:		RAUSN		Date Finished:	
Depth		Elevation		Blow Count		Lab Sample ID		Recovery		Moisture	
Feet		Feet		Blow Count		Lab Sample ID		Feet		Moisture	
Feet		Feet		Blow Count		Lab Sample ID		Feet		Moisture	
42-44		5-9	GT-18	10/24"	MOIST TO VERY MOIST	0.0	0.0	SP	REDDISH BROWN 2.5YR 4/3 VF SAND, TRACE 2.5% SILT AND 4.3% CLAY, LOOSE TO MED DENSE MOIST TO VERY MOIST		
44-46		6-8	GT-18	8/24"	MOIST	0.0	0.0	SP	TOP 4" SAA		
		7-12	44-46			0.0	0.0	CL	BOTTOM 4" REDDISH BROWN 5YR 5/4 CLAY, TRACE 10% VF SAND AND 8-10/INCH. SUGHTRY PLASTIC, SOFT, MOIST		
46-48		8-16	GT-18	24/24"	MOIST	0.0	0.0	SP	TOP 11" REDDISH BROWN 2.5YR 4/3 VF SAND, TRACE 1.5% CLAY AND SILT, MOIST		
		24-32	46-48			0.0	0.0	CL	MIDDLE 6" - REDDISH BROWN 2.5YR 5/3 CLAY, TRACE 100% VF SAND AND 8, SUGH. PLASTIC SOFT		
								SP	BOTTOM 7" REDDISH BROWN 2.5YR 4/3 VF SAND, LITTLE 1.5% CLAY BANDS, 1/2" TO 1/4" THICK, MED. DENSE, MOIST		
48-50		10-20	GT-18	11/24"	MOIST	0.0	0.0	SP	REDDISH BROWN 2.5YR 4/3 VF F SAND, TRACE 1.5% SILT, DENSE, MOIST		
		33-38	48-50								
									END BORING AT 50 FEET.		

AECOM		Project Number:		Boring ID:				
		Site:		Sheet: 1 of 3				
Project Manager:		Logged By:		Date Started:				
Drilling Co.:		Driller:		Date Finished:				
Drilling Method:		Ground Elev.:		Depth of Boring:				
Water Level:								
Depth	Elevation	Blow Counts	Lab Sample ID	Recovery	Moisture	PI	USCS	Classification of Material
feet	feet			Feet		ppm		USCS; Modified Burmeister
0-1								ASPHALT AND 3/4" STONE
1-2	CHEM ANAL GT-19-1-2 1315	9-12	GT-19-1-2	12/12"	DRY	00	FILL	DARK BROWN 10YR 3/3 F-SAND, LITTLE 20% M-C SAND, TRACE 10% F-M GRAVEL, CONCRETE AND BRICK, DRY, 50% COAR
2-4	WAS/MSD 1317	6-1/2"	GT-19-2-4	9/24"	DRY	00	FILL	DARK REDDISH BROWN 2.5YR 2.5/3 F-C SAND, SOME TO LITTLE, 20% ASH, LOOSE, DRY 80% COAR
4-6	CHEM ANAL GT-19-3-6 1335	15-9	GT-19-4-6	15/24"	WET	00	FILL	TOP 3" - SAA; WET BOTTOM 12" - DARK REDDISH BROWN 2.5YR 3/3 F-M SAND, LITTLE 20% SILT, TRACE 5% CLAY, LOOSE, WET, 100% WEATHERED COAR
6-8		1-1	GT-19-4-8	2/24"	WET	00	FILL	SAA
8-10		3-3	GT-19-8-10	12/24"	WET	00	FILL	BLACK ASH CINDERS, BELOW 2" LAYER OF FINE V-F SAND, LOOSE, WET 10% COAR, SLIGHT PETROLEUM ODOR
10-12	CHEM ANAL GT-19-10-12 1345 DPE	10-9	GT-19-10-12	12/24"	WET	00	FILL	ASH CINDERS, 10% COAR, SLIGHT, PETROLEUM ODOR
12-14	GT-19-10-12 1350	3-8	GT-19-12-14	11/24"	MOIST	00	FILL	TOP 1" SAA BOTTOM 9" DARK REDDISH GRAY 5YR 4/2 V-F SAND, SOME TO LITTLE 20% M-SUBROUND GRAVEL, TRACE 10% SILT AND M-SAND, MED DENSE, MOIST
14-16		9-15	GT-19-14-16	NR	-	-	-	NO RECOVERY
16-18	CHEM ANAL GT-19-16-17 1414	4-2	GT-19-16-18	12/24"	MOIST	00	SP	TOP 9" - REDDISH BROWN 5YR 5/4 F-SAND, LITTLE, 10% SILT, TRACE 15% M-C SAND AND F-GRAVEL, MED DENSE, MOIST
18-20		7-7	GT-19-18-20	24/24"	MOIST	00	PT	BOTTOM 3" PEAT
20-22		3-4	GT-19-20-22	24/24"	MOIST		PT	PEAT
22		5-6					OL	TOP 11" PEAT GRADING TO A VERY DARK GRAY 7.5 YR 3/1, ORGANIC CLAY, MOD PLASTIC, MOIST, SOFT BOTTOM 13" GRAY GLEY 1.5/N ORGANIC SILT AND V-F SAND, GRADING TO CLAY AT BASE, SOFT, MOD PLASTIC

AECOM		Project Number:		Boring ID: GT-19				
		Site:						
		PPG SITE 114 - NORTH PROPERTY BOUNDARY - NORTH CENTER OF IRM #2		Sheet: 2 of 3				
Project Manager:		Logged By: KANTOR		Drilling Method: 4 1/4" ID HSA				
Drilling Co.: SGS		Driller: RAUSA		Ground Elev.: -				
		Date Started: 4/26/11		Depth of Boring: -30'				
		Date Finished: 4/27/11		Water Level: 11-4'				
Depth	Elevation	Blow Counts	Lab Sample ID	Recovery	Moisture	PI	USCS	Classification of Material
feet	feet			Feet		ppm		USCS; Modified Burmeister
22-24		14-5 7-8	GT-19 22-24	14/24"	MOIST to VERY MOIST	0.0 0.0 0.0	OL SP	TOP 4" GRAY GLEY 1 5/8" ORGANIC SILT GRADING TO BOTTOM 10" OF DARK GREENISH GRAY GLEY 2 4/5 BG V.F. SAND, TRACE 2.5% SILT AND ORGANICS, BOOSE, VERY MOIST
24-26		4-1 2-3	GT-19 24-26	18/24"	MOIST	0.0 0.0 0.0	ML	DARK OLIVE GRAY 5 3/32 SILT, LITTLE TO TRACE, 10% V.F. SAND AND CLAY, SOFT, NON-PLASTIC MOIST, TRACE 2% ORGANICS
26-28		12-1 2-1	GT-19 26-28	16/24"	MOIST	0.0 0.0 0.0	ML	SAA
28-30		3-6 6-7	GT-19 28-30	10/24"	MOIST to VERY MOIST	0.0 0.0	ML	DARK GRAY 5 1/2 SILT, LITTLE, 20% C-ANGULAR RED SILTSTONE GRAVEL, LITTLE TO TR. 10% CLAY, TRACE 2.5% V.F. SAND, SOFT, MOIST TO VERY MOIST
30-32		6-5 12-13	GT-19 30-32	12/24"	VERY MOIST	0.0 0.0	SP	REDDISH BROWN 2.5 1/2 V.F. SAND, LITTLE 10% M-F subrounded gravel, SILT AND CLAY, TRACE 2.5% M-C SAND, MED DENSE, VERY MOIST
32-34		21-23 25-23	GT-19 32-34	15/24"	VERY MOIST	0.0 0.0 0.0	SW	WEAK RED 10 2 1/4 F-M SAND, SOME TO LITTLE 20% C-SAND AND F.M. ROUNDED TO SUBROUNDED GRAVEL, TRACE 2.5% SILT, MED. DENSE, VERY MOIST
34-36		10-15 24-36	GT-19 34-36	7/24"	WET	0.0 0.0	SW	BROWN 7.5 1/2 F-C SAND, TRACE 2.5% F-SUBROUNDED GRAVEL, MED. DENSE, WET
36-38		39-31 38-38	GT-19 36-38	12/24"	VERY MOIST to WET	2.0 2.0	SW to GM	REDDISH BROWN 5 1/2 1/4 F-M SAND, LITTLE F-C SUBANGULAR GRAVEL, INCREASING WITH DEPTH, LITTLE, 10% C-SAND, TRACE 2.5% SILT, VERY DENSE, VERY MOIST TO WET
38-40		11-18 14-27	GT-19 38-40	12/24"	MOIST	0.0 0.0	SP	TOP 2" SAA BOTTOM 10" - REDDISH BROWN 2.5 1/2 1/4 V.F. SAND, 1 1/2" BAND OF F.V.F. SAND ABOUT 39' 9", TRACE 2.5% SILT, MED. DENSE, MOIST
40-42		19-19 18-26	GT-19 40-42	15/24"	MOIST	0.0 0.0 0.0	SP	REDDISH BROWN 2.5 1/2 1/4 V.F. SAND, LITTLE TO TRACE 10% SILT, in 2" BANDS, TRACE 2.5% F-SAND, BAND, 1 1/2" THICK AROUND 41' 5", MED DENSE, MOIST
42-44		17-16 15-20	GT-19 42-44	14/24"	VERY MOIST	0.0 0.0 0.0	SP	REDDISH BROWN 2.5 1/2 1/4 V.F. SAND, TRACE 2.5% F-SAND AND SILT, MED DENSE, VERY MOIST

AECOM

Project Number:

Site:

PPG SITE 114 - NORTH PROPERTY
BOUNDARY, NORTH CENTER OF 1RM #2

Boring ID:

GT-19

Sheet:

3 of 3

Drilling Method:

4 1/4" ID HSA

Ground Elev.:

Depth of Boring:

50'

Water Level:

7-4'

Project Manager:

Logged By:

KANTOR

Date Started:

4/26/11

Drilling Co.:

SGS

Driller:

RAOSA

Date Finished:

4/27/11

Depth
feet

Elevation
feet

Blow Counts

Lab Sample ID

Recovery
Feet

Moisture

PID
ppm

USCS

Classification of Material

USCS; Modified Burmeister

44-46

7-10
13-26

GT-19
44-46

18/24

MOIST
0.0
0.0
0.0

SP

REDDISH BROWN 2.5YR 4/4 F-SAND, LITTLE 20%
CLAYEY SILT BANDS AROUND 45', 42" AND 41"
THICK, LOOSE TO MED DENSE, MOIST

46-48

18-22
24-25

GT-19
46-48

16/24"

VERY
MOIST
0.0
0.0
0.0

SP
SP

TOP 4" - 2" CLAYEY SILT BAND AROUND 2" F-SAND
BOTTOM 12" REDDISH BROWN 2.5YR 4/4 VF-SAND
MED. DENSE, VERY MOIST

48-50

6-10
15-24

GT-19
48-50

16/24

MOIST
to
VERY
MOIST
0.0
0.0
0.0

SP
SP

TOP 14" REDDISH BROWN 2.5YR 4/4 F-VF SAND,
MED DENSE MOIST.
BOTTOM 2" - REDDISH BROWN 2.5YR 4/4 VF-
SAND, MED. DENSE, VERY MOIST

END BORING AT 50 FEET

AECOM		Project Number:		Site:		PRG SITE 114 NORTHERN PORTION OF SITE		Boring ID: GT-3	
		Sheet: 1 of 3		Drilling Method: 4 1/4" ID HSA		Ground Elev.: 50'		Depth of Boring: 50'	
Project Manager:		Logged By: KAY TOE		Date Started: 4/20/11		Date Finished: 4/20/11		Water Level: 4'-6"	
Drilling Co.: SCS		Driller: RAY SA							
Depth	Elevation	Blow Count	Lab Sample ID	Recovery	Moisture	PI	USCS	Classification of Material	
Feet	Feet			Feet	%			USCS: Modified Bulkmaster	
0-1'								ASPHALT AND BASE STONE	
1-2'	CHEM ANAL 1-2	13-19	GT-3 (1-2)	7/12"	DRY TO MOIST	00	FILL	ASH CINDER SAND COAL, LITTLE 45% DUNE GRAY SILT, MED DENSE, DRY TO MOIST, TRACE SILEX, 25% COAL	
2-4'	OTSD	5-6	GT-3 33	12/24	MOIST	00	FILL	TOP 4" BLACK SILT 2.5/1 F.SAND, SOME 30% SILT, LITTLE 20% F.S. GRAIN GRACE, TRACE LIGNITE SAND AND ORGANICS, LOOSE, MOIST	
			8-4			00		BOTTOM 8" GRAY/BLACK ASH CINDERS, MOIST	
4-6'		32	GT-3 4-6	11/24"	MOIST TO WET	00	FILL	GRAY/BLACK ASH CINDERS, MOIST TO WET, LOOSE, 50% COAL	
		4-5				00			
6-8'	CHEM ANAL 6-7	12-12	GT-3 6-8	16/24"	MOIST TO WET	00	FILL	TOP 5" - STRONG BROWN 7.5/1R 4/6 ASH CINDER LITTLE 10% SILTY F.SAND, TRACE 45% GRAVEL	
	0825	12-10				00		MIDDLE 6" YELLOW BROWN 10/14 SILT, LITTLE 20% GRAY F.SAND, AND ORGANICS, MOIST SAT	
						00		BOTTOM 6" GRAY BEM, LITTLE F.SAND, WET	
8-10'	CHEM ANAL 9-10	10-8	GT-3 8-10	13/24"	WET	00	FILL	ASH CINDERS, LITTLE C-SUBANGULAR GRAVEL, TRACE 10% SILT AND F.SAND, COAL AND CINDER, VARIOUS COLORATIONS FROM RUST TO WHITE, MANY TO PEEL, COARSE, WET	
	0835	10-10				00			
10-12'		13-7	GT-3 10-12	NR	-	-	-	NO RECOVERY - LARGE GRAVEL IN TIP	
		7-40				-			
12-14'		22-24	GT-3 12-14	4/24	WET	00	FILL	F-C GRAVEL, ANGULAR, LITTLE TO TRACE 10% M-C SAND, TRACE 45% F.SAND AND ORGANICS, DENSE, WET	
		30-38				00			
14-16'		15-35	GT-3 14-16	16/24	MOIST TO WET	00	SM	BROWN 7.5/1R 4/4 F.SAND AND SILT, LITTLE 10% F-C GRAVEL, TRACE 45% C SAND, VERY DENSE, MOIST TO WET, VERY SLIGHT AMMONIA	
		75-48				00		OPEL	
16-18'	CHEM ANAL 16-17	10-14	GT-3 16-18	20/24	MOIST	00	SM	TOP 8" SAA	
	0945	11-5				00	ML	MIDDLE 2" VERY DARK GRAYISH BROWN 2.5/3/2 SILT, SOME VF-F.SAND, MOIST	
						00	PT	BOTTOM 10" PEAT, STRONG H2 SOIL	
18-20'		2-2	GT-3 18-20	16/24	MOIST	00	OL	VERY DARK GRAY 5/3/1 CLAYEY SILT, TRACE 45% V F.SAND AND ORGANICS, SLIGHTLY PLASTIC, MOIST, SOFT, SPREADING H2S ODO	
		2-5				00			
20-22'		1-1	GT-3 20-22	16/24"	MOIST TO WET	00	OL	TOP 4" SAA	
		12-38				00		BOTTOM 7" BROWN 10/14 4/2 F.C SAND OVER 2" OF GRAY GLEY 1 6/N F.C SAND, OVER 3" OF MIXED COLOR F.C SAND AND GRAVEL, WET	

AECOM		Project Number:		PPG SITE 114 - NORTHERN PORTION OF SITE		Boring ID: GT-3	
		Site:				Sheet: 2 of 3	
Project Manager:		Logged By: KAN TO R		Date Started: 4/20/11		Drilling Method: 4 1/4" D HSA	
Drilling Co.: SGS		Driller: RAUSA		Date Finished:		Ground Elev.: 50'	
Depth:		Lab Sample ID:		Depth of Boring: 80'		Water Level: 7'-6"	
Elevation:		Recovery:		Moisture:		USCS:	
Blow Count:		Feet		Feet		Classification of Material	
Feet		Feet		Feet		USCS: Modified Bumpster	
22-24	10-38 30-38	GT-3 22-24	12/24	MOIST	0.0 0.0	SP CL	WEAK RED F.S.R 4/4 F-SAND, SOME 35% M-C SUBGRAINED GRAVEL, LITTLE TO TRACE 10% M-C SAND AND SILT, MOIST, DENSE
24-26	2-2 5-6	GT-3 24-26	10/24"	WET	0.0 0.0	SP SO	REDISH BROWN 10R 4/3 F-SAND, LITTLE TO TRACE 20% M-C SAND, TRACE 5% F-ROUNDED GRAVEL, LOOSE, WET
26-28	8-12 22-30	GT-3 26-28	14/24	WET to MOIST	0.0 0.0 0.0	SP SO SP	TOP 2" SAA BOTTOM 12" REDISH BROWN 2.5YR 4/4 V-F-SAND, TRACE 5% SILT, MED DENSE, MOIST
28-30	10-16 25-28	GT-3 28-30	14/24"	MOIST	0.0 0.0 0.0	SP	REDISH BROWN 2.5YR 4/4 V-F-SAND, LITTLE TO TRACE, 10% SILT, MED DENSE, MOIST
30-32	4-4 12-13	GT-3 30-32	14/24"	MOIST to WET	0.0 0.0 0.0	SP	TOP 8" SAA BOTTOM 6" REDISH BROWN 2.5YR 4/4 V-F-SAND, LITTLE, 20% CLAYEY SILT BANDS, 1/4 TO 1/16" THICK, LOOSE TO MED DENSE MOIST TO WET
32-34	8-9 12-14	GT-3 32-34	12/24	MOIST to WET	0.0 0.0 0.0	MH SP	REDISH BROWN 2.5YR 4/4 SILT, LITTLE 10% V-F SAND AND CLAYEY SILT BANDS 2 1/16" THICK, MED. FIRM, MOIST TO WET
34-36	12-8 9-10	GT-3 34-36	17/24"	MOIST to WET	0.0 0.0 0.0	MH SP	REDISH BROWN 2.5YR 4/4 SILT, SOME 35% F-SAND BANDS 2-3" THICK, LITTLE CLAYEY SILT BANDS 1/16" THICK, 30 FT, MOIST TO WET
36-38	4-4 10-14	GT-3 36-38	11/24"	MOIST	0.0 0.0 0.0	SP	REDISH BROWN 2.5YR 4/4 V-F-SAND, TRACE 10% SILT, LOOSE, MOIST
38-40	3-3 5-10	GT-3 38-40	11/24"	MOIST	0.0 0.0 0.0	SP	SAA
40-42	8-10 14-28	GT-3 40-42	15/24"	MOIST	0.0 0.0 0.0	ML	PAVED REDISH BROWN 2.5YR 4/4 SILT, V-F SAND AND GRAY 5Y 6/1 CLAY, FIRM, MOIST
42-44	9-11 11-16	GT-3 42-44	15/24"	MOIST to WET	0.0 0.0 0.0	ML	REDISH BROWN 2.5YR 4/4 SILT, LITTLE 10% V-F SAND, TRACE 5% CLAY, MOD. SOFT, MOIST TO WET

AECOM				Project Number:		Boring ID:	
Site:				PPG SITE 114 NORTHERN PORTION OF SITE		Sheet: 2 of 3	
Project Manager:				Logged By:		Drilling Method:	
Drilling Co.:				Driller:		Ground Elev.:	
SGS				KANTER		Depth of Boring:	
				RADSA		Water Level:	
Date Started:		Date Finished:					
4/20/11		4/20/11					
Depth	Elevation	Along Gauge	Lab Sample ID	Recovery	Moisture	RD	USCS
Feet	Feet			Feet			
44		10-10	GT-3	11/24	MOIST TO WET	00-00	MH
46		11-11	44-46				
46		9-5	GT-3	14/24	MOIST TO WET	00-00	CL
48		8-22	46-48				
48		12-7	AT-3	9/24	WET	00	SW
50		7-10	48-50				
							END BORING AT 50 FEET

AECOM		Project Number:		DPG SITE 114 - NORTH CENTRAL PORTION OF SITE, WEST OF FARRIS CANAL				Boring ID: GT-4		
		Site:						Sheet: 1 of 3		
		Drilling Method:						4 1/4" ID HSA		
Project Manager:		Logged By: K. J. T. D.		Date Started: 4/18/11		Depth of Boring: 51'		Water Level: 4'-6"		
Drilling Co.: SCS		Driller: R. AUSTIN		Date Finished: 4/19/11						
Depth	Elevation	Blow Counts	Lab Sample ID	Moisture	USCS	Classification of Material				
feet	feet			Percent	gpc	USCS: Modified Bloomfield				
0-3"						ASPHALT				
3"-24"						3/4" BASE STONE, TRAP ROCK, SOME SOIL				
2-4 (2-3)		100%	GT-4 2-3	6/12"	MOIST 0.0	FILL	VERY DARK BROWN F.S. YR 2.5/2 SILT, SOME ASH CINDERS, LITTLE M.C. SUBRANDED GRAVEL, 20% M, TRACE 5% F. M. SAND, MOIST, 80% COAR AUGER TO 4 FEET PAST BROWN REFUGAL			
4-6		9-4 6-13	GT-4 4-6	17/24"	MOIST 0.0 0.0 0.0	FILL FILL FILL	TOP 4" SAA MIDDLE 6" RED 2.5 YR 4/6 F. SAND, LITTLE 20% GRAY ASH, TRACE 10% SILT AND M. SAND, MED DENSE BOTTOM 7" GRAY/BLACK ASH CINDERS, LITTLE 20% F. SAND, CLUMBY IN TIP, MED DENSE, MOIST			
6-8		15-5 1-1	GT-4 6-8	7/24"	WET 0.0	FILL	BLACK ASH CINDERS, VERY LOOSE, WET, 80% COAR			
8-10		1-1 14-11"	GT-4 8-10	2/24"	WET 0.0	FILL	ASH CINDERS, VERY LOOSE, WET, 40% COAR			
10-12		1/2" 1/12"	GT-4 10-12	5/24"	WET 0.0	FILL	ASH CINDERS, SLAG, COAL, WET, VERY LOOSE 25% COAR			
12-14		2-3 25-35	GT-4 12-14	14/24"	WET 0.0	FILL FILL GM	UPPER 4" SAA MIDDLE 7" VERY DARK GRAYISH BROWN 2.5 YR 3/2 F. SAND, SILT, TRACE 10% F. GRAVEL, SLAG AND M. SAND, 25% ORGANICS, VERY MOIST BOTTOM 3" DARK REDDISH BROWN 5 YR 3/3 F. SAND AND GRAVEL, MED DENSE, WET			
14-16		16-18 32-27	GT-4 14-16	9/24"	MOIST TO WET 0.0 0.0	SM/ GM	DARK REDDISH BROWN 5 YR 3/3 F. SILTY SAND, SOME TO LITTLE 30% SUBRANDED GRAVEL, TRACE 15% WOOD/ORGANICS, MED DENSE, MOIST TO WET			
16-18		3-4 6-7	GT-4 16-18	19/24"	MOIST 0.0 0.0 0.0	PT	PEAT, SOME TO LITTLE, 20% 6 Y 4/1 GRAY ORGANIC SILT, TRACE 5% CLAY, MOIST, MODERATE AMMONIA ODOR			
18-20		3-6 9-45	GT-4 18-20	17/24"	MOIST TO WET 0.0 0.0	PT SM/ GM	TOP 9" SAA BOTTOM 6" REDDISH BROWN 2.5 YR 4/4 F. SAND, SOME 30% ORGANIC SILT AND F.C. SUBRANDED GRAVEL, TRACE 10% CLAY AND M.C. SAND, MOIST TO WET			
20-22		10-23 28-50	GT-4 20-22	8/24"	MOIST TO WET 0.0 0.0		REDDISH GRAY 10R 5/1 F. SAND, SOME 30% M-F SUBRANDED GRAVEL, TRACE 10% M.C. SAND AND SILT, MED DENSE, MOIST TO WET, MOD. HES ORDR			

AECOM		Project Number:		Boring ID:				
Site:		PPG SITE 114 NORTH CENTRAL PORTION OF SITE, WEST OF MORRIS CANAL		GT-4				
Project Manager:		Logged By:		Sheet:				
Drilling Co.:		Driller:		2 of 3				
SGS		KAN TOE RAUSA		4/11/11				
Date Started:		Date Finished:		4/19/11				
Depth of Boring:		Water Level:		56'				
Ground Elev.:				+/- 6'				
Depth	Elevation	Blow Counts	Lab Sample ID	Recovery	Moisture	AO	USCS	Classification of Material
Feet	Feet	Blow Counts	Lab Sample ID	Feet	Moisture	AO	USCS	USCS; Modified Butterfield
22-24		28-35 35-38	GT-4 22-24	12/24	WET MOIST to WET	00 00	GM	REDDISH BROWN 5/8 4/4 F-SAND, SOME 35% C-F, SUBROUND TO SUBANGULAR GRAVEL, LITTLE 10% M-SAND, TRACE 5% SILT AND C-SAND, MED DENSE, MOIST to WET
24-26		15-11 10-9	GT-4 24-26	11/24	WET	00 00	SW	REDDISH BROWN 5/8 4/4 F-C SAND, LITTLE to TRACE, 10% F-M SUBANGULAR GRAVEL, LOOSE, WET
26-28		4-4 11-13	GT-4 26-28	20/24	WET	00 00 00 00	SW	REDDISH BROWN 5/8 4/4 F-C SAND, LITTLE to 80% SILT, BOTTOM 3" VF SILTY SAND, LOOSE WET
28-30		10-11 12-18	GT-4 28-30	10/24	WET	00 00	SP	REDDISH BROWN 5/8 4/4 VF SAND, LITTLE to 20% SILT, LOOSE, WET
30-32		7-8 10-7	GT-4 30-32	12/24	WET	00 00	SP	REDDISH BROWN 5/8 4/4 VF SAND, LITTLE to TRACE SILT, 10% LOOSE, WET
32-34		10-10 5-6	GT-4 32-34	13/24	MOIST to WET	00 00 00	SP	SFA
34-36		7-7 7-14	GT-4 34-36	16/24	MOIST to WET	00 00 00	SP	REDDISH BROWN 5/8 4/4 VF SAND, LITTLE SILT, 20% in 3" BAND 7" FROM BOTTOM, LOOSE, MOIST to WET
36-38		11-11 13-18	GT-4 36-38	20/24	MOIST	00 00 00 00	SP	REDDISH BROWN 5/8 4/4 VF SAND, TRACE 5% SILT, MED DENSE, MOIST
38-40		3-3 18-21	GT-4 38-40	24/24	MOIST	00 00 00 00	SP ML CL	TOP 16" SFA BOTTOM 8" REDDISH BROWN 5/8 4/4 BANNED SILT AND VF SAND, 4/8" THICK, TRACE GRAY CLAY BANDS BOTTOM 4" FIRM, MOIST
40-42		8-7 5-4	GT-4 40-42	23/24	WET	00 00 00 00	ML CL MH	TOP 4" SFA BOTTOM 4" REDDISH BROWN 5/8 4/4 SILT TRACE 5% VF SAND AND CLAY, WET, MOD SOFT.
42-44		15-11 12-10	GT-4 42-44	15/24	WET	00 00 00	ML MH	REDDISH BROWN 5/8 4/4 SILT, SOME, 35% CLAY, TRACE 5% VF SAND, MOD SOFT, WET

4/18
4/19

AECOM						Project Number:		Boring ID:		Sheet:	
Site:						PRG SITE 114-NORTH CENTRAL PORTION OF SITE, WEST OF MORRIS CANAL				2 of 3	
Project Manager:						Logged By:		Date Started:		Depth of Boring:	
Drilling Co.:						Driller:		Date Finished:		Water Level:	
Depth		Elevation	Blow Counts	Lab Sample ID	Recovery	Moisture	AD	USCS	Classification of Material		
Feet		Feet		Feet			pcm		USCS: Modified Burmeister		
44		9-5	GT-4	16/24	MOIST	00	CL	TOP 12" BROWN, F.S.YR 4/5 BANNED CLAY LITTLE TO TRACE 10% VF SAND AND SILT			
46		10-27	44-46			00	SC	BOTTOM 4" BROWN F.S.YR 5/2 F-SAND, LITTLE 20% CLAY, MED DENSE, VERY MOIST.			
48		9-11	GT-4	20/24	MOIST TO WET	00	SP	BROWN F.S.YR 4/4 F-SAND, TRACE 10% F-ANGULAR GRAVEL, C-SAND AND SILT, MED. DENSE, MOIST. TO WET.			
48		14-26	46-48			00					
50		6-7	GT-4	13/24"	MOIST TO WET	00	SP	TOP 7" BROWN F.S.YR 5/2 F-SAND, LITTLE SILT AND M-C SAND, TRACE 15% M-subrounded GRAVEL, MED DENSE, MOIST			
		20-45	48-50			0.0	SM	MIDDLE 4" - REDDISH BROWN S.YR 4/4 V-F-SANDY SILT, FIRM, MOIST TO WET			
							SP	BOTTOM 2" BROWN F.S.YR 5/2 F-SAND, LITTLE 20% SILT, TRACE 15% M-SAND, MED DENSE, WET			
								END BORING AT 50 FEET			

AECOM		Project Number:		Boring ID: GT-5				
Site:		PRG-SITE 114-NORTHERN PORTION OF SITE, JUST EAST OF MOBEU CANAL		Speed: 3 OF 3				
Project Manager:		Logged By: KANDOR		Drilling Method: 4 1/4" ID HSA				
Drilling Co.: SGS		Date Started: 4/21/11		Ground Elev.: -80'				
Driller: RADSA		Date Finished: 4/21/11		Water Level: +1.5'				
Depth	Elevation	Blow Count	Lab Sample ID	Flucosity	Moisture	PI	USCS	Classification of Material
Feet	Feet			Feet		g/gm		USCS: Modified Balmister
0-1'								ASPHALT AND 3/4" BASE
1-2	CHRM ANAL GT-5-12 1045	6-20	GT-5 1-2	5 1/2"	DRY TO MOIST	00	FILL	DARK REDDISH GRAY 100% F.SAND, SOME, 30% SILT, TRACE 10% F. ANGULAR GRAVEL, MED, DENSE DRY TO MOIST, 100% C.C.P.
2-4		9-19 29-25	GT-5 2-4	6 1/4"	DRY TO MOIST	00	FILL	SAA
4-6	CHRM ANAL GT-5-16 1100	7-6 5-22	GT-5 4-6	17 1/4"	WET	00 00 00	FILL	BLACK F. ASHCINDER, LITTLE F. SAND AND SILT, TRACE 10% F. ANGULAR GRAVEL, WEATHER CONCRETE IN TIP, LOOSE, WET 60% C.C.P.
6-8		7-20 16-20	GT-5 6-8	18 1/4"	WET	00 00 00	FILL	TOP 6" ASHCINDER, DARK, WET 40% C.C.P. MIDDLE 5" PALE BROWN 2.5% F.SAND, LITTLE, 20% F.SAND, FIRM, MOIST, 100% G.G.M. BOTTOM 5" GRAY/BLACK ASHCINDERS, WET, 30% C.C.P.
8-10		5-17 10-9	GT-5 8-10	21 1/4"	WET TO MOIST	00 00 00	FILL	TOP 4" BLACK ASHCINDER AND PALE OLIVE 10% F.SAND, LITTLE 10% F.SAND, WET 30% G.G.M. 25% C.C.P. BOTTOM 17" PALE OLIVE 10% F.SAND, LITTLE, 10% F.SAND, MOIST, 100% G.G.M.
10-12	CHRM ANAL GT-5-10 1140	5-4 1-5	GT-5 10-12	9 1/4"	VERY MOIST TO WET	00 00	FILL	TOP 7" PALE OLIVE 10% F.SAND, LITTLE 10% F.SAND, VERY MOIST, SOFT, 100% G.G.M. BOTTOM 2" BLACK ASHCINDERS, SOME, V.F. SAND AND SILT, BLACK, LOOSE, WET, TRAILWOOD.
12-14		3-4 9-9	GT-5 12-14	NR	-	-	-	NO RECOVERY
14-16	CHRM ANAL GT-5-16 1155	2-3 5-0	GT-5 14-16	18 1/4"	MOIST TO VERY MOIST	00 00 00	SP/SL	VERY DARK GRAY 2.5% F.SAND, SOME, 35% SILT, LITTLE TO TRACE, 10% CLAY, MED, DENSE MOIST TO VERY MOIST
16-18		1-6 7-20	GT-5 16-18	9 1/4"	WET	00 00	SW	WEAK RED 100% F.SAND, SOME, 30% M-C SAND, LITTLE TO TRACE 10% F.C GRAVEL, TRACE 15% SILT, LOOSE, WET
18-20		32-45 30-30	GT-5 18-20	9 1/4"	MOIST	00 00	SP/SL	DARK REDDISH BROWN 2.5% F.SAND, SOME, 30% F.C GRAVEL, LITTLE, 45% M-C SAND AND SILT, DENSE, MOIST
20-22		12-33 44-35	GT-5 20-22	12 1/4"	MOIST TO WET	00 00	SP/SL	SAA.

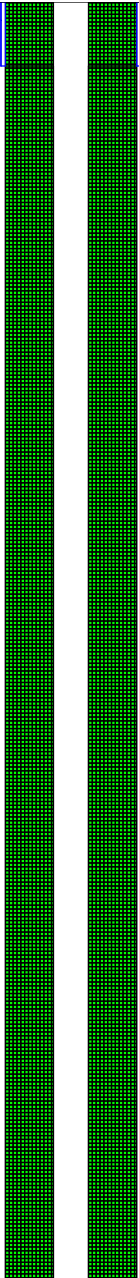


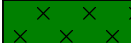
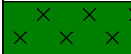
AECOM		Project Number:		Boring ID: GT-5				
		Site:		Sheet: 2 of 3				
Project Manager:		Logged By: KANTOR		Date Started: 4/21/11				
Drilling Co.: SCS		Driller: RAUSA		Date Finished: 4/21/11				
				Depth of Boring: 50'				
				Water Level: +/- 5'				
Depth	Elevation	Blow Count	Lab Sample ID	Recovery	Moisture	FD	USCS	Classification of Material
feet	feet			Feet	%	gms		USCS; Modified Estmometer
22-24		10-18 21-10	GT-5 22-24	6 1/2"	WET	00	SL	DARK REDDISH BROWN 2.5 YR 7/4 F-C SAND, SOME, 35% GRAVEL, MED DENSE, WET
24-26		2-3 24	GT-5 24-26	13 1/2"	WET MOIST TO WET	00 0.0 0.0	SP	REDDISH BROWN 5 YR 4/4 VF-F SAND, TRACE 2-5% SILT, LOOSE, MOIST TO WET
26-28		5-7 10-13	GT-5 26-28	14 1/2"	MOIST TO WET	00 0.0 0.0	SP	SAA
28-30		2-3 6-6	GT-5 28-30	19 1/2"	MOIST	00 0.0 0.0 0.0	SP	REDDISH BROWN 5 YR 4/4 VF-F SAND, TRACE, 10% SILT, LOOSE, MOIST
30-32		WH/18" -3	GT-5 28-30	11 1/2"	MOIST	00 0.0	SP	REDDISH BROWN 5 YR 4/4 VF-SAND, TRACE, 15% SILT, VERY LOOSE, MOIST
32-34		3-2 5-5	GT-5 32-34	16 1/2"	MOIST	00 0.0 0.0	SP	TOP 7" SAA BOTTOM 4" REDDISH BROWN 5 YR 4/4 SILT, LITTLE 20% VF SAND AND CLAY, SLIGHTLY PLASTIC, FIRM, MOIST
34-36								NO SAMPLE - WATER JET HEAVING SANDS FORMATION VERY LOOSE, AND DROPPED TO 36 FEET Spoon
36-38		3-4 5-4	GT-5 36-38	6 1/2"	MOIST	00	CL/ SM	REDDISH BROWN 5 YR 5/4 NON HOMOGENEOUS CLAY AND VF SANDY SILT BANDS, SLIGHTLY PLASTIC, SOFT, MOIST
38-40		3-6 14-12	GT-5 38-40	18 1/2"	MOIST TO WET	00 0.0 0.0 0.0	SM/ CL SP SM	TOP 10" REDDISH BROWN 5 YR 4/4 VF-SANDY SILT AND CLAY BANDS, SLIGHTLY PLASTIC, SOFT, MOIST BOTTOM 8" REDDISH BROWN 5 YR 4/4 VF-SAND, SOME 30% SILT, MED DENSE, MOIST TO WET
40-42		4-4 4-4	GT-5 40-42	16 1/2"	MOIST TO WET	00 0.0 0.0	CL	REDDISH BROWN 5 YR 4/4 CLAYEY SILT, TRACE 10% VF-F SAND AND CLAY BANDS, SLIGHTLY PLASTIC, SOFT, MOIST TO WET
42-44		3-5 5-4	GT-5 42-44	14 1/2"	MOIST TO WET	00 0.0 0.0	CL	SAA

[illegible]

PPG Sampling Program Borings

Client: PPG Industries**Site:** Site 114**Site Location:** Jersey City, NJ**Geologist:** M.Merdinger, P. Kelly**Drilling Company:** Advanced Drilling Inc**Driller** A. Heiliy**Drilling Date:** 1/2/2007**Well Completion Date:** 1/5/2007**Elevation** 16.78**State Plane Coordinates** X: 610610.7 Y: 683366.7**Drilling Method:** Split spoon**ENSR** | **AECOM****114-MW16B**

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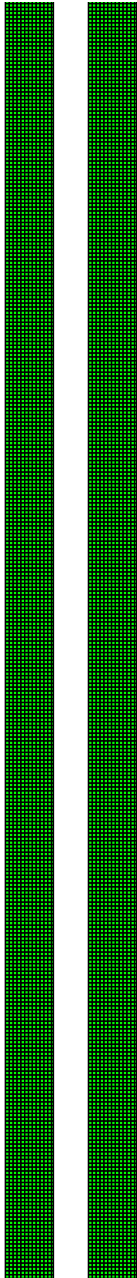
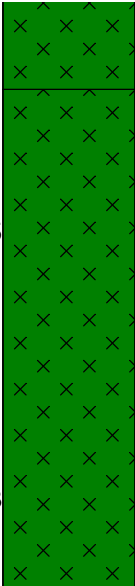
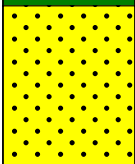
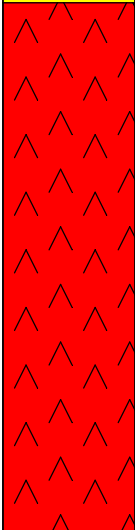
Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
0		Concrete Steel PVC Bent-cement grout	0.0			ASPHALT
1						Dark Brown (7.5YR 3/3) SILT, trace fine Sand and Clay, Fill material (fractured rock, terracotta asphalt, ceramics), dry. No odor.
2						No Sample
3						Brown (7.5YR 4/2) clayey SILT, trace fine Sand and rock fragments, moist. No odor.
4						No Sample
5		114-MW16BA (8.5-9.0) PCE	N/A	12		Yellowish Brown (10YR 5/4) very fine silty SAND, some Clay, 25% COPR, wet. No odor.
6						No Sample
7						
8						
9						
10						
11						

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983

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Page: 2 of 3

Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
12		114-MW16BB (12.0-13.0) PCE	0.0	8		Red Brown SAND and CLAY, some fine Gravel, little coarse Gravel.
				73		
13				6		
				44		
14			0.0	100/5		
				N/A		
15				5		
				24		
16		114-MW16BC (16.0-17.0) PCE	0.0	28		
		114-MW16BCD (16.0-17.0) PCE		100/3		
17				2		
				3		Green Brown coarse SAND, some Clay, little fine Gravel.
18		114-MW16BD (18.0-18.5) PCE	0.0	25		
				47		
19						Olive Gray SILTSTONE, some quartzite, little Black chert.
20			N/A			
21						
22						
23						

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ENSR | AECOM


114-MW16B


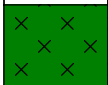
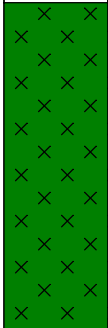
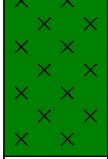
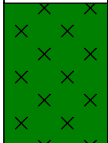
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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
24		#00 Sand Pack	N/A			
25						
26						
27						Black Gray DIABASE, some quartzite crystals
28		#1 Sand Pack				
29						
30						
31		PVC Screen				
32			N/A			Orange plagioclase-feldspar (fracture), some Black Gray diabase with quartz crystals.
33			N/A			Black Gray DIABASE, some quartz crystals.
34						
35						End of Boring at 35.5 ft.

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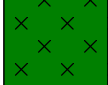
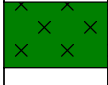
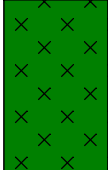
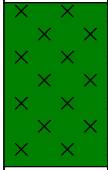
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		Site: Site 114				
Start Date: 10/11/2006		Project: Site Investigation			Page: 1 of 13	
		Coordinates: X-611263.5 Y-682737.4			Depth of Boring: 101.20	
End Date: 11/3/2006		Elevation: 11.78			Geologist: M. Merdinger	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

0		ASPHALT: Asphalt	N/A			
		NR: No Sample				
		FILL: Grayish Brown (10YR 5/2) Fill Material (Ash, Brick, Slag, Concrete, coarse Sand and Silt, Ceramics, Mudstones)				
		NR: No Sample				
2						
		FILL: Light Brownish Gray (10YR 6/2) CLAY, some Silt and Gravel, Fill Material (Ash, Brick, Rock Fragments, Slag)				
4						
		FILL: Light Gray (5Y7/2) coarse to medium SAND and medium to fine GRAVEL, some Silt and Wood Chips, Tile pieces, wet.	0.0 ppm	3		
				2		
6		NR: No Recovery		2		
				3		
		FILL: Light Gray (5Y7/2) coarse to medium SAND and medium to fine GRAVEL, some Silt and Wood Chips, Tile pieces, trace Clay(-), wet.	0.0 ppm	2		
				2		

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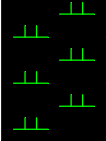
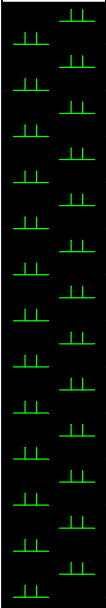
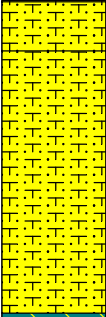
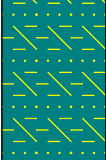
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		Site: Site 114				
Start Date: 10/11/2006		Project: Site Investigation			Page: 2 of 13	
		Coordinates: X-611263.5 Y-682737.4			Depth of Boring: 101.20	
End Date: 11/3/2006		Elevation: 11.78			Geologist: M. Merdinger	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

8		NR: No Recovery	0.0 ppm	2		
				2		
10		FILL: Light Gray (5Y7/2) coarse to medium SAND and medium to fine GRAVEL, some Silt and Wood Chips, Tile pieces, trace Clay(-), wet.	0.0 ppm	1		
				5		
				5		
				7		
12		FILL: Brown (7.5YR4/2) fine to very fine SAND, some Silt, little fine Gravel, trace Clay(-), wet.	0.0 ppm	4		
				6		
				6		
				4		
14		FILL: Brown (7.5YR4/2) medium to fine SAND, some Silt, little medium to coarse Gravel, trace Clay, wet.	0.0 ppm	4		
				5		
				7		
				5		
				2		
				2		

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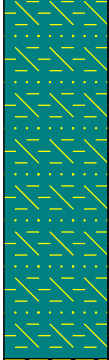
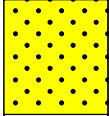
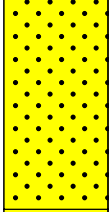
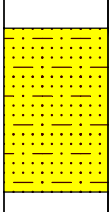
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Start Date: 10/11/2006		Project: Site Investigation			Page: 3 of 13	
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		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

16		PEAT: PEAT		1		
				1		
		NR: No Recovery				
18		PEAT: PEAT, Set steel casing at 17.5 ft bgs	0.0 ppm	3		
				2		
				3		
			0.2 ppm	3		
				4		
				3		
				3		
20			N/A	7		
				4		
				7		
				7		
				7		
				8		
				6		
22		SILTY SAND: Gray (Gley1 N5) silty SAND, some Clay, trace Peat, wet.	N/A	4		
		SILTY SAND: Gray (Gley1 N5) silty SAND, some Clay, trace Peat and fine Gravel, wet.		7		
				7		
				8		
				6		
				4		
		CLAY AND SAND: Gray (Gley1 N5) silty SAND and CLAY, some medium Sand, wet.	N/A	6		

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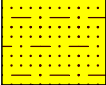
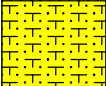



		Client: PPG Industries			BORING ID: 114-MW19C	
		Site: Site 114				
Start Date: 10/11/2006		Project: Site Investigation			Page: 4 of 13	
		Coordinates: X-611263.5 Y-682737.4			Depth of Boring: 101.20	
End Date: 11/3/2006		Elevation: 11.78			Geologist: M. Merdinger	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

24				5		
				9		
				10		
				17		
26		SAND: Dusky Red (10R 3/3) coarse to medium SAND, some fine Gravel and Silt, trace Clay(-), wet.	0.0 ppm	21		
		NR: No Recovery		28		
28		SAND: Dusky Red (10R 3/3) coarse to medium SAND, some fine Gravel and Silt, trace Clay(-), wet.	0.0 ppm	16		
				19		
				21		
		SAND AND SILT: Dusky Red (10R 3/3) coarse to medium SAND, some fine Gravel and Silt, trace Clay(-), wet.	0.0 ppm	20		
		NR: No Recovery		8		
30		SAND AND SILT: Dusky Red (10R 3/3) coarse to medium SAND, some fine Gravel and Silt, trace Clay(-), wet.		11		
		NR: No Recovery		11		
				11		
				7		
		SAND AND SILT: Dusky Red (10R 3/3) coarse to medium SAND, some fine Gravel and Silt, trace Clay(-)	0.0 ppm			

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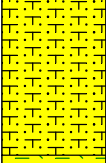
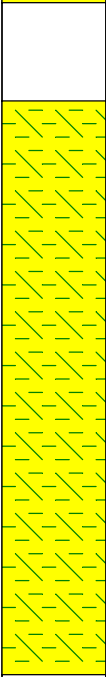
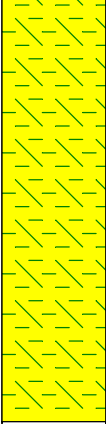
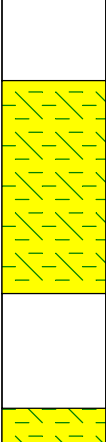
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		Site: Site 114				
Start Date: 10/11/2006		Project: Site Investigation			Page: 5 of 13	
		Coordinates: X-611263.5 Y-682737.4			Depth of Boring: 101.20	
End Date: 11/3/2006		Elevation: 11.78			Geologist: M. Merdinger	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

32	), wet. SILTY SAND: Dusk Red (10R 3/3) silty SAND, trace Clay(-), wet.		8		
				11		
34				11		
				4		
				6		
				8		
36			0.0 ppm	11		
				10		
				10		
				10		
				10		
				10		
38		NR: No Recovery	0.0 ppm	7		
				5		
				8		
				9		
				4		
				4		
		SILTY SAND: Dusk Red (10R 3/3) silty SAND, trace	0.0 ppm			

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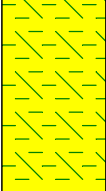

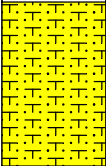

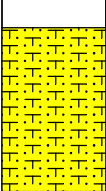
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End Date: 11/3/2006		Elevation: 11.78			Geologist: M. Merdinger	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

40		Clay(-), wet.		4		
				5		
42		SILTY CLAY: Dark Reddish Brown (5YR 3/3) silty CLAY, some very fine Sand, wet.		6		
		NR: No Recovery	0.0 ppm	6		
		SILTY CLAY: Dark Reddish Brown (5YR 3/3) silty CLAY, some very fine Sand, wet.		5		
				5		
44				6		
			0.0 ppm	5		
				6		
				6		
46		NR: No Recovery		8		
		SILTY CLAY: Dark Reddish Brown (5YR 3/3) silty CLAY, some very fine Sand, wet.	0.0 ppm	8		
				8		
				8		
		NR: No Recovery		8		
		SILTY CLAY: Dark Reddish Brown (5YR 3/3) silty		7		

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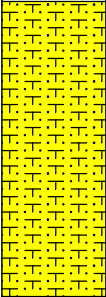
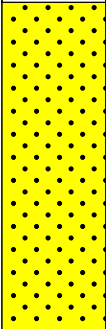
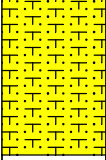
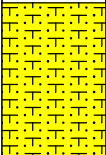
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		Site: Site 114				
Start Date: 10/11/2006		Project: Site Investigation			Page: 7 of 13	
		Coordinates: X-611263.5 Y-682737.4			Depth of Boring: 101.20	
End Date: 11/3/2006		Elevation: 11.78			Geologist: M. Merdinger	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

48		CLAY, some very fine Sand, wet.		11		
				11		
50		NR: No Recovery	0.0 ppm	16		
				NA		
				NA		
52		SILTY SAND: Weak Red (2.5YR 5/2) very fine silty SAND, little Clay, wet. No odor.	0.0 ppm	27	114-MW19CA (50.0-51.0)	Cr+6, TAL Metals
				10	114-MW19CAD (50.0-51.0)	
54		NR: No Recovery	0.0 ppm	15		
				15		
				12		
				16		
				10		
				10		
54		NR: No Recovery	0.0 ppm	15	114-MW19CB (54.0-55.0)	MS/MSD, Cr+6, TAL Metals
				12		
			N/A	12		

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Start Date: 10/11/2006		Project: Site Investigation			Page: 8 of 13	
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End Date: 11/3/2006		Elevation: 11.78			Geologist: M. Merdinger	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

56		NR: No Recovery	N/A	12		
		SILTY SAND: Weak Red (2.5YR 5/2) very fine silty SAND, moist. No odor.		13		
				14		
				15		
58		NR: No Recovery	N/A	17		
		SAND: Weak Red (2.5YR 5/2) very fine SAND, some Silt, moist. No odor.		7	114-MW19CC (58.0-58.5)	Cr+6, TAL Metals
				9		
				13		
60			N/A	15		
		SILTY SAND: Weak Red (2.5YR 5/2) very fine silty SAND, moist. No odor.		10		
				15		
				16		
62		NR: No Recovery	N/A	12		
				10	114-MW19CD (62.0-62.5)	Cr+6, TAL Metals
				13		
		SILTY SAND: Weak Red (2.5YR 5/2) very fine silty SAND, moist. No odor.				

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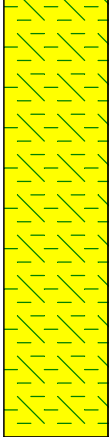
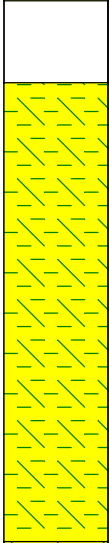
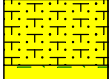
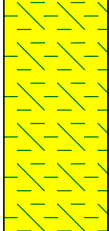
		Client: PPG Industries			BORING ID: 114-MW19C	
		Site: Site 114				
Start Date: 10/11/2006		Project: Site Investigation			Page: 9 of 13	
		Coordinates: X-611263.5 Y-682737.4			Depth of Boring: 101.20	
End Date: 11/3/2006		Elevation: 11.78			Geologist: M. Merdinger	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

64		SILT: Weak Red (2.5YR 5/2) SILT, trace very fine Sand, moist. No odor.	0.0 ppm	22		
				10		
64		NR: No Recovery	0.0 ppm	7	114-MW19CE (64.0-64.5)	Cr+6, TAL Metals
				9		
				10		
				9		
66		CLAY: Brown (7.5YR 4/3) CLAY, little Silt, medium stiff, wet. No odor.	0.0 ppm	10		
				9		
				5		
				7		
68		SILTY CLAY: Brown (7.5YR 4/3) silty CLAY, medium stiff, wet. No odor.	0.0 ppm	5		
				7		
				5		
				4		
68			0.0 ppm	7	114-MW19CF (68.0-68.5)	Cr+6, TAL Metals
				6		
				6		
				6		
70		CLAY: Brown (7.5YR 4/3) and Gray (7.5YR 5/1) CLAY, little Silt, medium stiff, moist. No odor.	0.0 ppm	6		
				6		
				4		
70		SILTY CLAY: Brown (7.5YR 4/3) and Gray (7.5YR 5/1) mottled silty CLAY, wet, medium stiff. No odor.	0.0 ppm	4		
				3		

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		Client: PPG Industries				BORING ID: 114-MW19C		
		Site: Site 114						
Start Date: 10/11/2006		Project: Site Investigation				Page: 10 of 13		
		Coordinates: X-611263.5 Y-682737.4				Depth of Boring: 101.20		
End Date: 11/3/2006		Elevation: 11.78				Geologist: M. Merdinger		
		Drill Subcontractor: ADI				Driller:		
Depth (ft)	Lithology	Description			PID	Blows/6"	Sample ID	Sample Parameters

72			0.0 ppm	4		
				4		
74		NR: No Recovery	0.0 ppm	4	114-MW19CG (72.0-72.5)	Cr+6, TAL Metals
				4		
			0.0 ppm	5		
				5		
			0.0 ppm	3		
				4		
76		SILTY CLAY: Brown (7.5YR 4/3) and Gray (7.5YR 5/1) mottled silty CLAY, moist to wet, medium stiff. No odor.	0.0 ppm	6		
				5		
			0.0 ppm	3		
				4		
78		SILTY SAND: Brown (7.5YR 4/3) and Gray (7.5YR 5/1) very fine silty SAND, trace Clay, moist. No odor.	0.0 ppm	3	114-MW19CH (77.0-77.5)	Cr+6, TAL Metals
				4		
			0.0 ppm	5		
				7		

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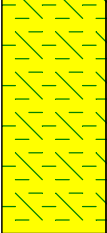
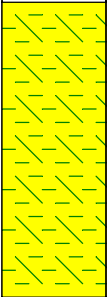
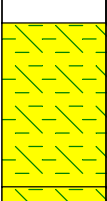
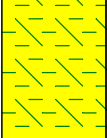

		Client: PPG Industries			BORING ID: 114-MW19C	
		Site: Site 114				
Start Date: 10/11/2006		Project: Site Investigation			Page: 11 of 13	
		Coordinates: X-611263.5 Y-682737.4			Depth of Boring: 101.20	
End Date: 11/3/2006		Elevation: 11.78			Geologist: M. Merdinger	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

80		SILTY CLAY: Brown (7.5YR 4/3) and Gray (7.5YR 5/1) mottled silty CLAY, little interbedded very fine silty Sand, wet. No odor.	0.0 ppm	10		
				7		
82		SILTY CLAY: Brown (7.5YR 4/3) and Gray (7.5YR 5/1) mottled silty CLAY, medium stiff, wet. No odor.	0.0 ppm	5	114-MW19CI (80.0-80.5)	Cr+6, TAL Metals
				6		
			0.0 ppm	5		
				6		
84			0.0 ppm	4		
				5		
			0.0 ppm	6		
				6		
			0.0 ppm	3	114-MW19CJ (84.0-84.5)	Cr+6, TAL Metals
				4		
86		NR: No Recovery	0.0 ppm	3		
				4		
			N/A	7		
		SILTY CLAY: Brown (7.5YR 4/3) and Gray (7.5YR 5/1) mottled silty CLAY, medium stiff, wet. No odor.				

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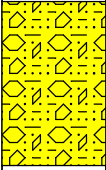
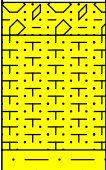



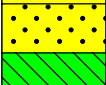

		Client: PPG Industries			BORING ID: 114-MW19C	
		Site: Site 114				
Start Date: 10/11/2006		Project: Site Investigation			Page: 12 of 13	
		Coordinates: X-611263.5 Y-682737.4			Depth of Boring: 101.20	
End Date: 11/3/2006		Elevation: 11.78			Geologist: M. Merdinger	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

88		NR: No Recovery	N/A	7		
				7		
90		SILTY CLAY: Brown (7.5YR 4/3) and Gray (7.5YR 5/1) mottled silty CLAY, interbedded with very fine silty Sand (Reddish Brown (2.5YR 4/3)), medium stiff, wet. No odor.	0.0 ppm	9	114-MW19CK (87.5-88.0)	Cr+6, TAL Metals
				4		
				5		
				5		
				5		
				6		
92		SILTY CLAY: Brown (7.5YR 4/3) and Gray (7.5YR 5/1) mottled silty CLAY, interbedded with very fine silty Sand (Reddish Brown (2.5YR 4/3)), medium stiff, wet. No odor.	0.0 ppm	7		
				7		
				7		
				9		
				7		
				13	114-MW19CL (93.0-93.5)	Cr+6, TAL Metals
94		SILTY CLAY: Reddish Brown (2.5YR 4/3) silty CLAY, some very fine Sand, little small to medium Gravel, wet. No odor.	0.0 ppm	14		
				19		
		GRAVEL AND SAND: Reddish Brown (2.5YR 4/3) very fine silty SAND and small to medium GRAVEL,	0.0 ppm			

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		Client: PPG Industries			BORING ID: 114-MW19C	
		Site: Site 114				
Start Date: 10/11/2006		Project: Site Investigation			Page: 13 of 13	
		Coordinates: X-611263.5 Y-682737.4			Depth of Boring: 101.20	
End Date: 11/3/2006		Elevation: 11.78			Geologist: M. Merdinger	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

96		trace Clay, wet. No odor.		22		
		NR: No Recovery		27		
		GRAVEL AND SAND: Reddish Brown (2.5YR 4/3) very fine silty SAND and graded GRAVEL from large to small, trace Clay, wet. No odor.	0.0 ppm	21	114-MW19CM (96.0-96.5)	Cr+6, TAL Metals
				23		
		NR: No Recovery	0.0 ppm	26		
				28		
98		GRAVEL AND SAND: Reddish Brown (2.5YR 4/3) very fine silty SAND and large to small GRAVEL, trace Clay, wet. No odor.	0.0 ppm	28		
				34		
		SILTY SAND: Reddish Brown (2.5YR 4/3) very fine silty SAND, wet. No odor.		30		
				32		
		SILT: Reddish Brown (2.5YR 4/3) SILT, trace Clay, medium dense, moist. No odor.				
100		NR: No Recovery	0.0 ppm	37	114-MW19CN (100.0-101.0)	Cr+6, TAL Metals
				50		
		SILT: Reddish Brown (2.5YR 4/3) SILT, little Clay, medium dense, wet. No odor.				
		SAND: Reddish Brown (2.5YR 4/3) very fine SAND, trace Silt, wet. No odor.	0.0 ppm	100 /2"		
		CLAY: Reddish Brown (2.5YR 4/3) CLAY and Weathered Bedrock, moist, medium stiff. No odor.				
		NULL: Refusal due to Bedrock at 101.2 ft.				

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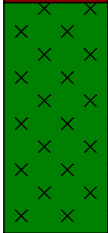
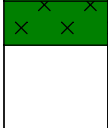
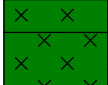
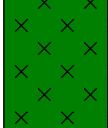
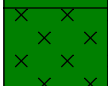
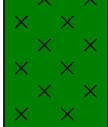
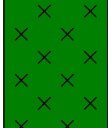
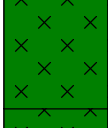
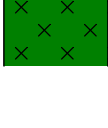
114-MW20A

No Boring Log Available

114-MW20B


No Boring Log Available

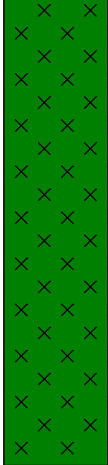
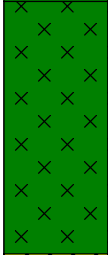
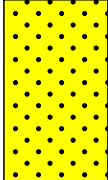
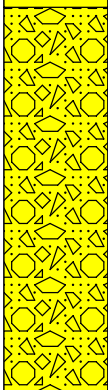
		Client: PPG Industries			BORING ID: 114-MW21B	
		Site: Site 114				
Start Date: 7/11/2006		Project: Site Investigation			Page: 1 of 3	
		Coordinates: X-611394.9 Y-683875.3			Depth of Boring: 34.00	
End Date: 10/6/2006		Elevation: 16.31			Geologist: R. Firely, M. Abdelaziz	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

0		ASPHALT: Asphalt				
		FILL: Dark brown (7.5YR3/3) medium to fine SAND, little medium to fine Gravel and coarse Sand, moist. 30% COPR.			114-MW21BA(0.6-1.0)	Cr+6, TAL Metals
2		FILL: Black (7.5YR2.5/1) medium to fine SAND, little medium to fine Gravel and coarse Sand, moist. 10% COPR.			114-MW21BB(2.7-3.1)	Cr+6, TAL Metals
4		NR: No Sample				
		FILL: Black (5YR2.5/1) coarse to medium SAND and medium GRAVEL, some Silt, wet.	0.0 ppm	1	114-MW21BC(5.0-6.0)	MS/MSD, Cr+6, TAL Metals
6		FILL: Reddish brown (5YR5/3) medium to fine SAND, some Silt, little fine Gravel, wet.		3		
		FILL: Greenish Gray (gley25/1) silty SAND, some medium Sand, trace Clay (-), moist to wet.	0.0 ppm	2		
8				2		
			0.0 ppm	7	114-MW21BD(7.0-7.5) 114-MW21BDD(7.0-7.5)	Cr+6, TAL Metals Cr+6, TAL Metals
10				7		
		FILL: Greenish Gray (gley25/1) silty SAND, some medium Sand, trace Clay (-), wet.	0.0 ppm	10		
				9		
				12		
				24		
				12		
				6		
			0.0 ppm	49	114-MW21BE (11.0-11.5)	Cr+6, TAL Metals
				36		

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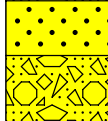

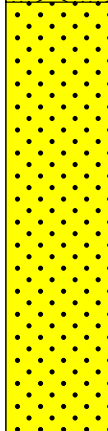
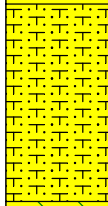

		Client: PPG Industries			BORING ID: 114-MW21B	
		Site: Site 114				
Start Date: 7/11/2006		Project: Site Investigation			Page: 2 of 3	
		Coordinates: X-611394.9 Y-683875.3			Depth of Boring: 34.00	
End Date: 10/6/2006		Elevation: 16.31			Geologist: R. Firely, M. Abdelaziz	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

12					41		
					40		
					3		
					7		
14					30		
					100		
					4"		
					6	114-MW21BF (15.0-15.5)	Cr+6, TAL Metals
					100		
					1"		
16		FILL: Dark Reddish Gray (10R3/1) silty SAND, some Clay, little medium Sand and fine Gravel, wet.			NA		
					NA		
					80		
					100		
					2"		
					5		
					0.0 ppm		
					13	114-MW21BG (18.3-18.8)	Cr+6, TAL Metals
					23		
					19		
20		SAND: Very dark brown (7.5YR2.5/3) coarse to medium SAND, some Silt, trace medium to fine Gravel, moist.			40		
					95		
					71		
					61		
					0.0 ppm		
					32	114-MW21BH (22.0-23.0)	Cr+6, TAL Metals
					69		
					56		
22		GRAVEL: Dusky red (10R3/2) coarse to medium GRAVEL, some medium Sand, trace Silt, wet.					

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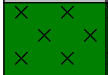
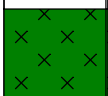
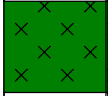
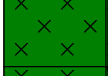


		Client: PPG Industries			BORING ID: 114-MW21B	
		Site: Site 114				
Start Date: 7/11/2006		Project: Site Investigation			Page: 3 of 3	
		Coordinates: X-611394.9 Y-683875.3			Depth of Boring: 34.00	
End Date: 10/6/2006		Elevation: 16.31			Geologist: R. Firely, M. Abdelaziz	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

24		GRAVEL: Dusky red (10R3/2) coarse to medium GRAVEL, trace Silt and medium Sand, wet.	0.0 ppm	38		
				4		
				6		
				18		
26		SAND: Greenish gray (gley16/1) coarse to medium SAND, some coarse to medium Gravel, little Silt, trace Clay (-), wet.	0.0 ppm	22		
				16		
				8		
				9		
28		GRAVEL: Dusky red (10R3/2) coarse to medium GRAVEL, trace Silt and medium Sand, wet.	0.0 ppm	1	114-MW21BJ (28.0-29.0)	Cr+6, TAL Metals
				14		
				12		
				13		
30		SAND: Dark reddish brown (2.5YR3/4) fine to very fine SAND, some Silt, wet.	0.0 ppm	13	114-MW21BJD (28.0-29.0)	Cr+6, TAL Metals
				13		
				6		
				14		
32		SILTY SAND: Dark Reddish Brown (5YR3/4) silty SAND, trace Clay, wet.	0.0 ppm	6		
				14		
				6		
				4		
34		SILTY CLAY: Dark Reddish Brown (5YR3/4) silty CLAY, trace very fine Sand, wet.	0.0 ppm	8		
				8		
				10		
				13		
		NULL: End of boring at 34 feet.				

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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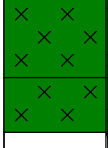
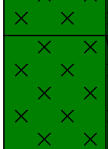
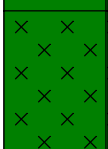
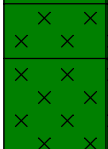
		Client: PPG Industries		BORING ID: 114-MW22B	
		Site: Site 114			
Start Date: 11/15/2006		Project: Site Investigation		Page: 1 of 5	
		Coordinates: X-610693.8 Y-683255.1		Depth of Boring: 35.00	
End Date: 11/21/2006		Elevation: 13.47		Geologist: M. Merdinger	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		CONCRETE: CONCRETE			
		FILL: Dark Reddish Brown (5YR 3/2) SILT, some fine Sand, little Clay, Fill material (brick, tile, rock), dry. No odor.			
		NR: No Sample	0.0 ppm		
2					
		FILL: Reddish Brown (5YR 4/4) SILT, little Clay and fine Sand, Fill Material (rounded and angular rocks, tile fragments, slag), ~1% COPR, moist. No odor.	0.0 ppm		
		NR: No Sample			
4		FILL: Black Cinders, Ash, Slag and Rock fragments, oyster shell, trace Red (10R 4/6) Clay, moist. No odor.			
		NR: No Recovery			
		FILL: Black and Very Dark Gray Brown (10YR 3/2) sandy SILT, glass, dry. No odor.	2.3 ppm	114-MW22BA (5.0-5.5)	Cr+6, TAL Metals
		FILL: Light Olive Brown (2.5Y 5/6) SILT, medium dense, dry. No odor.			
6		NR: No Recovery			
					

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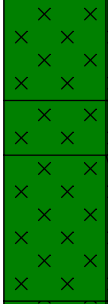
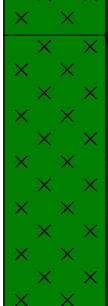
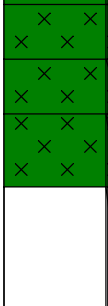

		Client: PPG Industries	BORING ID: 114-MW22B		
		Site: Site 114			
Start Date: 11/15/2006	Project: Site Investigation		Page: 2 of 5		
	Coordinates: X-610693.8 Y-683255.1		Depth of Boring: 35.00		
End Date: 11/21/2006	Elevation: 13.47		Geologist: M. Merdinger		
	Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

8		FILL: Reddish Gray (10YR 5/1) silty SAND, coarse fill Sand, Fill material (slag, concrete), wet. No odor.	0.3 ppm		
		FILL: Dark Grayish Brown (10YR 4/2) SILT, little Clay, trace Gray rounded medium Gravel, wet. No odor.			
		NR: No Recovery			
10		FILL: Very Dark Gray (7.5YR 3/1) SILT, some coarse Sand, wet. No odor.	0.0 ppm	114-MW22BB (9.5-10.0)	MS/MSD, Cr+6, TAL Metals
		FILL: Dark Brown (7.5YR 3/2) SILT, trace to little Clay down gradient, oyster shell, moist, loose. No odor.			
12		FILL: Dark Brown (7.5YR 3/2) SILT, little Sand, trace to little Clay down gradient, oyster shell, moist, loose. No odor.	0.0 ppm		
14		FILL: Olive (5Y 4/3) SAND, little Silt, moist. No odor.	0.0 ppm	114-MW22BC (13.0-14.0)	Cr+6, TAL Metals
		FILL: Olive Brown (2.5 Y 4/3) silty CLAY, trace fine Gravel, wet. No odor.		114-MW22BCD (13.0-14.0)	Cr+6, TAL Metals

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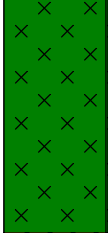
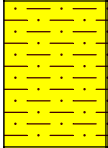



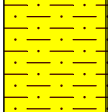
		Client: PPG Industries		BORING ID: 114-MW22B		
		Site: Site 114				
Start Date: 11/15/2006		Project: Site Investigation		Page: 3 of 5		
		Coordinates: X-610693.8 Y-683255.1		Depth of Boring: 35.00		
End Date: 11/21/2006		Elevation: 13.47		Geologist: M. Merdinger		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

16		FILL: Reddish Brown (5YR 4/4) very fine SAND, some Silt, Shale.	0.0 ppm		
		FILL: Dark Reddish Brown (2.5YR 3/4) fine to medium SAND, trace Silt, wet. No odor.			
		FILL: Dark Reddish Brown (2.5YR 3/4) and Yellow mottled silty SAND, some fine to medium Gravel, wet. No odor.			
18		NR: No Recovery	0.0 ppm	114-MW22BD (14.5-18.0)	Cr+6, TAL Metals
		FILL: Very Dark Gray (Gley N3/0) CLAY, medium stiff, moist.			
		FILL: Dusky Red (10R 3/4) silty SAND, some fine to coarse Gravel, Lime Green-stained CLAY interbedded, moist. No odor.			
20		FILL: Olive Brown (2.5 Y 4/3) silty CLAY, moist. No odor.	0.0 ppm		
		FILL: Dusky Red (10R 3/2) CLAY, some Gravel, moist. No odor.			
		FILL: Reddish Brown (5YR 4/3) SILT, little angular fine Gravel, moist. No odor.			
		NR: No Recovery			
		FILL: Olive Brown (2.5Y 4/3) silty CLAY, interbedded	0.0 ppm		

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		Client: PPG Industries		BORING ID: 114-MW22B	
		Site: Site 114			
Start Date: 11/15/2006		Project: Site Investigation		Page: 4 of 5	
		Coordinates: X-610693.8 Y-683255.1		Depth of Boring: 35.00	
End Date: 11/21/2006		Elevation: 13.47		Geologist: M. Merdinger	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

22		Reddish Brown SILT at 22.2 feet, little rounded fine to medium Gravel, moist. No odor.	0.0 ppm	114-MW22BE (22.5-23.0)	Cr+6, TAL Metals
		SAND: Strong Brown (7.5YR 5/8) SAND, trace Silt, moist. No odor. (Native)			
24		SILT: Reddish Brown (5YR 4/4) SILT and fine to medium angular and rounded GRAVEL, trace Clay, wet. No odor.		0.2 ppm	114-MW22BF (25.5-26.0)
		NR: No Recovery			
26		SILT: Reddish Brown (5YR 4/4) SILT and fine to medium angular and rounded GRAVEL, trace Clay, wet. No odor.			
		CLAY: Reddish Brown (5YR 4/4) CLAY, little Silt, moist, medium stiff. No odor.	0.3 ppm		
		SAND: Reddish Brown (5YR 4/4) coarse SAND, some fine Gravel and Silt, wet. No odor.			
		SILT: Reddish Brown (5YR 4/4) SILT, moist. No odor.			
		NR: No Recovery			
		SAND: Reddish Brown (5YR 4/4) coarse SAND, some fine Gravel and Silt, moist. No odor.			
28		SILT: Reddish Brown (5YR 4/4) SILT, moist. No odor.			

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		Client: PPG Industries	BORING ID: 114-MW22B		
		Site: Site 114			
Start Date: 11/15/2006	Project: Site Investigation		Page: 5 of 5		
	Coordinates: X-610693.8 Y-683255.1		Depth of Boring: 35.00		
End Date: 11/21/2006	Elevation: 13.47		Geologist: M. Merdinger		
	Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

30		NR: No Recovery	0.0 ppm	114-MW22BG (29.0-29.5)	MS/MSD, Cr+6, TAL Metals
		SILT: Reddish Brown (5YR 4/4) SILT, little Clay, trace fine Gravel, moist. No odor.			
		NR: No Recovery	0.2 ppm		
		GRAVEL: Reddish Brown (5YR 4/4) GRAVEL, little Silt, wet. No odor.			
		SILT AND GRAVEL: Reddish Brown (5YR 4/4) SILT and GRAVEL, trace Clay, wet. No odor.			
		NR: No Recovery			
34		SILTSTONE: Gray Rock, angular, trace Silt and coarse Sand, wet. No odor.			
NULL: End of boring at 35 feet.					

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Client: PPG Industries**Drilling Date:** 12/19/2006**Site:** Site 114**Well Completion Date:** 12/20/2006**Site Location:** Jersey City, NJ**Elevation** 15.77**Geologist:** D. Sero**State Plane** X: 611569.8 Y: 683780.7**Drilling Company:** Advanced Drilling Inc**Coordinates****Driller** Craig Conner**Drilling Method:** HSA

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
0		Concrete Steel PVC Bent-cement grout	0.0	15		ASPHALT
-1			0.0	8		Dark Reddish Brown (5YR 3/3) silty FILL, medium Sand and debris (wood, glass), dry.
-2		114-MW23BA (2-2.5) Cr+6, TAL Metals		9		
-3			0.0	6		Dark Reddish Brown (2.5YR 2.5/4) SILT, trace fine Sand and fine Gravel, dry.
-4				5		No Recovery
-5			0.0	3		
-6				4		
-7			0.0	3		Brown (7.5YR 5/8) clayey fine SAND, trace fine Gravel, wet. No odor.
-8			0.0	1		
-9				-		No Recovery
-10			0.0	2		
		114-MW23BB (6-7) Cr+6, TAL Metals	0.0	1		Brown (7.5YR 5/8) clayey fine SAND layers and Reddish Brown (5YR 3/4) COPR (75%) wet. No odor.
		114-MW23BBD (6-7) Cr+6, TAL Metals		1		
			0.0	2		Black peaty fine SAND, trace medium to fine Gravel, wet. No odor.
				1		No Recovery
			0.0	2		Fall in from above
				2		
			0.0	5		Dark Reddish Brown (5YR 3/4) clayey fine SAND, trace Gravel, wet. No odor.
			0.0	7		
						No Recovery
		114-MW23BC (10-10.5) Cr+6, TAL Metals	0.0	6		Dark Redish Brown (5YR 3/4) clayey SAND, trace fine Gravel and medium angular Gravel,

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Client: PPG Industries**Site:** Site 114**Site Location:** Jersey City, NJ**Geologist:** D. Sero**Drilling Company:** Advanced Drilling Inc**Driller:** Craig Conner**Drilling Date:** 12/19/2006**Well Completion Date:** 12/20/2006**Elevation:** 15.77**State Plane Coordinates:** X: 611569.8 Y: 683780.7**Drilling Method:** HSA

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114-MW23B

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
11			0.0	3		wet. No odor.
				2		No Recovery
				4		
12				6		Dark Reddish Brown (5YR 3/4) clayey SAND, trace fine Gravel and medium angular Gravel, wet. No odor.
				8		
13				6		Dark Reddish Brown (5YR 3/4) clayey medium angular GRAVEL, wet. No odor.
				6		No Recovery
14				1		Dark Reddish Brown (5YR 3/4) clayey SAND, trace fine to medium GRAVEL, wet. No odor.
				2		No Recovery
15				1		No Recovery
		114-MW23BD (16-16.5) Cr+6, TAL Metals	0.0	3		
16		114-MW23BE (16.5-17) Cr+6, TAL Metals	0.0	2		Dark Reddish Brown (5YR 3/4) clayey SAND, trace fine to medium GRAVEL, wet. No odor.
			0.0	32		
17			0.0	11		Meadow mat. Strong organic odor.
			N/A	3		No Recovery
18				2		
				3		
19				2		
				2		
20		114-MW23BF (20.0-21.0) MS/MSD, Cr+6, TAL Metals	13.2	6		Meadow mat. Black organic SILT and PEAT, 25% fibrous material, wet. Strong sulfur odor.
				11		
21		114-MW23BG (21.0-21.5)	0.1	9		

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Client: PPG Industries**Site:** Site 114**Site Location:** Jersey City, NJ**Geologist:** D. Sero**Drilling Company:** Advanced Drilling Inc**Driller:** Craig Conner**Drilling Date:** 12/19/2006**Well Completion Date:** 12/20/2006**Elevation:** 15.77**State Plane Coordinates:** X: 611569.8 Y: 683780.7**Drilling Method:** HSA

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
		Cr+6, TAL Metals				
22			0.1	6		Dark Bluish Gray (5PB 4/1) silty fine SAND, wet.
			0.3	6		No Recovery
23				7		Dark Bluish Gray (5PB 4/1) silty fine SAND, brown lamination at 23.5'-23.76', little Clay, wet.
			0.0	8		
24				10		No Recovery
			0.0	4		Dark Greenish Gray (10Y 3/1) CLAY, wet.
25				5		
			0.0	4		
26				4		No Recovery
			N/A	3		Dark Greenish Gray (10Y 3/1) CLAY, wet.
27				4		
				5		
28				8		
			N/A	6		No Recovery
29				7		
				11		
30				13		
			0.0	22		Reddish Brown (5YR 4/4) with some Green to Yellow mottling medium to coarse SAND, little medium to coarse angular Gravel, trace Silt, wet. No odor.
31		#00 Sand Pack		24		
			0.0	24		
				26		No Recovery

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983

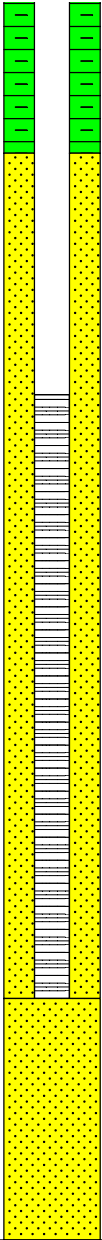
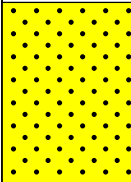

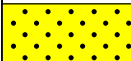

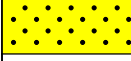

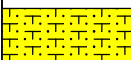
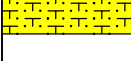

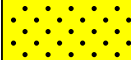


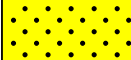

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Client: PPG Industries**Site:** Site 114**Site Location:** Jersey City, NJ**Geologist:** D. Sero**Drilling Company:** Advanced Drilling Inc**Driller:** Craig Conner**Drilling Date:** 12/19/2006**Well Completion Date:** 12/20/2006**Elevation:** 15.77**State Plane Coordinates:** X: 611569.8 Y: 683780.7**Drilling Method:** HSA

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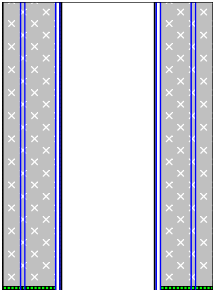
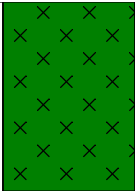
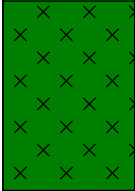
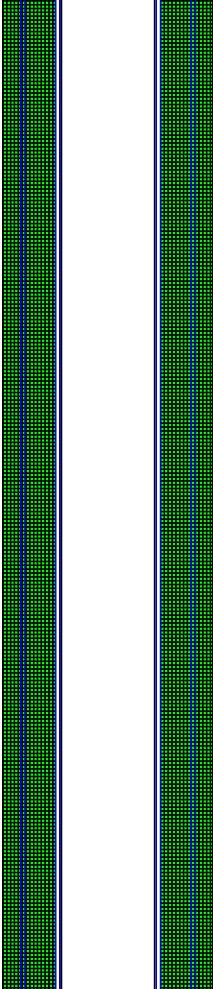
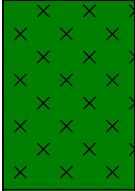
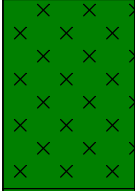
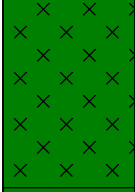
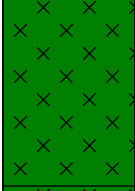
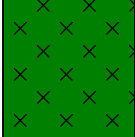
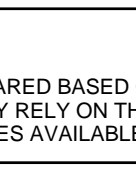
Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
32		#1 Sand Pack	0.0	30		Reddish Brown (5YR 4/4) with some Green to Yellow mottling medium to coarse SAND, little medium to coarse angular Gravel, trace Silt, wet. No odor.
33			0.0	27		
34			0.0	24		
35			0.0	28		No Recovery
36			0.0	31		Reddish Brown (5YR 4/4) with some Green to Yellow mottling medium to coarse SAND, little medium to coarse angular Gravel, trace Silt, wet. No odor.
37			0.0	19		
38			0.0	19		
39			0.0	22		No Recovery
40			0.0	8		Red (2.5YR 4/6) silty fine SAND, fine laminations, wet. No odor.
41			0.0	9		
42			0.0	8		No Recovery
			0.0	19		
			0.0	9		Red (2.5YR 4/6) SAND, trace Silt, wet. No odor.
			0.0	11		
			0.0	14		No Recovery
			0.0	19		
			0.0	12		Red (2.5YR 4/6) SAND, trace Silt, wet. No odor.
			0.0	12		
			0.0	13		
			0.0	18		
						End of Boring at 42 ft.

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Client: PPG Industries**Site:** Site 114**Site Location:** Jersey City, NJ**Geologist:** D. Sero**Drilling Company:** Advanced Drilling Inc**Driller:** Craig Conner**Drilling Date:** 12/1/2006**Well Completion Date:** 12/18/2006**Elevation:** 14.15**State Plane Coordinates:** X: 683259 Y: 610821.8**Drilling Method:** Water Rotary**ENSR | AECOM****114-MW4D**

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
0		Concrete Steel Open Borehole				Black medium to fine SAND, some silt, little gravel, cinder, brick, clinker, 30% COPR.
1						Black to dark reddish brown (5YR 2.5/2) medium to fine SAND, some silt, cinder, clinker, shell, 20% COPR.
2		Bent-cement grout				Dark Yellowish Brown (10YR 3/4) coarse to fine SAND, some silt, trace gravel, clinker, brick, 50% COPR.
3						Reddish Brown (2.5YR 4/3) coarse to fine SAND, some gravel and silt, trace clay, brick, clinker, 30% COPR, cinder.
4						Dark Reddish Brown (5YR 3/4) medium to fine SAND, some silt, wood, brick, clinker, 10% COPR.
5						Reddish Black (2.5YR 2.5-1) fine SAND, some silt, little clay and medium sand, wood, brick, cinder.
6						Strong Brown (7.5 YR 4/6) Fill material (wood, roots, clinkers, cinders).
7						Strong Brown (7.5 YR 4/6) SILT, some fine
8						
9						
10						
11						
12						
13						

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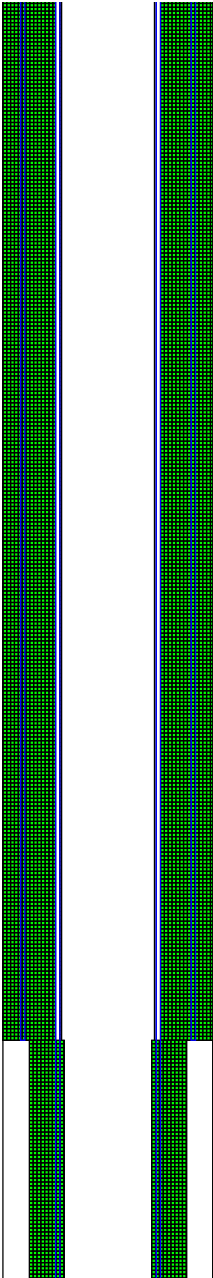
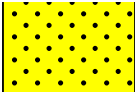
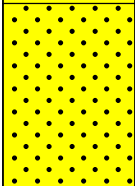
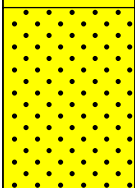
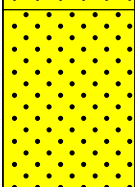
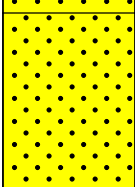
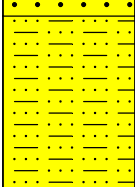
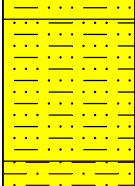
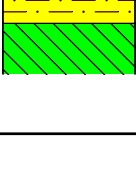
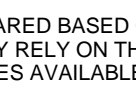
Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
14						sand, native.
15						Dark Reddish Brown (5YR 3/3) PEAT(meadow mat), moist.
16						
17						Dark Greenish Gray (GLEY2 4/1) CLAY, some silt.
18						Greenish Gray (GLEY2 5/1) CLAY, some silt, little fine sand at 19.5" bgs.
19						
20						Dark Greenish Gray (GLEY1 4/1) CLAY, some silt, native, soft.
21						
22						
23						Red (2.5YR 5/8) coarse to fine SAND, some gravel.
24						Red (2.5YR 4/6) coarse to fine SAND, little gravel, till, fairly sorted.
25						
26						Red (2.5YR 4/8) coarse to fine SAND, trace gravel 26'-27' bgs, trace fine sand, some silt 27'-28' bgs.
27						

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X: 683259 **Y:** 610821.8**Drilling Method:** Water Rotary**ENSR** | **AECOM****114-MW4D**

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
28						
29						Red (2.5YR 4/6) fine SAND, little medium sand, soft, well sorted.
30						Red (2.5YR 4/6) fine SAND, little silt, soft, well sorted.
31						Weak Red (10R 4/4), fine SAND, some Silty Sand, wet.
32						Weak Red (10R 4/4), Silty SAND, some fine Sand, wet.
33						Weak Red (10R 4/4), sandy SILT, some Silty Sand, little fine Sand, wet.
34						Weak Red (10R 4/4), sandy SILT, some Silty Sand, little fine Sand, wet.
35						Dark Reddish Gray (10R 4/1), clayey SILT, some sandy Silt.
36						Weak Red (10R 4/2) CLAY, some clayey Silt,
37						
38						
39						
40						

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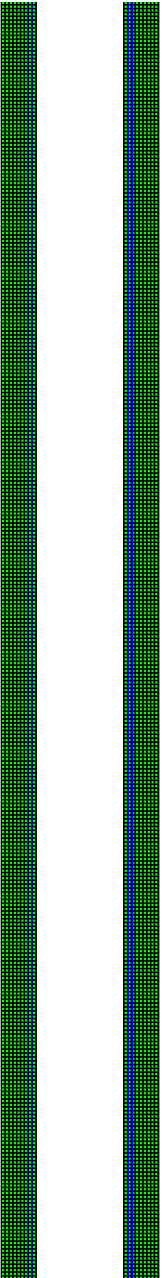
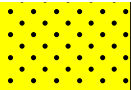
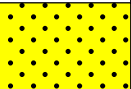
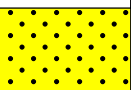
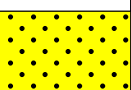
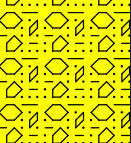
Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
41						little fine Gravel, wet.
42						No Recovery
43						Weak Red (10R 4/2) CLAY, some clayey Silt, little fine Gravel, wet.
44						No Recovery
45						Weak Red (10R 4/2) CLAY, some clayey Silt and sandy Silt, little silty Sand, wet.
46						Weak Red (10R 4/2) CLAY, little clayey Silt, wet.
47						Weak Red (10R 5/3) CLAY, little clayey Silt, wet.
48						Weak Red (10R 5/3) CLAY, little clayey Silt, wet.
49						Weak Red (10R 5/) silty SAND, some sandy Silt, little fine Sand, wet.
50						Weak Red (10R 4/4) silty SAND, some fine Sand, little greenish gray (Gley 6/1) medium to coarse Sand, wet.
51						Weak Red (10R 4/4) fine to medium GRAVEL, some fine to coarse Sand, wet.
52						No Recovery
53						Weak Red (10R 4/4) fine to medium GRAVEL, some Cobbles, little silty Sand, trace fine to coarse Sand, wet.
54						No Recovery

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Client: PPG Industries**Site:** Site 114**Site Location:** Jersey City, NJ**Geologist:** D. Sero**Drilling Company:** Advanced Drilling Inc**Driller:** Craig Conner**Drilling Date:** 12/1/2006**Well Completion Date:** 12/18/2006**Elevation:** 14.15**State Plane Coordinates**
X: 683259 **Y:** 610821.8**Drilling Method:** Water Rotary**ENSR** | **AECOM****114-MW4D**

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
55						Weak Red (10R 4/4) fine to coarse SAND, some fine to coarse Gravel, little medium Gravel and Cobbles, wet.
56						No Recovery
57						Weak Red (10R 4/4) fine to coarse SAND, some silty Sand and fine to coarse Gravel, little medium Gravel and Cobbles, wet.
58						No Recovery
59						Weak Red (10R 4/4) fine to coarse SAND, some fine to coarse Gravel, little medium Gravel and Cobbles, wet.
60						No Recovery
61						Weak Red (10R 4/4) fine to coarse SAND, some fine to coarse Gravel, little medium Gravel and Cobbles, wet.
62						No Recovery
63						No Sample
64						No Sample
65						
66						
67						No Sample, direct drilled, inferred Weak Red (10R 4/4) fine to coarse SAND, some fine to coarse Gravel, little Cobbles, wet.

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Client: PPG Industries

Site: Site 114

Site Location: Jersey City, NJ

Geologist: D. Sero

Drilling Company: Advanced Drilling Inc

Driller: Craig Conner

Drilling Date: 12/1/2006

Well Completion Date: 12/18/2006

Elevation: 14.15

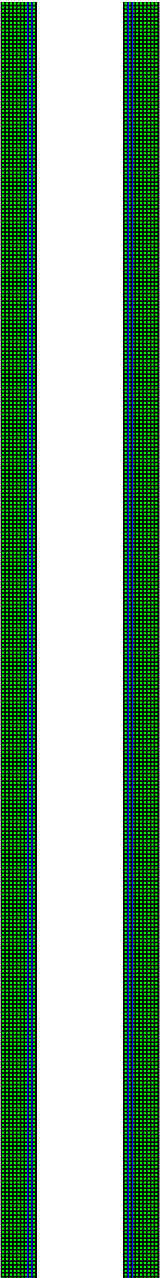
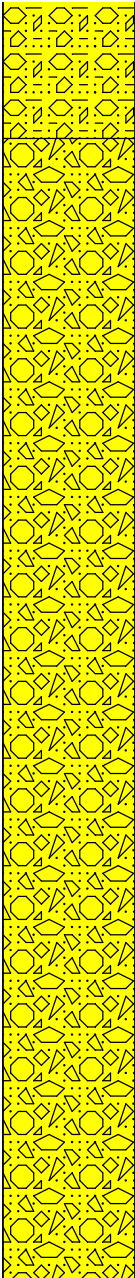
State Plane Coordinates: X: 683259 Y: 610821.8

Drilling Method: Water Rotary

ENSR | AECOM

114-MW4D

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
68						
69						No Recovery, inferred COBBLES
70						
71						
72						
73						
74						
75						
76						
77						
78						
79						
80						
81						

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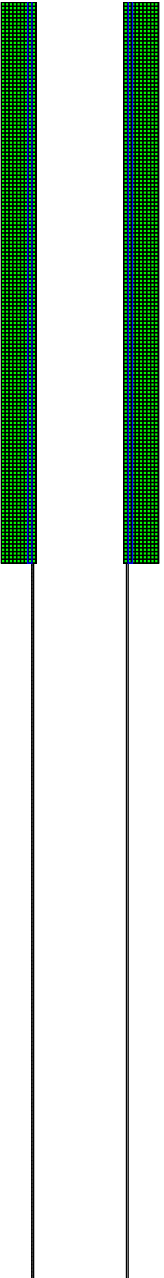
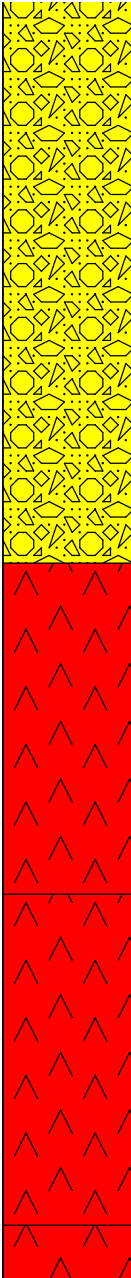
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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
82						
83						
84						
85						
86						
87						
88						
89						
90						
91						
92						
93						
94						

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ENSR | AECOM

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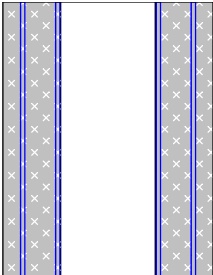
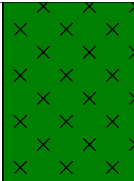
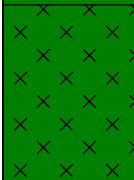
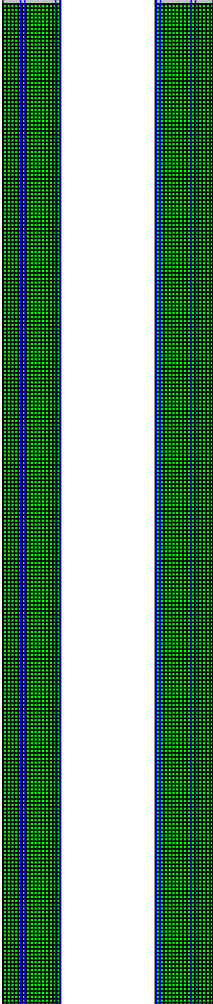
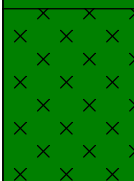
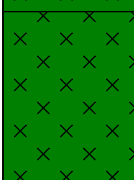
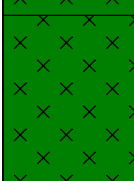
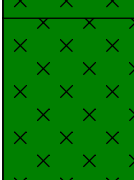
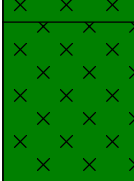
Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
95						
96						
97						
98						
99						Diabase rock chips.
100						
101						Diabase rock chips, dark green to black with trace light minerals.
102						
103						
104						
105						
106						Diabase rock chips, dark green to black with trace light minerals.
107						End of Boring at 107 ft.

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Client: PPG Industries**Site:** Site 114**Site Location:** Jersey City, NJ**Geologist:** D. Sero**Drilling Company:** Advanced Drilling Inc**Driller:** Craig Conner**Drilling Date:** 11/30/2006**Well Completion Date:** 12/14/2006**Elevation:** 13.90**State Plane Coordinates:** X: 683683.3 Y: 611298.4**Drilling Method:** Mud and Air Rotary**ENSR** | **AECOM****114-MW6D**

Page: 1 of 8

Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
0		Concrete Steel Open Borehole				Dark Brown (7.5YR 3/3) coarse to fine SAND, cinder, brick, wood, 40% COPR nodules
1						Pale Yellow (2.5Y 8/3) fine SAND, lime, clinker, wood, cinder, brick, 20% COPR nodules
2		Bent-cement grout				Light Gray (2.5Y 7/2) SILT, some medium to fine sand (mottled, hard), lime soda ash-like Cr+6 leachate staining present
3						Pale Olive (5Y 6/3) SILT, some fine sand, little medium grained sand, lime soda ash-like Cr+6 leachate staining present, mottled, hard
4						Pale Olive (5Y 6/4) SILT, some fine sand, lime soda ash-like Cr+6 heavy leachate staining present, mottled, hard
5						Lime Green SILT, little fine sand, hard somewhat mottled, lime soda ash-like, very heavy Cr+6 leachate staining
6						Lime Green SILT, some fine sand, little clay, mottled, lime, lignite, soda ash, very heavy Cr+6 leachate staining
7						
8						
9						
10						
11						
12						
13						

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ENSR | AECOM

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
14						Lime Green SILT, trace clay, mottled, lime, lignite, soda ash, very heavy Cr+6 leachate staining
15						Very Dark Brown (7.5YR 2.5/2) SILT, some clay, no staining
16						Very Dark Brown (7.5YR 2.5/2) SILT and CLAY, no staining, laminated, very hard
17						Dark Yellowish Brown (10YR 3/4) SAND, some gravel, cobbles, trace lime green Cr+6 leachate staining, saturated.
18						
19						Olive (5Y 5/4) SILT, some clay, trace fine sand, gravel, Cr+6 leachate staining, saturated.
20						
21						Reddish Brown (2.5YR 4/3) SILT, some gravel, little coarse to fine sand, saturated.
22						
23						Reddish Brown (2.5YR 4/4) coarse to fine SAND, some silt and gravel (cobbles, pebbles, boulders), subrounded grains, saturated.
24						
25						Reddish Brown (5YR 4/3) medium SAND, well sorted, trace fine sand, wet.
26						
27						Reddish Brown (2.5 YR 4/3) fine SAND, well sorted, trace silt, wet.

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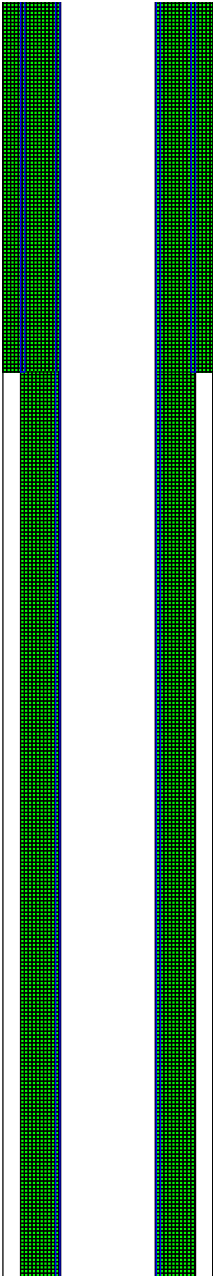
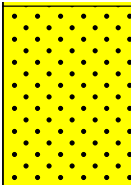




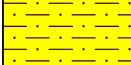
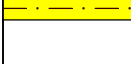

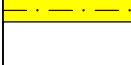




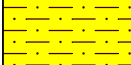
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ENSR | AECOM

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
28		Bent-cement grout				Red (2.5YR 4/6) medium to fine SAND, moderately well sorted, fairly graded, wet.
29						Reddish Brown (5YR 4/4) medium to fine SAND, wet.
30						Reddish Brown (5YR 4/4) CLAY, some silt, wet.
31						Reddish Brown (5YR 4/4) SILT, some fine sand, little clay, wet.
32						Red (10R4/6) sandy SILT, some clayey SILT, little silty sand and fine sand, wet.
33						
34						No Recovery
35						Red (10R4/6) SILT, and fine to very fine sand, little clay, 1" gravelly slough at the top, wet.
36						No Recovery
37						Red (10R4/6) SILT, and fine to very fine sand, little clay. Green colored water.
38						No Recovery
39						Red (10R4/6) SILT, and fine to very fine sand, little clay. Green colored water.
40						Red (10R4/6) SILT, and fine to very fine sand, little clay. Green colored water.
41						Red (10R4/6) thinly interbedded fine to very fine SAND and silty clay.

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983

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Client: PPG Industries**Site:** Site 114**Site Location:** Jersey City, NJ**Geologist:** D. Sero**Drilling Company:** Advanced Drilling Inc**Driller:** Craig Conner**Drilling Date:** 11/30/2006**Well Completion Date:** 12/14/2006**Elevation:** 13.90**State Plane Coordinates:** X: 683683.3 Y: 611298.4**Drilling Method:** Mud and Air Rotary

ENSR | AECOM

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
42						Red (10R4/6) SILT, and fine to very fine sand, little clay. Green colored water.
43						Red (10R4/6) thinly interbedded fine to very fine SAND and silty clay.
44						Red (10R4/6) SILT, and fine to very fine sand, little clay. Green colored water.
45						Red (10R4/6) thinly interbedded fine to very fine SAND and silty clay.
46						Red (10R4/6) SILT, and fine to very fine sand, little clay. Green colored water.
47						No Recovery
48						Red (10R4/6) fine to very fine SAND, little silt, trace clay. Green colored water.
49						No Recovery
50						Red (10R4/6) fine to very fine SAND, little silt, trace clay. Green colored water.
51						Dark reddish brown (2.5YR3/4) CLAY, some silt. Green colored water.
52						No Recovery
53						Red (10R4/6) medium to fine SAND, trace silt, wet.
54						No Recovery
55						Red (10R4/6) medium to fine SAND, little silt, trace gravel, wet.
						No Recovery

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Client: PPG Industries**Site:** Site 114**Site Location:** Jersey City, NJ**Geologist:** D. Sero**Drilling Company:** Advanced Drilling Inc**Driller** Craig Conner**Drilling Date:** 11/30/2006**Well Completion Date:** 12/14/2006**Elevation** 13.90**State Plane Coordinates** X: 683683.3 Y: 611298.4**Drilling Method:** Mud and Air Rotary**ENSR** | **AECOM****114-MW6D**

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
56						Red (10R4/6) coarse to fine SAND, little silt, trace gravel, wet.
57						No Recovery
58						
59						Red (10R4/6) coarse to very fine SAND, some silt, little coarse to fine gravel, wet.
60						Red (10R4/6) coarse to very fine SAND, some silt, little coarse to fine gravel, wet.
61						
62						No Recovery
63						Red (10R4/6) coarse to very fine SAND, some silt, little coarse to fine gravel, wet.
64						No Recovery
65						Red (10R4/6) coarse to very fine SAND, some silt, little coarse to fine gravel, wet.
66						No Recovery
67						Red (10R4/6) coarse to fine SAND, some coarse to fine gravel, little silt, wet.
68						No Recovery
69						

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Client: PPG Industries

Site: Site 114

Site Location: Jersey City, NJ

Geologist: D. Sero

Drilling Company: Advanced Drilling Inc

Driller: Craig Conner

Drilling Date: 11/30/2006

Well Completion Date: 12/14/2006

Elevation: 13.90

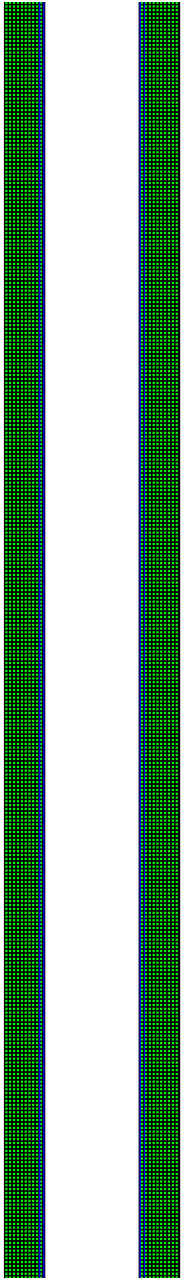
State Plane Coordinates: X: 683683.3 Y: 611298.4

Drilling Method: Mud and Air Rotary

ENSR | AECOM

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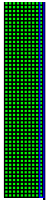
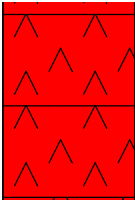

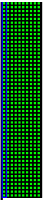












Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
70						
71						
72						
73						
74						
75						
76						
77						
78						
79						
80						
81						
82						
83						

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
84						Dark color rock chips (diabase), trace light colored minerals.
85						Dark color rock chips (diabase), trace light colored minerals.
86						Dark color rock chips (diabase), trace light colored minerals.
87						Diabase rock chips, dark minerals (biotite), trace light mineral (feldspar).
88						Diabase rock chips, dark minerals (biotite), trace light mineral (feldspar).
89						
90						Diabase rock chips, dark minerals (biotite), trace light mineral (feldspar). Overall, black angular fine gravel-sized pieces.
91						
92						
93						
94						Diabase rock chips, little gray siltstone.
95						Black, gray and green rock chips similar to diabase, little to trace gray to green siltstone-type material.
96						
97						Dark colored rock chips, larger than diabase chips, gray to brown siltstone.

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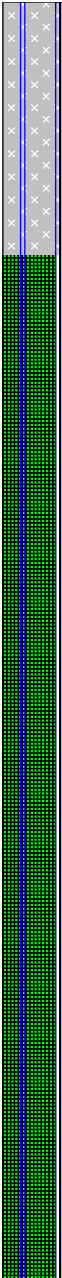
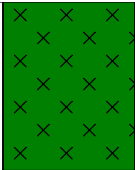
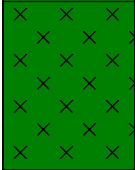
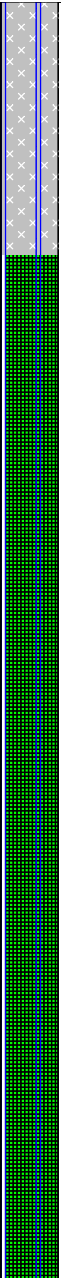
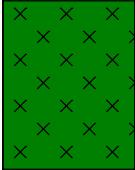
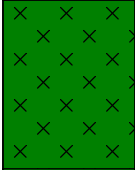
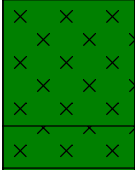
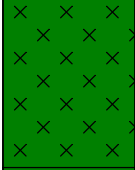
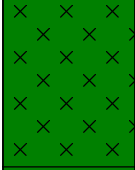
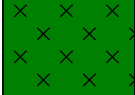
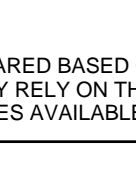
Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
98						
99						Diabase rock chips, Black angular pieces with trace large pieces of orthoclase feldspar.
100						
101						Diabase rock chips, Black angular pieces with trace large pieces of orthoclase feldspar.
102						
103						Diabase rock chips, Black angular pieces with trace large pieces of orthoclase feldspar.
104						
105						
106						Diabase rock chips, Black angular pieces with trace large pieces of orthoclase feldspar.
107						Large (approximately 1 inch) piece of diabase retrieved from rock chips.
108						
109						
110						Large (approximately 1 inch) piece of diabase retrieved from rock chips.
111						End of Boring at 111 ft.

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Client: PPG Industries**Site:** Site 114**Site Location:** Jersey City, NJ**Geologist:** D. Sero**Drilling Company:** Advanced Drilling Inc**Driller:** Craig Conner**Drilling Date:** 11/29/2006**Well Completion Date:** 12/15/2006**Elevation:** 13.68**State Plane Coordinates:** X: 683329.2 Y: 611189.3**Drilling Method:** Air Rotary**ENSR** | **AECOM****114-MW7D**

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
0		Concrete Steel Open Borehole				Dark Yellowish Brown (10YR 3/4) SILT, some fine sand, trace clay, lime, 90% COPR, wet.
1						Red (2.5YR 4/6) SILT, some fine sand, trace clay, soda ash-like, 90% COPR, wet.
2		Bent-cement grout				Lime Green SILT, some coarse to fine sand, soda ash-like, slag, clinker, 25% COPR, some Cr+6 leachate staining, wet.
3						Dark Greenish Gray (GLE2 4/1) SAND, some silt, soda ash-like, wood, 20% Cr+6 ore, blue Cr+6 staining, wet.
4						Lime Green/Blue/Yellow (7.5YR 7/1) coarse to medium SAND, some silt, soda ash-like, moist.
5						Lime Green/Blue/Yellow (7.5YR 7/1) SILT, some fine sand, soda ash-like, little Cr+6 leachate staining, wet.
6						Light Gray (7.5YR 7/1) SILT, some fine sand, soda ash-like, trace MGP oils, some Cr+6 leachate staining, wet
7						Lime Green/Blue/Yellow (7.5YR 7/1) coarse to fine SAND, some silt, soda ash-like, trace MGP oils, some Cr+6 leachate staining, wet.
8						Light Gray (7.5YR 7/1) with lime green medium to fine SAND, some silt, soda ash-like, some COPR staining, wet.
9						
10						
11						
12						
13						
14						
15						

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X: 683329.2 **Y:** 611189.3**Drilling Method:** Air Rotary**ENSR** | **AECOM****114-MW7D**

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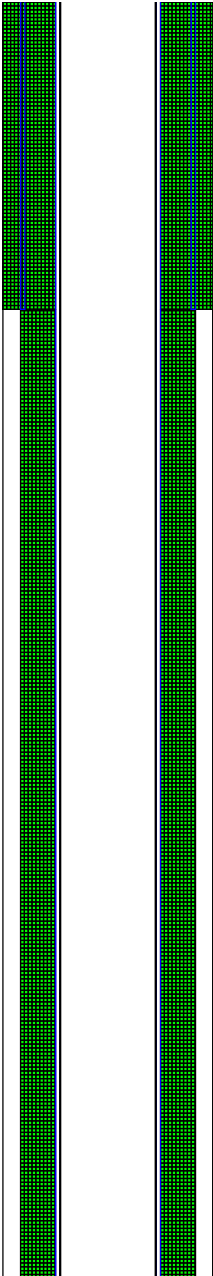
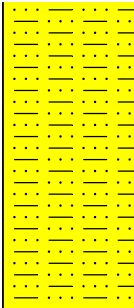
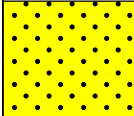
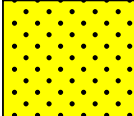
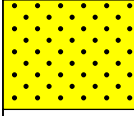
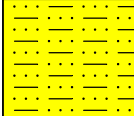
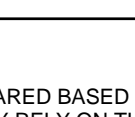

Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
16						
17						Very Dark Brown (10YR 2/2) PEAT (meadow mat)
18						Black (5YR 2.5/1) PEAT, some silt
19						
20						Dark Gray (GLE Y1 4/N) clayey SILT, some peat, wet.
21						No Recovery
22						Dark Gray (GLE Y1 4/N) clayey SILT, some sandy silt, little fine sand, wet.
23						Dark Reddish Gray (10R 4/1) fine SAND, some sandy silt, little clayey silt, wet.
24						No Recovery
25						
26						Dark Reddish Gray (10R 4/1) fine to coarse SAND, some fine to coarse Gravel, trace sandy Silt, wet.
27						Weak Red (10R 4/4) fine to medium SAND, trace Silt, wet.
28						Dusky Red (10R 3/4) fine SAND, well sorted, trace sandy Silt, wet.
29						No Recovery
30						Dusky Red (10R 3/4) sandy SILT, some fine

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X: 683329.2 **Y:** 611189.3**Drilling Method:** Air Rotary**ENSR** | **AECOM****114-MW7D**

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
31		Bent-cement grout				Sand, trace fine Gravel, wet.
32						No Recovery
33						
34						Dusky Red (10R 3/4) fine SAND, some silty Sand, little clayey Silt, wet.
35						
36						Dusky Red (10R 3/4) fine SAND, some sandy Silt, little clayey Silt, trace silty Sand, wet.
37						
38						Weak Red (10R 4/4) silty SAND, some clayey Silt, little sandy Silt and fine Sand, wet.
39						
40						Weak Red (10R 4/4) sandy SILT, some silty Sand, little clayey silt and fine sand, wet.
41						
42						
43						
44						
45						

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Client: PPG Industries

Site: Site 114

Site Location: Jersey City, NJ

Geologist: D. Sero

Drilling Company: Advanced Drilling Inc

Driller: Craig Conner

Drilling Date: 11/29/2006

Well Completion Date: 12/15/2006

Elevation: 13.68

State Plane Coordinates: X: 683329.2 Y: 611189.3

Drilling Method: Air Rotary

ENSR | AECOM

114-MW7D

Page: 4 of 6

Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
46						Weak Red (10r 4/4) silty SAND, some fine Sand, trace sandy Silt, wet.
47						No Recovery
48						
49						Weak Red (10R 4/4) silty SAND, some fine Sand, trace clayey Silt, wet.
50						No Recovery
51						
52						
53						Green Gray to bluish gray (Gley 2 5/1) BOULDERS, fine grained materials with clay minerals.
54						Weak Red (10R 5/3) fine grained SANDSTONE with clay minerals along fracture zones and striated, fracture along striation planes.
55						Reddish Gray (10R 5/1) SILTSTONE with clay minerals.
56						No Recovery
57						
58						
59						
60						Dark Greenish Gray (Gley 2 4/1) DIABASE, very hard, highly fractured mineral assemblage, pyroxene, biotite, plagioclase, hornblende,

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Client: PPG Industries

Site: Site 114

Site Location: Jersey City, NJ

Geologist: D. Sero

Drilling Company: Advanced Drilling Inc

Driller Craig Conner

Drilling Date: 11/29/2006

Well Completion Date: 12/15/2006

Elevation 13.68

State Plane Coordinates X: 683329.2 Y: 611189.3

Drilling Method: Air Rotary

ENSR | AECOM

114-MW7D

Page: 5 of 6

Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
61						olivine.
62						
63						
64						COBBLES
65						
66						
67						
68						
69						
70						
71						
72						GRAVEL and COBBLES, some Sand, mixed lithologies.
73						
74						
75						

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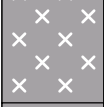



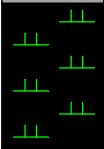

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
76						
77						Black rock chips, indicative of diabase.
78						
79						Black rock chips, indicative of diabase.
80						
81						Black rock chips with trace light mineral grains, indicative of diabase.
82						
83						Black rock chips with trace light mineral grains, indicative of diabase.
84						
85						Black rock chips with trace light mineral grains, indicative of diabase.
86						
87						Black rock chips with trace light mineral grains, indicative of diabase.
88						
89						Black rock chips with trace light mineral grains, indicative of diabase.
90						Black rock chips with trace light mineral grains, indicative of diabase.
End of Boring at 90 ft.						

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983

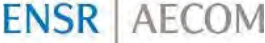
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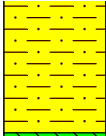
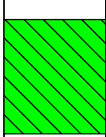
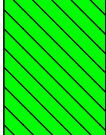
		Client: PPG Industries		BORING ID: 132-B1	
		Site: Site 132			
Start Date: 1/31/2007		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X- 610563.2 Y-682929.6		Depth of Boring: 24.00	
End Date: 1/31/2007		Elevation: 14.89		Geologist: P. Kelly	
		Drill Subcontractor: Eichelberger/TPI		Driller: Luis Bendecit/G. Demettrion	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		FILL: Very Dark Gray (2.5YR 3/1) SILT and CLAY, some fine Sand, little fine to medium Gravel and organic material.			
2		FILL: Dark Reddish Brown (5YR 3/4) SILT, some fine SAND, little fine Gravel, trace large rounded Gravel.			
4		NR: No Sample			
		FILL: Red (10R 4/6) coarse GRAVEL.		132-B1E (4.4-4.8)	Cr+6, TAL Metals
		FILL: Dark Reddish Brown (2.5YR 2.5/3) SILT, some Clay, fine Sand and fine Gravel.			
6		NR: No Recovery			
8		FILL: Gray (2.5Y 5/1) ASH, some fine Gravel, little ceramic fragments.		132-B1F (8.5-9.1) 132-B1FD (8.5-9.1)	Cr+6, TAL Metals Cr+6, TAL Metals
10		PEAT: Very Dark Gray (7.5YR 3/1) CLAY, some Silt, little organic matter, trace black nodes.		132-B1G (9.9-10.4)	Cr+6, TAL Metals
		NR: No Recovery			
12		SILT: Grayish Brown (2.5Y 4/2) SILT, some Clay, little		132-B1H (12.0-12.5)	Cr+6, TAL Metals

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

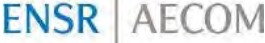
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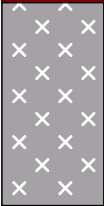

		Client: PPG Industries	BORING ID: 132-B1		
		Site: Site 132			
Start Date: 1/31/2007	Project: Site Investigation		Page: 2 of 2		
	Coordinates: X- 610563.2 Y-682929.6		Depth of Boring: 24.00		
End Date: 1/31/2007	Elevation: 14.89		Geologist: P. Kelly		
	Drill Subcontractor: Eichelberger/TPI		Driller: Luis Bendecit/G. Demettrion		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

14		organic matter.			
		CLAY: Dark Reddish Brown (2.5YR 3/2) CLAY, some Silt, little fine to coarse Gravel (native).			
16		NR: No Recovery		132-B1J (17.2-17.7)	Cr+6, TAL Metals
		CLAY: Dark Reddish Brown (2.5YR 3/3) CLAY, some Silt, little fine to coarse Gravel.			
18		NR: No Recovery			
20		CLAY: Dark Reddish Brown (2.5YR 3/3) CLAY, some Silt, little fine to coarse Gravel.		132-B1K (21.4-21.9)	Cr+6, TAL Metals
22		NR: No Recovery			
24		NULL: End of Boring at 24 ft.			

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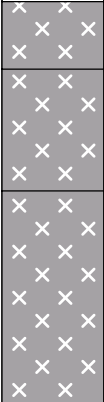
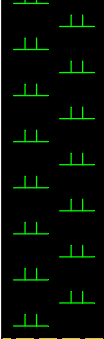

		Client: PPG Industries	BORING ID: 132-B10		
		Site: Site 132			
Start Date: 1/29/2007	Project: Site Investigation		Page: 1 of 3		
	Coordinates: X-610873.6 Y-683151.3		Depth of Boring: 28.00		
End Date: 1/30/2007	Elevation: 14.32		Geologist: P. Kelly		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit/Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: ASPHALT	0.0 ppm	132-B10A (0.9-1.2)	Cr+6, TAL Metals
		ASPHALT: ASPHALT sub-base			
2		FILL: Dark Yellowish Brown fine GRAVEL, some fine to coarse Sand, little organic matter, granular.	0.0 ppm	132-B10B (2.4-2.8)	Cr+6, TAL Metals
		FILL: Black (7.5YR 2.5/1) coarse SAND and SILT, some fine Gravel, trace woody organics and brick fragments and 5% COPR, granular.	0.0 ppm		
4		FILL: Large rounded GRAVEL, granular	0.0 ppm	132-B10E (5.0-5.6)	Cr+6, TAL Metals
		FILL: Black (10YR 2/1) coarse SAND, some fine Gravel and brick fragments, granular.			
6		NR: No Recovery			
8		NR: No Recovery			

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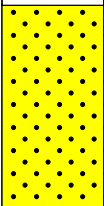
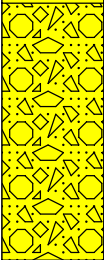
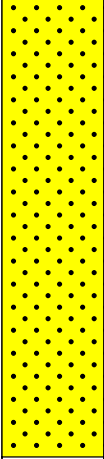
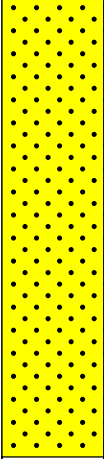
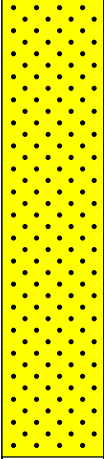
		Client: PPG Industries		BORING ID: 132-B10	
		Site: Site 132			
Start Date: 1/29/2007		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-610873.6 Y-683151.3		Depth of Boring: 28.00	
End Date: 1/30/2007		Elevation: 14.32		Geologist: P. Kelly	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit/Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

10					
12		FILL: Black (7.5YR 2.5/1) ASH and fine GRAVEL, some coarse Sand and ceramic fragments, granular, wet.	0.0 ppm	132-B10F (12.0-12.5)	Cr+6, TAL Metals
			0.2 ppm	132-B10G (12.5-12.9)	Cr+6, TAL Metals
		FILL: Dark Brown (7.5YR 3/2) medium SAND, some Clay and Silt, trace fine Gravel, granular.			
			0.0 ppm		
14		FILL: Gray (Gley N5/0) fine SAND, some Silt and Clay, granular.			
				132-B10H (14.5-15.0)	Cr+6, TAL Metals
		NR: No Recovery			
16		PEAT: Dark Brown (10YR 3/4) CLAY and ORGANICS (meadow mat), cohesive.	1.7 ppm	132-B10I (16.0-16.5)	Cr+6, TAL Metals
				132-B10J (18.0-18.5)	Cr+6, TAL Metals
18				132-B10K (18.5-19.1)	Cr+6, TAL Metals
		SAND: Dark Gray (2.5Y 4/1) fine SAND, some Silt and Clay, trace fine Gravel, granular.	0.4 ppm		

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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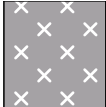
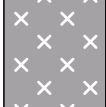
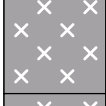
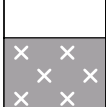
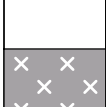
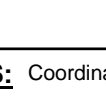

		Client: PPG Industries		BORING ID: 132-B10	
		Site: Site 132			
Start Date: 1/29/2007		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-610873.6 Y-683151.3		Depth of Boring: 28.00	
End Date: 1/30/2007		Elevation: 14.32		Geologist: P. Kelly	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit/Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

20		NR: No Recovery			
		SAND: Dark Gray (2.5Y 4/1) fine SAND, some Silt and Clay, trace fine Gravel, granular.			
22		GRAVEL: Dark Reddish Brown (5YR 3/4) fine GRAVEL, some coarse Sand and medium to coarse Gravel, granular, wet.		132-B10L (22.1-22.4)	Cr+6, TAL Metals
24		NR: No Recovery			
		SAND: Dark Reddish Brown (2.5 YR 3/4) coarse SAND, some fine Gravel, granular.			
26				132-B10M (26.1-26.6)	Cr+6, TAL Metals
28		NR: No Recovery			
		NULL: End of Boring at 28 ft.			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

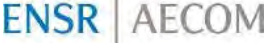
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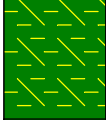
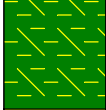
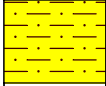

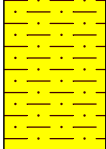
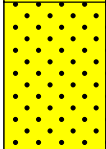

		Client: PPG Industries		BORING ID: 132-B2	
		Site: Site 132			
Start Date: 1/30/2007		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-610591.1 Y-683012.5		Depth of Boring: 27.00	
End Date: 1/30/2007		Elevation: 14.85		Geologist: P. Kelly	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit/G. Demettrion	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		FILL: Dark Yellowish Brown (10YR 4/6) SILT, some Clay and fine Sand, trace fine Gravel and organic matter, granular.	0.0 ppm	132-B2A (0.0-0.8)	Cr+6, TAL Metals
				132-B2AD (0.0-0.8)	Cr+6, TAL Metals
2			0.0 ppm		
4			0.0 ppm		
6		FILL: Olive Gray (5Y 5/1) ASH, some fine gravel and fine Sand, little ceramic fragments, granular.	0.0 ppm	132-B2B (4.5-4.9)	MS/MSD, Cr+6, TAL Metals
		NR: No Sample		132-B2C (5.0-6.5)	Cr+6, TAL Metals
8		FILL: Olive Brown (2.5YR 4/2) fine SAND, some Silt and Clay, little fine to medium Gravel, granular.	0.0 ppm	132-B2E (6.0-6.5)	Cr+6, TAL Metals
		NR: No Sample			
		FILL: Dark Gray (5Y 4/1) SILT some fine Sand, little fine Gravel, granular.	0.0 ppm		
		NR: No Recovery			
		FILL: Dark Gray (5Y 4/1) SILT some fine Sand, little fine Gravel, granular.	0.0 ppm		
		SILTY CLAY: Dark Gray (5Y 4/1) SILT and CLAY, little organic matter, cohesive.	0.0 ppm		

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

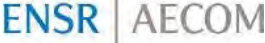
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		Client: PPG Industries	BORING ID: 132-B2		
		Site: Site 132			
Start Date: 1/30/2007	Project: Site Investigation		Page: 2 of 3		
	Coordinates: X-610591.1 Y-683012.5		Depth of Boring: 27.00		
End Date: 1/30/2007	Elevation: 14.85		Geologist: P. Kelly		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit/G. Demettrion		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

10		NR: No Recovery	0.0 ppm	132-B2F (9.8-10.2)	Cr+6, TAL Metals
12		SILTY CLAY: Dark Gray (5Y 4/1) SILT and CLAY, little organic matter, cohesive.	0.0 ppm	132-B2G (13.0-13.4)	Cr+6, TAL Metals
		SILT: Gray (5Y 5/1) SILT, some Clay, trace Weak Red (10R 4/3) fine Gravel (native), granular.			
14		NR: No Recovery	0.0 ppm	132-B2H (17.3-17.7)	Cr+6, TAL Metals
16		SILT: Gray (5Y 5/1) SILT, some Clay, trace Weak Red (10R 4/3) fine Gravel (native), granular.	0.0 ppm	132-B2H (17.3-17.7)	Cr+6, TAL Metals
		SAND: Red (2.5YR 4/6) fine SAND, some Silt and Clay, granular, very wet.			
18		GRAVEL: Red (2.5YR 4/6) fine GRAVEL, some Clay, fine Sand and Silt, little medium Gravel, granular.			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

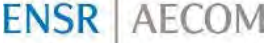
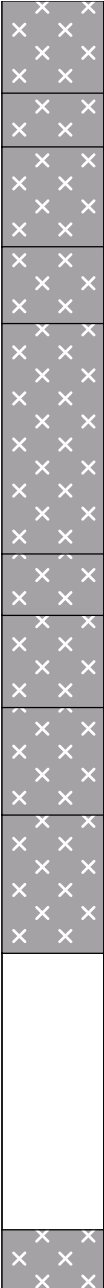

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		Client: PPG Industries	BORING ID: 132-B2		
		Site: Site 132			
Start Date: 1/30/2007	Project: Site Investigation		Page: 3 of 3		
	Coordinates: X-610591.1 Y-683012.5		Depth of Boring: 27.00		
End Date: 1/30/2007	Elevation: 14.85		Geologist: P. Kelly		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit/G. Demetrian		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

20		NR: No Recovery			
		GRAVEL: Red (2.5YR 4/6) fine GRAVEL, some Clay, fine Sand and Silt, little medium Gravel, granular.			
22		NR: No Recovery		132-B2I (21.0-21.4)	Cr+6, TAL Metals
		GRAVEL: Red (2.5YR 4/6) fine GRAVEL, some Clay, fine Sand and Silt, little medium Gravel, granular.			
24		NR: No Recovery		132-B2J (25.1-25.5)	Cr+6, TAL Metals
		GRAVEL: Red (2.5YR 4/6) fine GRAVEL, some Clay, fine Sand and Silt, little medium Gravel, granular.			
26		NR: No Recovery			
		NULL: Refual at 27 ft.			


NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

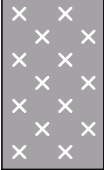



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		Client: PPG Industries	BORING ID: 132-B3		
		Site: Site 132			
Start Date: 1/31/2007	Project: Site Investigation		Page: 1 of 4		
	Coordinates: X-610630.8 Y-682774.0		Depth of Boring: 5.00		
End Date: 1/31/2007	Elevation: 15.63		Geologist: P. Kelly		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters
0		FILL: Topsoil, some Gravel and debris, granular.	0.0 ppm	132-B3A (0.0-0.6)	Cr+6, TAL Metals
		FILL: Black (5YR 2.5/1) coarse SAND, some fine Gravel and Silt, little glass fragments and debris, granular.		132-B3B (0.6-0.95)	Cr+6, TAL Metals
		FILL: Grayish Brown (10YR 5/2) ASH, some fine to medium Gravel, little ceramic fragments, granular.		132-B3C (0.95-1.6)	Cr+6, TAL Metals
2		FILL: Dark Brown (7.5YR 3/4) SILT, some Sand, little fine to coarse Gravel and organic matter, granular.		132-B3D (1.6-2.1)	Cr+6, TAL Metals
		FILL: Brown (10YR 4/3) CLAY, some Silt, little fine to coarse Gravel, trace organic matter, cohesive.			
4		FILL: Yellow Brown (10YR 5/8) CLAY and SILT, some fine to coarse Gravel, Ash, and debris, cohesive (Fill).		132-B3F (3.6-3.85)	Cr+6, TAL Metals
		FILL: Dark Brown (7.5YR 3/2) SILT, little fine to medium Sand, trace fine semi-angular Gravel and Fill materials (coal, wood, paper, brick), granular, moist. No odor.		132-B3G (4.0-4.5)	Cr+6, TAL Metals
		FILL: Dark Brown (7.5YR 3/2) SILT, some Ash, little fine to medium Sand, trace fine semi-angular Gravel and Fill materials (coal, wood, paper, large brick peices), granular, moist. No odor.		132-B3H (5.3-6.2) 132-B3HD (5.3-6.2)	Cr+6, TAL Metals Cr+6, TAL Metals
6		FILL: Dark Gray (Gley N4/0) ASH, some finely crushed Fill material (ceramics, shells, rocks), wet, granular. No odor.			
		NR: No Recovery			
8		FILL: Dark Gray (Gley N4/0) ASH, some finely crushed Fill material (ceramics, shells, rocks), granular, wet.	0.0 ppm		

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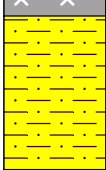
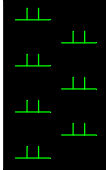

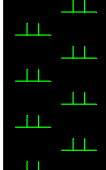
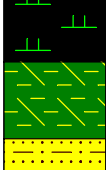
		Client: PPG Industries		BORING ID: 132-B3		
		Site: Site 132				
Start Date: 1/31/2007		Project: Site Investigation		Page: 2 of 4		
		Coordinates: X-610630.8 Y-682774.0		Depth of Boring: 5.00		
End Date: 1/31/2007		Elevation: 15.63		Geologist: P. Kelly		
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

10		No odor.	0.0 ppm	132-B3I (9.0-9.5)	Cr+6, TAL Metals
12		FILL: Dark Gray (Gley N4/0) ASH, some finely crushed Fill material (ceramics, shells, rocks), granular, wet. No odor.	0.0 ppm 0.0 ppm 0.0 ppm		
				132-B3J (13.0-13.5)	Cr+6, TAL Metals
				132-B3K (13.5-14.0)	Cr+6, TAL Metals
14		PEAT: Very Dark Gray (10YR 3/1) organic CLAY, some to little Peat materials, trace interbedded very fine Sand, cohesive, moist. No odor.			
16		FILL: Dark Gray (Gley N4/0) ASH, little Silt, crushed Fill material (ceramics, tile, plastic, rock), granular, wet. No odor.	0.0 ppm 0.0 ppm	132-B3L (16.0-16.5)	Cr+6, TAL Metals

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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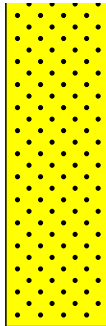
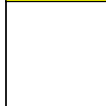
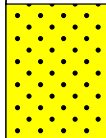
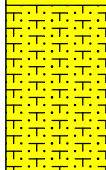
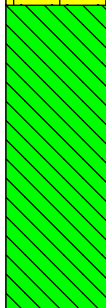
		Client: PPG Industries		BORING ID: 132-B3		
		Site: Site 132				
Start Date: 1/31/2007		Project: Site Investigation		Page: 3 of 4		
		Coordinates: X-610630.8 Y-682774.0		Depth of Boring: 5.00		
End Date: 1/31/2007		Elevation: 15.63		Geologist: P. Kelly		
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

18		SILT: Reddish Brown (5YR 4/3) SILT, trace fine semi-angular Gravel and fine Sand (Fill), granular, wet. No odor.	0.0 ppm	132-B3M (16.9-17.9)	MS/MSD, Cr+6, TAL Metals
			3.3 ppm		
		PEAT: Very Dark Grayish Brown (10YR 3/2) PEAT, organics, cohesive, moist. Sulfur odor.		132-B3N (17.9-18.4)	Cr+6, TAL Metals
20		NR: No Recovery			
		PEAT: Black organic CLAY, little to trace Peat, cohesive, moist. Sulfur odor.	0.0 ppm	132-B3O (20.0-20.5)	Cr+6, TAL Metals
22			1.0 ppm		
		SILTY CLAY: Greenish Gray (5GY 5/1) silty CLAY, cohesive, moist. No odor.		132-B3P (21.6-22.1)	Cr+6, TAL Metals
			0.0 ppm		
24		SAND AND SILT: Greenish Gray (5GY 5/1) SILT and very fine SAND, granular, moist. No odor.			
			0.0 ppm		
		SILT: Gray (Gley N5/0), Red-Orange, and Goldenrod mottled SILT, some Clay, semi-cohesive, moist. No odor.			
			0.0 ppm		
		NR: No Recovery	0.0 ppm		
		SILTY SAND: Dark Grayish Brown (2.5Y 4/2) silty SAND, trace Clay, granular, moist. No odor.	0.0 ppm		

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		Client: PPG Industries		BORING ID: 132-B3		
		Site: Site 132				
Start Date: 1/31/2007		Project: Site Investigation		Page: 4 of 4		
		Coordinates: X- 610630.8 Y-682774.0		Depth of Boring: 5.00		
End Date: 1/31/2007		Elevation: 15.63		Geologist: P. Kelly		
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

26		SAND: Dark Reddish Brown (2.5YR 3/4) fine to coarse SAND, little Silt and fine to medium semi-angular Gravel, granular, wet. No odor.	0.0 ppm	132-B3Q (25.5-26.0)	Cr+6, TAL Metals
28		NR: No Recovery	0.0 ppm		
		SAND: Dark Reddish Brown (2.5YR 3/4) fine to coarse SAND, little Silt and fine to medium semi-angular Gravel, granular, wet. No odor.	0.0 ppm		
30		SILTY SAND: Dark Reddish Brown (2.5YR 3/4) very fine silty SAND, trace Clay, granular, wet. No odor.	0.0 ppm	132-B3R (29.5-30.0)	Cr+6, TAL Metals
32		CLAY: Dark Reddish Brown (2.5YR 3/4) CLAY, trace Silt, cohesive, moist. No odor.	0.0 ppm		
NULL: End of Boring at 32 ft.					

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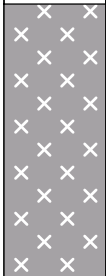

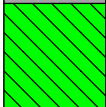
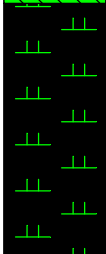
		Client: PPG Industries		BORING ID: 132-B4	
		Site: Site 132			
Start Date: 2/1/2007		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-610667.2 Y-682892.3		Depth of Boring: 28.00	
End Date: 2/1/2007		Elevation: 16.18		Geologist: P. Kelly	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit/G. Demettrion	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		FILL: CONCRETE	0.0 ppm		
		FILL: Strong Brown (7.5YR 5/6) medium SAND, granular.		132-B4A (0.9-1.1)	Cr+6, TAL Metals
2		FILL: Very Dark Gray (2.5Y 3/1) ASH, some coarse Sand, fine Gravel and coal/ceramic fragments, granular.	0.2 ppm		
				132-B4B (1.9-2.4)	Cr+6, TAL Metals
		FILL: Olive Brown (2.5YR 4/3) SILT and CLAY, some fine Sand, semi-cohesive.	0.2 ppm		
		NR: No Sample			
4		FILL: Olive Brown (2.5YR 4/3) SILT and CLAY, some fine Sand, semi-cohesive.	0.0 ppm	132-B4C (4.1-5.5)	Cr+6, TAL Metals
6		FILL: Reddish Brown (5YR 4/3) SILT, some Clay, little fine Gravel, semi-cohesive.	0.0 ppm		
		NR: No Recovery			
8		FILL: Reddish Brown (5YR 4/3) SILT, some Clay, little fine Gravel, semi-cohesive.	0.0 ppm		
				132-B4D (8.4-8.9)	Cr+6, TAL Metals
		FILL: Dark Gray (10YR 4/1) fine GRAVEL, some Silt and fine Sand, granular, wet	0.0 ppm		

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

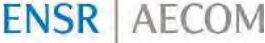
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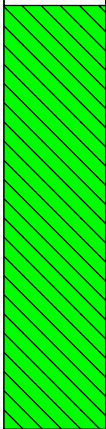
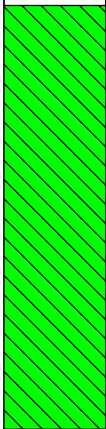
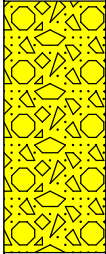
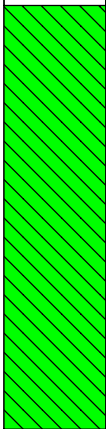
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		Site: Site 132			
Start Date: 2/1/2007		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-610667.2 Y-682892.3		Depth of Boring: 28.00	
End Date: 2/1/2007		Elevation: 16.18		Geologist: P. Kelly	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit/G. Demettrion	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

10					
		NR: No Recovery			
12		FILL: Dark Gray (10YR 4/1) fine GRAVEL, some Silt and fine Sand, granular, wet	0.0 ppm		
			0.0 ppm	132-B4E (12.8-13.4)	Cr+6, TAL Metals
14		NR: No Recovery			
16		FILL: Dark Gray (10YR 4/1) fine GRAVEL, some Silt and fine Sand, granular, wet	0.0 ppm		
		CLAY: Reddish Brown (5YR 4/4) CLAY, some Silt, trace fine Gravel, cohesive, moist.	0.0 ppm	132-B4F (16.7-17.2)	Cr+6, TAL Metals
18		PEAT: Very Dark Brown (7.5YR 2.5/3) CLAY and ORGANICS (meadow mat), cohesive.	0.2 ppm	132-B4G (17.5-18.0)	Cr+6, TAL Metals
				132-B4H (19.2-19.7)	Cr+6, TAL Metals

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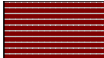




		Client: PPG Industries	BORING ID: 132-B4		
		Site: Site 132			
Start Date: 2/1/2007	Project: Site Investigation		Page: 3 of 3		
	Coordinates: X-610667.2 Y-682892.3		Depth of Boring: 28.00		
End Date: 2/1/2007	Elevation: 16.18		Geologist: P. Kelly		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit/G. Demettrion		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

20		NR: No Recovery	0.0 ppm		
		CLAY: Dark Gray (5YR 4/1) CLAY, little Silt and organic matter, cohesive.		132-B4I (20.4-20.9)	Cr+6, TAL Metals
22			0.0 ppm		
24		NR: No Recovery			
		GRAVEL: Strong Brown (7.5YR 4/6) fine GRAVEL, some coarse Sand and Silt, granular, wet.		132-B4J (24.7-28.1)	Cr+6, TAL Metals
26		NR: No Recovery			
28		NULL: End of Boring at 28 ft.			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

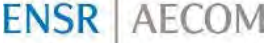
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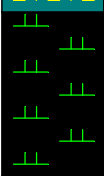
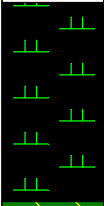

		Client: PPG Industries	BORING ID: 132-B5		
		Site: Site 132			
Start Date: 1/31/2007	Project: Site Investigation		Page: 1 of 3		
	Coordinates: X-610730.8 Y-682726.3		Depth of Boring: 28.00		
End Date: 1/31/2007	Elevation: 14.99		Geologist: P. Kelly		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit/G. Demetrian		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: ASPHALT	1.3 ppm		
		FILL: Dark Gray (10YR 5/1) coarse SAND, some fine to coarse Gravel, Silt, woody organics and glass fragments, granular.		132-B5A (0.7-1.2)	MS/MSD, Cr+6, TAL Metals
2					
4		FILL: Gray (2.5Y 5/1) ASH, some fine Gravel and coarse Sand, little ceramic and metal fragments, granular.		132-B5B (3.8-4.4)	Cr+6, TAL Metals
6		FILL: Gray (2.5Y 5/1) ASH, some fine Gravel and coarse Sand, little ceramic and metal fragments, granular.			
		NR: No Recovery			
8		FILL: Gray (2.5Y 5/1) ASH, some fine Gravel and coarse Sand, little ceramic and metal fragments, granular.		132-B5C (8.0-8.6)	Cr+6, TAL Metals
		NR: No Recovery			
10					

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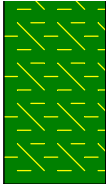
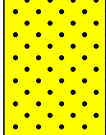
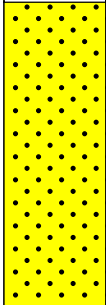
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		Site: Site 132			
Start Date: 1/31/2007	Project: Site Investigation		Page: 2 of 3		
	Coordinates: X-610730.8 Y-682726.3		Depth of Boring: 28.00		
End Date: 1/31/2007	Elevation: 14.99		Geologist: P. Kelly		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit/G. Demettrion		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

12		NR: No Recovery			
14					
16		PEAT: Very Dark Gray (5YR 3/1) CLAY, some Silt, little fine Sand and organics, cohesive.		132-B5D (16.0-16.7)	Cr+6, TAL Metals
		CLAY AND SAND: Weak Red (10R 4/3) CLAY and fine SAND, some fine Gravel, semi-cohesive, wet.		132-B5E (16.7-17.4)	Cr+6, TAL Metals
18		PEAT: Very Dark Brown (10YR 2/2) CLAY and ORGANICS (meadow mat), cohesive. Strong odor.		132-B5F (17.5-18.0)	Cr+6, TAL Metals
		NR: No Recovery			
20		PEAT: Very Dark Brown (10YR 2/2) CLAY and ORGANICS (meadow mat), cohesive. Strong odor.			
				132-B5G(21.3-21.7) 132-B5GD(21.3-21.7)	Cr+6, TAL Metals Cr+6, TAL Metals
22		SILTY CLAY: Gray (Gley N5/0) CLAY and SILT, little		132-B5H	Cr+6, TAL Metals

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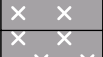
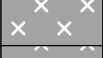













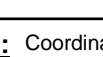




		Client: PPG Industries		BORING ID: 132-B5	
		Site: Site 132			
Start Date: 1/31/2007		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-610730.8 Y-682726.3		Depth of Boring: 28.00	
End Date: 1/31/2007		Elevation: 14.99		Geologist: P. Kelly	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit/G. Demetrian	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

24		organic matter, cohesive.		(21.9-22.4)	
		NR: No Recovery			
26		SAND: Reddish Brown (2.5YR 3/4) coarse SAND, trace fine Gravel, granular, wet.		132-B5I (24.0-24.9)	Cr+6, TAL Metals
		NR: No Recovery			
28		SAND: Reddish Brown (2.5YR 3/4) fine SAND, trace fine Gravel, granular.			
		NR: No Recovery		132-B5J (29.1-29.5)	Cr+6, TAL Metals
30		NR: No Recovery			
32		NULL: End of Boring at 28 ft.			

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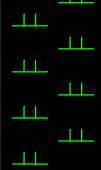
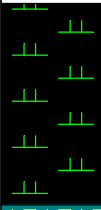
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		Site: Site 132				
Start Date: 2/1/2007		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-610769.5 Y-682809.0		Depth of Boring: 32.00		
End Date: 2/1/2007		Elevation: 15.97		Geologist: P. Kelly		
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

0		FILL: CONCRETE	1.0 ppm		
		FILL: Strong Brown (7.5YR 5/6) medium SAND, granular.		132-B6A (1.0-1.4)	Cr+6, TAL Metals
					
2		FILL: Black (10YR 2/1) coarse SAND, some Silt, fine to medium Gravel, little glass, brick fragments and woody organics, granular.		132-B6B (1.8-2.3)	Cr+6, TAL Metals
					
		FILL: Brick Red and White (5YR 8/1), brick fragments and concrete fragments, granular.		132-B6C (2.5-2.9)	Cr+6, TAL Metals
					
4		NR: No Sample			
					
		FILL: Dark Gray and slight Brown (2.5YR 4/2) SILT, some Clay, little coarse Sand and fine Gravel, semi-cohesive.		132-B6D(4.5-5.2) 132-B6DD(4.5-5.2)	Cr+6, TAL Metals Cr+6, TAL Metals
					
					
6		NR: No Recovery			
8		FILL: Dark Gray and slight Brown (2.5YR 4/2) SILT, some Clay, little coarse Sand and fine Gravel, semi-cohesive.			
					
					
					
					
					
10					
					
					
					
					
					
					
		NR: No Recovery			

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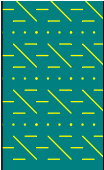
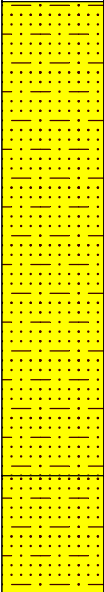
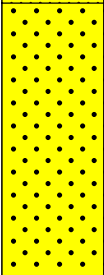
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		Site: Site 132				
Start Date: 2/1/2007		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610769.5 Y-682809.0		Depth of Boring: 32.00		
End Date: 2/1/2007		Elevation: 15.97		Geologist: P. Kelly		
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

12		FILL: Dark Gray and slight Brown (2.5YR 4/2) SILT, some Clay, little coarse Sand and fine Gravel, semi-cohesive.			
14		FILL: Black (5YR 2.5/1) fine GRAVEL and SILT, some Clay, little medium Gravel, granular.		132-B6F (13.8-14.2)	Cr+6, TAL Metals
		NR: No Recovery			
16		FILL: Gray (10YR 5/1) ASH, some fine Gravel and coarse Sand, little ceramic fragments, granular.		132-B6G (16.4-16.8)	Cr+6, TAL Metals
		PEAT: Very Dark Brown (7.5YR 2.5/3) CLAY and ORGANICS (meadow mat), cohesive. Strong odor.		132-B6H (17.3-17.7)	Cr+6, TAL Metals
		NR: No Recovery			
20		PEAT: Very Dark Brown (7.5YR 2.5/3) CLAY and ORGANICS (meadow mat), cohesive. Strong odor.		132-B6I (21.4-21.7)	Cr+6, TAL Metals

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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		Client: PPG Industries		BORING ID: 132-B6		
		Site: Site 132				
Start Date: 2/1/2007		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-610769.5 Y-682809.0		Depth of Boring: 32.00		
End Date: 2/1/2007		Elevation: 15.97		Geologist: P. Kelly		
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

22		CLAY AND SAND: Dark Bluish Gray (5B 4/1) fine SAND and CLAY, little fine Gravel and organic matter, semi-cohesive.		132-B6J (21.9-22.4)	Cr+6, TAL Metals
		NR: No Recovery			
24		SAND AND SILT: Gray (2.5Y 5/1) coarse SAND and SILT, granular, wet.			
26				132-B6K (25.4-26.1)	Cr+6, TAL Metals
28		SAND AND SILT: Gray (2.5Y 5/1) coarse SAND and SILT, granular, wet.			
30		SAND: Dark Red (10R 3/6) coarse to fine SAND, some Clay, semi-cohesive.		132-B6L (29.6-30.1)	Cr+6, TAL Metals
		NR: No Recovery			
32		NULL: End of Boring at 32 ft.			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

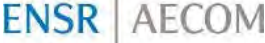
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		Client: PPG Industries		BORING ID: 132-B7		
		Site: Site 132				
Start Date: 2/1/2007		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-610800.8 Y-682894.9		Depth of Boring: 17.05		
End Date: 2/1/2007		Elevation: 15.97		Geologist: P. Kelly		
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

0		FILL: CONCRETE			
		FILL: Strong Brown (7.5YR 5/6) medium SAND, granular, moist.	0.0 ppm	132-B7A (0.6-1.0)	MS/MSD, Cr+6, TAL Metals
					
2					
		FILL: Black (10YR 2/1) coarse SAND, some Silt, fine to medium Gravel, little glass, brick fragments and woody organics, granular.	0.0 ppm		
			0.0 ppm	132-B7B(3.0-3.6) 132-B7BD(3.0-3.6)	Cr+6, TAL Metals Cr+6, TAL Metals
		NR: No Sample			
4		FILL: Black (10YR 2/1) coarse SAND, some Silt, fine to medium Gravel, little glass, brick fragments and woody organics, granular.	0.0 ppm		
				132-B7C (4.5-5.0)	Cr+6, TAL Metals
		FILL: Dark Grayish Brown (2.5YR 4/2) coarse GRAVEL, granular, wet.	0.0 ppm		
6		NR: No Recovery			
8		FILL: Black (10YR 2/1) fine SAND, some Silt and fine GRAVEL, some Silt and Clay, little fibrous organics, granular. Slight petroleum odor.	0.2 ppm		
				132-B7D	Cr+6, TAL Metals

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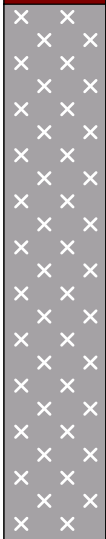
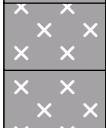
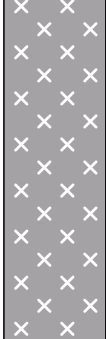

		Client: PPG Industries	BORING ID: 132-B7		
		Site: Site 132			
Start Date: 2/1/2007	Project: Site Investigation		Page: 2 of 2		
	Coordinates: X-610800.8 Y-682894.9		Depth of Boring: 17.05		
End Date: 2/1/2007	Elevation: 15.97		Geologist: P. Kelly		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

10		FILL: Black (10YR 2/1) fine SAND, little medium GRAVEL, granular, wet. Slight petroleum odor.	0.0 ppm	(8.9-9.0)	
12		NR: No Recovery			
		FILL: Black (10YR 2/1) fine SAND, little medium GRAVEL, granular, wet. Slight petroleum odor.	0.0 ppm	132-B7E (12.0-12.5)	Cr+6, TAL Metals
14		NR: No Recovery	0.0 ppm		
16					
		FILL: Refusal at 17 ft on piece of steel sheeting.			
		NULL: End of Boring at 17.05 ft.			

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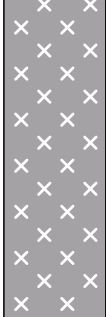
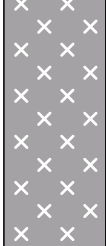
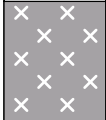

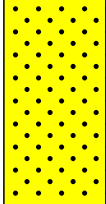
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		Site: Site 132			
Start Date: 1/29/2007		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-610902.5 Y-682974.1		Depth of Boring: 28.00	
End Date: 1/29/2007		Elevation: 13.83		Geologist: P. Kelly	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit/G. Demettrion	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: ASPHALT	0.0 ppm		
		ASPHALT: ASPHALT sub-base		132-B8A (0.5-1.0)	Cr+6, TAL Metals
2		FILL: Dusky Red (2.5YR 3/2) fine Gravel-Sized COPR (50%), some coarse Sand, Silt and Clay, granular.			
4		FILL: Greenish Gray (5GY 6/1) SILT, some fine Gravel and conglomerated nodules of Silt and fine Sand, granular.		132-B8B (4.5-5.0)	Cr+6, TAL Metals
6		FILL: Greenish Gray (5GY 6/1) SILT, some fine Gravel and conglomerated nodules of Silt and fine Sand, granular.			
8				132-B8C (6.7-7.1)	Cr+6, TAL Metals
		FILL: Greenish Gray (5GY 6/1) SILT and CLAY, cohesive.			
			0.0 ppm	132-B8D	Cr+6, TAL Metals

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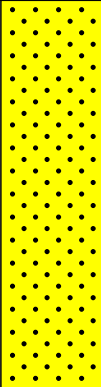
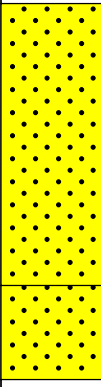
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		Site: Site 132			
Start Date: 1/29/2007		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-610902.5 Y-682974.1		Depth of Boring: 28.00	
End Date: 1/29/2007		Elevation: 13.38		Geologist: P. Kelly	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit/G. Demetrian	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

10			0.0 ppm	(9.4-9.7)	
12		FILL: Black (10YR 2/1) SILT and CLAY, little woody organics, cohesive.			
				132-B8E (13.5-13.9)	Cr+6, TAL Metals
14		NR: No Recovery			
16		FILL: Black (10YR 2/1) SILT and CLAY, little woody organics, cohesive.	6.0 ppm		
18	 	PEAT: Very Dark Brown (7.5YR 2.5/4) Clay and ORGANICS (meadow mat), cohesive.	6.0 ppm	132-B8F (16.9-17.3)	Cr+6, TAL Metals
			0.0 ppm		
		SAND: Gray (5YR 6/1) fine SAND, some Silt and Clay, trace organic matter, semi-cohesive.		132-B8G (17.7-18.1)	Cr+6, TAL Metals
		NR: No Recovery			

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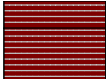
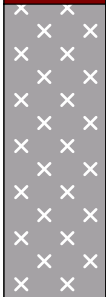
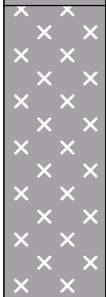

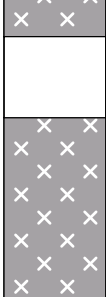
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		Site: Site 132			
Start Date: 1/29/2007		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-610902.5 Y-682974.1		Depth of Boring: 28.00	
End Date: 1/29/2007		Elevation: 13.38		Geologist: P. Kelly	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit/G. Demettrion	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

20		SAND: Weak Red (10R 4/2) coarse SAND, some fine to medium Gravel, granular, wet.			
22				132-B8H (21.7-22.1)	Cr+6, TAL Metals
24		NR: No Recovery			
26		SAND: Weak Red (10R 4/2) coarse SAND, some fine to medium Gravel, granular, wet.			
28		SAND: Weak Red (10R 4/2) fine SAND, granular.			
		NR: No Recovery			
		NULL: End of Boring at 28 ft.			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

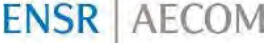
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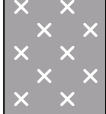
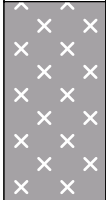
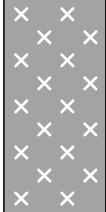
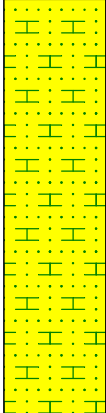
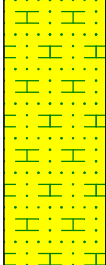
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		Site: Site 132			
Start Date: 1/29/2007		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-610942.3 Y-683051.9		Depth of Boring: 28.00	
End Date: 1/29/2007		Elevation: 15.42		Geologist: P. Kelly	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit/G. Demettrion	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: ASPHALT	0.0 ppm		
		ASPHALT: Gray coarse GRAVEL sub-base, granular.		132-B9A (0.6-1.0)	MS/MSD, Cr+6, TAL Metals
2		FILL: Very Dark Gray (5YR 3/1) coarse SAND, some fine Gravel, little coarse Gravel, brick and COPR (10%), granular.	0.0 ppm		
		FILL: Dusky Red (2.5YR 3/2) coarse SAND, some COPR (30%), little fine Gravel, trace glass fragments, granular, wet at 4.8 feet.		132-B9B(2.8-3.2) 132-B9BD(2.8-3.2)	Cr+6, TAL Metals Cr+6, TAL Metals
4		FILL: Light Brownish Gray (10YR 6/2) SILT and SAND, some fine to coarse Gravel, granular.	0.0 ppm		
		FILL: Black (5YR 2.5/1) fine SAND, granular, wet.		132-B9C (5.0-5.5)	Cr+6, TAL Metals
6		NR: No Recovery	0.0 ppm		
		FILL: Bright Greenish Gray coarse SAND, some Silt, little fine Gravel, granular.		132-B9D (6.7-7.4)	Cr+6, TAL Metals
8			0.0 ppm		
				132-B9E (8.0-8.5)	Cr+6, TAL Metals

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

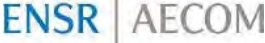
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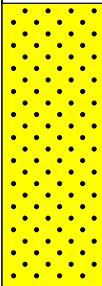
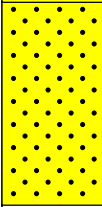
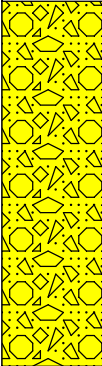
		Client: PPG Industries	BORING ID: 132-B9		
		Site: Site 132			
Start Date: 1/29/2007	Project: Site Investigation		Page: 2 of 3		
	Coordinates: X-610942.3 Y-683051.9		Depth of Boring: 28.00		
End Date: 1/29/2007	Elevation: 15.42		Geologist: P. Kelly		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit/G. Demettrion		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

10					
		NR: No Recovery			
12		FILL: Bright Greenish Gray coarse SAND, some Silt, little fine Grave, granularl.	0.2 ppm		
14		FILL: Black (5YR 2.5/1) SILT and CLAY, cohesive. Petroluem odor.	0.0 ppm	132-B9F (13.5-14.0)	Cr+6, TAL Metals
		NR: No Recovery			
16		SILT AND CLAY: Black (5YR 2.5/1) SILT and CLAY, little organic matter (native), cohesive.	0.0 ppm	132-B9G (16.6-17.1)	Cr+6, TAL Metals
18			0.0 ppm		

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		Client: PPG Industries	BORING ID: 132-B9		
		Site: Site 132			
Start Date: 1/29/2007	Project: Site Investigation		Page: 3 of 3		
	Coordinates: X-610942.3 Y-683051.9		Depth of Boring: 28.00		
End Date: 1/29/2007	Elevation: 15.42		Geologist: P. Kelly		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit/G. Demettrion		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

20		NR: No Recovery	0.0 ppm		
		SAND: Dark Gray (2.5Y 4/1) fine SAND, some Clay, semi-cohesive.		132-B9H (21.0-21.3)	Cr+6, TAL Metals
22		SAND: Weak Red (10R 4/2) coarse SAND, some fine Gravel, granular, wet.		132-B9I (22.4-22.8)	Cr+6, TAL Metals
		NR: No Recovery			
24		GRAVEL: Weak Red (10R 4/2) fine GRAVEL, some coarse Sand, little medium Gravel, granular, wet.		132-B9J (25.1-25.6)	Cr+6, TAL Metals
		NR: No Recovery			
28		NULL: End of Boring at 28 ft.			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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132-MW1B


No Boring Log Available

132-MW2C

No Boring Log Available

133-1C


No Boring Log Available

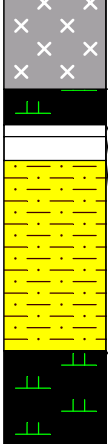
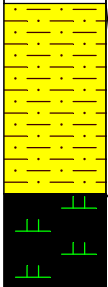

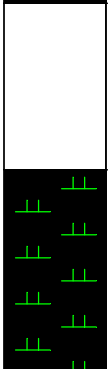
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		Site: Site 133			
Start Date: 12/6/2006		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611151.6 Y-682630.2		Depth of Boring: 32.00	
End Date: 12/8/2006		Elevation: 13.15		Geologist: P. Kelly, R. Firely	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller:	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		FILL: Street level ASPHALT	0.0 ppm		
		FILL: Coarse GRAVEL Rock (Macadam sub-surface), dry.	0.0 ppm		
		FILL: Dark Brown SAND, some fine to coarse Gravel, dry.	0.0 ppm		
2		FILL: Gray-green SILT (ASH), some fine Gravel, little fine gravel-sized Slag, dry.			
			0.0 ppm		
4		FILL: Green-gray fine to coarse SAND, some fine Gravel and Ash, wet. (WASTE MUD)	0.0 ppm		
		FILL: Gray-green fine GRAVEL and fine SAND, some Silt, very loose, wet.	0.0 ppm		
			0.2 ppm		
6		FILL: Grayish green SILT, little Clay, trace coarse Gravel, cohesive, wet. (WASTE MUD)		133-B1E (5.4-6.4)	MS/MSD, Cr+6, TAL Metals
8		FILL: No Recovery			
		FILL: Grayish green SILT, little Clay, trace coarse Gravel, cohesive, wet. (WASTE MUD)	0.0 ppm		
10				133-B1F (9.4-9.9)	Cr+6, TAL Metals

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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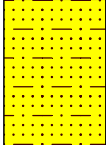
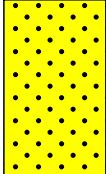
		Client: PPG Industries		BORING ID: 133-B1	
		Site: Site 133			
Start Date: 12/6/2006		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611151.6 Y-682630.2		Depth of Boring: 32.00	
End Date: 12/8/2006		Elevation: 13.15		Geologist: P. Kelly, R. Firely	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller:	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

12		PEAT: PEAT (10YR 2/1)	0.0-1.2 ppm		
		NR: No Recovery			
14		NR: Wash	0.0 ppm		
		SILT: Very Dark Gray (10YR 3/2) SILT, some Clay, cohesive, wet.			
16		PEAT: Black (10YR 2/1) PEAT	0.0 ppm	133-B1G (13.8-14.3)	Cr+6, TAL Metals
		NR: No Recovery			
18		PEAT: Black (10YR 2/1) PEAT	0.0 ppm	133-B1H (16.0-16.5)	Cr+6, TAL Metals
		NR: No Recovery			
20		NR: No Recovery	0.0 ppm	133-B1I (18.0-18.5)	Cr+6, TAL Metals
		PEAT: Black (10YR 2/1) PEAT		133-B1J (20.0-20.5)	Cr+6, TAL Metals

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

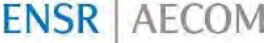
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		Client: PPG Industries		BORING ID: 133-B1		
		Site: Site 133				
Start Date: 12/6/2006		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611151.6 Y-682630.2		Depth of Boring: 32.00		
End Date: 12/8/2006		Elevation: 13.15		Geologist: P. Kelly, R. Firely		
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller:		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

22		SILT: Dark Gray (10YR 4/1) CLAY and SILT becoming fine SAND, SILT and CLAY, cohesive, wet.	0.0 ppm	133-B1K (22.0-22.5)	Cr+6, TAL Metals
24		NR: No Recovery			
26			0.0 ppm		
28		SAND AND SILT: Dark Gray (10YR 4/1) to Dark Reddish Brown (5YR 3/3) fine SAND and SILT, some medium to coarse Sand, little fine to coarse Gravel, wet, loose.			
30		SAND: Dark Reddish Brown (5YR 3/3) fine to medium SAND, some coarse Sand and fine to medium Gravel grading to fine Sand, wet, loose.			
32		NR: No Recovery			
NULL: End of Boring at 32 ft.					


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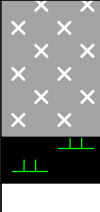
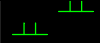
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		Client: PPG Industries	BORING ID: 133-B10		
		Site: Site 133			
Start Date: 4/17/2007	Project: Site Investigation		Page: 1 of 2		
	Coordinates: X-610977.0 Y-682430.4		Depth of Boring: 16.50		
End Date: 4/17/2007	Elevation: 14.11		Geologist: B. Ergezen		
	Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters
0		CONCRETE: Concrete slab, no staining.			
		FILL: Very Dark Grayish Brown (10YR 3/2) ASPHALT, some coarse to fine Sand, loose, dry. No odor.	0.4	133-B10A (0.5-0.9)	Cr+6, TAL Metals
		FILL: Reddish Brown (5YR 4/3) Silty CLAY, little medium to fine Gravel, coal, slight Green staining, cohesive, soft, moist. No odor. (Waste Mud)		133-B10B (0.9-1.3)	Cr+6, TAL Metals
			0.2	133-B10C(1.3-1.6)	Cr+6, TAL Metals
2		FILL: Dark Brown (10YR 3/3) and Light Green mottled coarse to fine SAND, some medium to fine Gravel, brick, plastic peices, loose, moist. No odor.		133-B10D (1.6-2.9)	Cr+6, TAL Metals
		FILL: Very Dark Brown (10YR 2/1) coarse to fine SAND and medium to fine GRAVEL, trace Silt, coal, brick, shells, loose, moist. No odor.	0.6		
		NR: No Recovery			
4					
		FILL: Very Dark Brown (10YR 2/1) coarse to fine SAND and medium to fine GRAVEL, trace Silt, coal, brick, shells, loose, moist. No odor.	1.4		
		FILL: Light Gray (10YR 7/1) pulverized CONCRETE (Concrete slab) with Lime Green staining at top, dense, dry. No odor.	2.7	133-B10E (5.1-6.0)	Cr+6, TAL Metals
6		FILL: Black (10YR 2/1) coarse to fine SAND and coarse to fine GRAVEL, trace Silt, brick, coal, loose, wet. No odor.		133-B10F (6.0-7.1)	Cr+6, TAL Metals
		NR: No Recovery	4.6		
8					

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		Client: PPG Industries		BORING ID: 133-B10		
		Site: Site 133				
Start Date: 4/17/2007		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-610977.0 Y-682430.4		Depth of Boring: 16.50		
End Date: 4/17/2007		Elevation: 14.11		Geologist: B. Ergezen		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

10		FILL: Very Dark Gray (2.5Y 3/1) coarse to fine SAND and coarse to fine GRAVEL, trace Silt, brick, coal, loose, wet. Heavy MGP odor.	15.1	133-B10G (8.5-9.0)	Cr+6, TAL Metals
		NR: No Recovery	53.2		
12		FILL: Very Dark Gray (2.5Y 3/1) coarse to fine SAND and coarse to fine GRAVEL, trace Silt, brick, coal, loose, wet. Heavy MGP odor.	14.6		
			4.1		
14		FILL: Dark Greenish Gray (5GY 4/1) fine to coarse SAND and fine to medium GRAVEL, trace Organics, glass, little Lime Green staining, loose, wet. No odor.	8.9	133-B10H (13.9-14.8)	Cr+6, TAL Metals
		PEAT: Black (10YR 2/1) organic CLAY, some Peat, cohesive, soft, moist. Sulfur odor.		133-B10I(14.8-15.1)	Cr+6, TAL Metals
16		NR: No Recovery			
		NULL: End of boring at 16.5 ft.			

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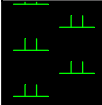
		Client: PPG Industries		BORING ID: 133-B11		
		Site: Site 133				
Start Date: 4/17/2007		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611036.0 Y-682457.2		Depth of Boring: 16.50		
End Date: 4/17/2007		Elevation: 14.36		Geologist: B. Ergezen		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

0		CONCRETE: Concrete slab, no staining.			
			0.7	133-B11A (0.5-2.0)	Cr+6, TAL Metals
			1.9		
2			3.0		
4			0.5		
			1.5	133-B11B (5.2-7.2)	Cr+6, TAL Metals
6			4.1		
8					

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		Client: PPG Industries		BORING ID: 133-B11		
		Site: Site 133				
Start Date: 4/17/2007		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-611036.0 Y-682457.2		Depth of Boring: 16.50		
End Date: 4/17/2007		Elevation: 14.36		Geologist: B. Ergezen		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

10		FILL: Very Dark Gray (10YR 3/1) coarse to fine SAND and medium to fine GRAVEL, trace Silt, interbedded with Dark Brown (10YR 3/3) medium Sand and medium to fine Gravel, plastic peices, loose, wet. Slight odor.	1.7	133-B11C (8.7-10.5)	Cr+6, TAL Metals
		NR: No Recovery			
		FILL: Black (10YR 2/1) coarse to fine SAND, some medium to fine Gravel, little organics, shells, ceramics, loose, moist. Odor.			
		PEAT: Black (10YR 2/1) organic CLAY, some Peat, cohesive, soft, moist. Sulfur odor.			
12		NR: No Recovery	10.1		
14			5.5		
16			6.3	133-B11D (13.5-14.2)	Cr+6, TAL Metals
NULL: End of boring at 16.5 ft.					

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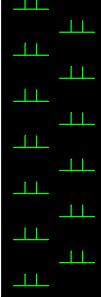
		Client: PPG Industries		BORING ID: 133-B12		
		Site: Site 133				
Start Date: 4/17/2007		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611114.7 Y-682515.1		Depth of Boring: 16.60		
End Date: 4/17/2007		Elevation: 14.44		Geologist: B. Ergezen		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

0		CONCRETE: Concrete slab, no staining.			
			28.0	133-B12A (0.6-1.1)	Cr+6, TAL Metals
		FILL: Dark Brown (7.5Y 3/3) fine to very fine SAND, some medium to fine sub-angular Gravel, little interbedded Clayey Silt, brick, coal, loose, moist. No odor.		133-B12B(1.1-1.4)	MS/MSD, Cr+6, TAL Metals
2		FILL: Reddish Brown (5YR 4/4) fine to very fine SAND and SILT, little Clay and medium to fine Gravel, brick, ash, glass, loose, moist. No odor.	22.0		
			50.0		
4		NR: No Recovery			
		FILL: Reddish Brown (5YR 4/4) fine to very fine SAND and SILT, little Clay and medium to fine Gravel, brick, ash, glass, loose, moist. No odor.	4.2	133-B12C(4.8-5.0)	Cr+6, TAL Metals
		CONCRETE: Light Gray (10YR 7/1) pulverized CONCRETE (Concrete slab), dense, dry. No odor.		133-B12D (5.0-6.0)	Cr+6, TAL Metals
6		FILL: Black (2.5YR 2.5/1) coarse to fine SAND, some medium to fine angular Gravel, little Silt, rubber, plastic, glass, loose, wet. Impacted with Coal Tar. MGP odor.	8.9		
		NR: No Recovery			
8					

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		Client: PPG Industries		BORING ID: 133-B12		
		Site: Site 133				
Start Date: 4/17/2007		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-611114.7 Y-682515.1		Depth of Boring: 16.60		
End Date: 4/17/2007		Elevation: 14.44		Geologist: B. Ergezen		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

10		FILL: Very Dark Gray (2.5YR 3/1) coarse to fine SAND, some medium to fine angular Gravel, little Silt, rubber, plastic, glass, loose, wet. MGP odor.	0.2	133-B12E (8.6-9.6)	Cr+6, TAL Metals
				133-B12ED (8.6-9.6)	Cr+6, TAL Metals
12		NR: No Recovery	0.4		
			0.8		
14		FILL: Black (2.5YR 2.5/1) coarse to fine SAND, some medium to fine angular Gravel, little Silt, rubber, plastic, glass, loose, wet. MGP odor.	0.4		
				133-B12F (13.3-14.3)	Cr+6, TAL Metals
16		PEAT: Black-stained (2.5YR 2.5/1) PEAT, interbedded with Dark Brown (10YR 3/3) fine to very fine SAND, trace medium to fine Gravel and Organics, cohesive, soft, moist. MGP odor.	4.7		
			14.6		
		NR: No Recovery			
NULL: End of boring at 16.6 ft.					

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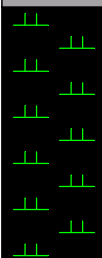
		Client: PPG Industries		BORING ID: 133-B13		
		Site: Site 133				
Start Date: 4/16/2007		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611148.7 Y-682572.5		Depth of Boring: 16.40		
End Date: 4/16/2007		Elevation: 13.98		Geologist: B. Ergezen		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

0		CONCRETE: Concrete slab, no staining.	0.3	133-B13A (0.4-1.6)	MS/MSD, Cr+6, TAL Metals
		FILL: Brownish Yellow (10YR 6/6) fine to very fine SAND, little Silt, trace Clay and medium to fine sub-angular Gravel, loose, moist. No odor.			
2		CONCRETE: Light Gray (10YR 7/1) pulverized CONCRETE (Concrete slab), dense, dry. No odor.	17.6	133-B13B (1.6-2.4)	Cr+6, TAL Metals
		FILL: Dark Brown (10Y 3/3) coarse to fine SAND, some medium to fine angular Gravel, little coal, trace organics, loose, moist. No odor.			
4		NR: No Recovery	2.1	133-B13C (2.4-3.2)	Cr+6, TAL Metals
6		FILL: Very Dark Gray (10YR 3/1) coarse to fine SAND and GRAVEL, little Silt, brick, coal, ash, loose, wet. No odor.	0.1		
8			0.1	133-B13D (5.8-6.8)	Cr+6, TAL Metals
		NR: No Recovery			

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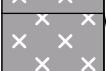


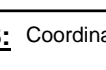


		Client: PPG Industries		BORING ID: 133-B13		
		Site: Site 133				
Start Date: 4/16/2007		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-611148.7 Y-682572.5		Depth of Boring: 16.40		
End Date: 4/16/2007		Elevation: 13.98		Geologist: B. Ergezen		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

10		FILL: Dark Gray (2.5Y 4/1) coarse to fine SAND and GRAVEL, little Silt, brick, coal, ash, slag, loose, wet. Slight sulfur odor.	0.1		
		NR: No Recovery	0.0	133-B13E (9.4-10.4)	Cr+6, TAL Metals
12			0.2		
		FILL: Dark Gray (2.5Y 4/1) coarse to fine SAND and GRAVEL, little Silt, brick, coal, ash, slag, loose, wet. Slight sulfur odor.	0.2	133-B13F (12.7-14.4)	Cr+6, TAL Metals
14		PEAT: Very Dark Grayish Brown (10YR 3/2) organic CLAY, some Peat, trace fine Gravel, cohesive, soft, moist. Sulfur odor.	0.7	133-B13FD (12.7-14.4)	Cr+6, TAL Metals
		NR: No Recovery	0.4		
16					
NULL: End of boring at 16.4 ft.					

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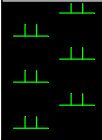
		Client: PPG Industries		BORING ID: 133-B14		
		Site: Site 133				
Start Date: 4/18/2007		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611187.7 Y-682628.8		Depth of Boring: 16.50		
End Date: 4/18/2007		Elevation: 14.57		Geologist: B. Ergezen		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

0		CONCRETE: Concrete slab, slight Green staining.	5.3	133-B14A (0.5-1.1)	Cr+6, TAL Metals
		NR: No Recovery			
2		FILL: Dark Brown (7.5YR 3/3) coarse to fine SAND, little Silt, trace medium to fine Gravel, loose, moist. No odor.	4.4	133-B14B (1.5-2.5)	Cr+6, TAL Metals
		FILL: Very Dark Gray (10YR 3/1) coarse to fine SAND and medium to fine GRAVEL, little coal, brick, Green staining at bottom of sample, loose, moist. No odor.			
		NR: No Recovery			
4		FILL: Dark Brown (10YR 3/3) coarse to fine SAND, some medium to fine Gravel, trace Clay and coal, loose, moist. No odor.	0.2	133-B14C (4.5-5.3)	MS/MSD, Cr+6, TAL Metals
		FILL: Pale Olive (5Y 6/3) fine to very fine SAND and SILT, some Clay, trace medium to fine Gravel, cohesive, soft, moist. No odor. (100% Waste Mud)			
		FILL: Black (5Y 2.5/1) coarse to fine SAND, some medium to fine Gravel, organics, brick, coal, loose, moist. No odor.			
6		FILL: Olive Gray (5Y 4/2) Clayey SILT, some fine to very fine Sand, trace fine Gravel, trace Green staining, cohesive, soft, moist. No odor. (50% Waste Mud)	1.4	133-B14G (7.4-8.5)	Cr+6, TAL Metals
		FILL: Very Dark Gray (10YR 3/1) coarse to fine SAND and medium to fine GRAVEL, little coal, trace Organics, loose, moist. No odor.			
8			1.0	133-B14D (5.3-6.0)	Cr+6, TAL Metals
			1.4	133-B14E (6.0-6.5)	Cr+6, TAL Metals
			1.4	133-B14F (6.5-7.4)	Cr+6, TAL Metals
			1.4	133-B14G (7.4-8.5)	Cr+6, TAL Metals
			1.4	133-B14H (8.5-9.5)	Cr+6, TAL Metals

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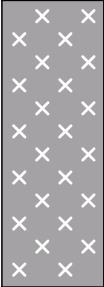


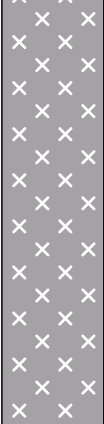

		Client: PPG Industries		BORING ID: 133-B14		
		Site: Site 133				
Start Date: 4/18/2007		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-611187.7 Y-682628.8		Depth of Boring: 16.50		
End Date: 4/18/2007		Elevation: 14.57		Geologist: B. Ergezen		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

10		FILL: Dark Olive Gray (5YR 3/2) Silty CLAY, little very fine Sand, trace fine Gravel, cohesive, soft, moist. No odor. (100% Waste Mud)	3.6		
				133-B14H (8.7-9.7)	Cr+6, TAL Metals
12		FILL: Black (5Y 2.5/1) coarse to fine SAND and medium to fine GRAVEL, little Clay, loose, wet. No odor.	2.1		
			3.4	133-B14I (10.6-11.5)	Cr+6, TAL Metals
14		NR: No Recovery	6.5		
			1.1		
16		FILL: Black (5Y 2.5/1) coarse to fine SAND and medium to fine GRAVEL, little Clay, trace Green staining, loose, wet. No odor. (50% Mud Waste)	2.7		
			7.4	133-B14J (13.9-14.9)	Cr+6, TAL Metals
		PEAT: Very Dark Brown (10YR 2/2) Organic CLAY, some Peat, trace fine Gravel, cohesive, medium, moist. Strong sulfur odor.		133-B14K (14.9-15.8)	Cr+6, TAL Metals
		NR: No Recovery			
NULL: End of boring at 16.5 ft.					

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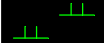
		Client: PPG Industries		BORING ID: 133-B15		
		Site: Site 133				
Start Date: 4/18/2007		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611289.6 Y-682670.3		Depth of Boring: 16.50		
End Date: 4/18/2007		Elevation: 14.70		Geologist: B. Ergezen		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

0		CONCRETE: Concrete slab, no staining.			
		FILL: Very Dark Gray (2.5YR 3/1) coarse to fine SAND, some coarse to fine angular Gravel, coal, wood, brick, loose, moist. No odor.	0.0		
2		NR: No Recovery	0.0	133-B15A (1.5-2.5)	Cr+6, TAL Metals
		FILL: Very Dark Gray (2.5YR 3/1) coarse to fine SAND, some coarse to fine angular Gravel, coal, wood, brick, loose, moist. No odor.	1.3		
4		FILL: Olive Gray (5Y 4/2) medium to fine SAND, some Clay, little Silt, cohesive, soft, moist. No odor. (100% Waste Mud)	1.2		
		FILL: Very Dark Grayish Brown (2.5Y 3/2) fine to very fine SAND, some Clay, little Silt, cohesive, soft, moist.	6.6	133-B15B (5.5-6.5)	Cr+6, TAL Metals
6			3.9		
			3.9	133-B15C (7.5-8.5)	Cr+6, TAL Metals
8			3.8		

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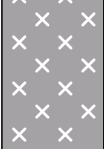

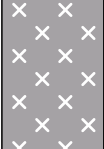
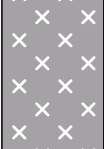

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		Site: Site 133			
Start Date: 4/18/2007		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-611289.6 Y-682670.3		Depth of Boring: 16.50	
End Date: 4/18/2007		Elevation: 14.70		Geologist: B. Ergezen	
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

10		No odor. (40% Waste Mud)	5.1		
			4.8		
12		FILL: Lime Green very fine to fine SAND, some Clay, little Silt, cohesive, soft, moist. No odor. (100% Waste Mud)	8.9	133-B15D (11.3-12.0)	Cr+6, TAL Metals
14		FILL: Pale Olive (5Y 6/4) fine to very fine SAND, some Clay, little Silt, trace fine Gravel, cohesive, soft, moist. Slight odor. (100% Waste Mud)	25.7		
			27.2	133-B15E (13.5-14.5)	Cr+6, TAL Metals
			22.9		
16		FILL: Dark Brown (10YR 3/3) coarse to fine SAND, some Clay and medium to fine Gravel, coal, cohesive, medium, moist. Some odor.		133-B15F (14.8-15.5)	Cr+6, TAL Metals
			17.8	133-B15G(15.5-15.8)	Cr+6, TAL Metals
				133-B15H (15.8-16.2)	Cr+6, TAL Metals
		FILL: Dark Gray (10YR 4/1) very fine SAND and CLAY, little fine Gravel, cohesive, medium, moist. Some odor.			
		PEAT: Black (10YR 2/1) PEAT, some Clay, organics, cohesive, soft, moist. No odor.			
		NR: No Recovery			
		NULL: End of boring at 16.5 ft.			

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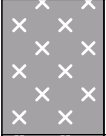
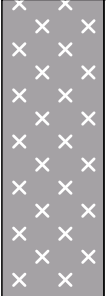
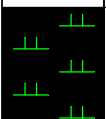
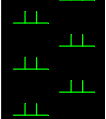
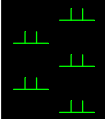
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		Site: Site 133			
Start Date: 1/24/2007		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-610876.7 Y-682229.3		Depth of Boring: 28.00	
End Date: 1/24/2007		Elevation: 11.53		Geologist: P. Kelly	
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		FILL: Brown (10YR 4/3) SILT/CLAY, some organics and little brick fragments, no odor		133-B16A (0.0-0.5)	Cr+6, TAL Metals
2		FILL: Black (5Y 2.5/1) coarse SAND, some fine Gravel, fine gravel sized COPR (30%), little Clay, strong MGP odor	201 ppm		
			576 ppm	133-B16B(2.5-2.9) 133-B16BD(2.5-2.9)	Cr+6, TAL Metals Cr+6, TAL Metals
4			265 ppm		
			301 ppm		
6			192 ppm	133-B16C (5.6-6.0)	Cr+6, TAL Metals
8		NR: No Recovery			
		FILL: Black (5Y 2.5/1) coarse SAND, some fine Gravel, fine gravel sized COPR (30%), little Clay, strong MGP odor	107 ppm		

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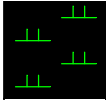
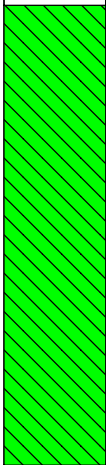
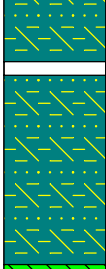
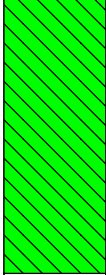

		Client: PPG Industries		BORING ID: 133-B16		
		Site: Site 133				
Start Date: 1/24/2007		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610876.7 Y-682229.3		Depth of Boring: 28.00		
End Date: 1/24/2007		Elevation: 11.53		Geologist: P. Kelly		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

10					
		FILL: Brown (10YR 4/3) dense fine SAND, some Clay and Silt, little fine Gravel, no odor	921 ppm		
				133-B16D (11.5-12.0)	Cr+6, TAL Metals
12		FILL: Dark Gray (7.5YR 3/1) ASH, some fine Gravel, little brick and ceramic fragments, trace glass fragments, no odor			
			0.0 ppm		
				133-B16E (13.2-13.7)	Cr+6, TAL Metals
14					
		PEAT: Meadow Mat, Dark Brown (7.5YR 3/3) CLAY/Organics, no odor			
			12.5 ppm		
					
		NR: No Recovery			
16					
		PEAT: Meadow Mat, Dark Brown (7.5YR 3/3) CLAY/Organics, no odor	484 ppm		
			629 ppm	133-B16G (17.0-17.3)	Cr+6, TAL Metals
18			191 ppm		
				133-B16H	Cr+6, TAL Metals

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		Client: PPG Industries		BORING ID: 133-B16		
		Site: Site 133				
Start Date: 1/24/2007		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-610876.7 Y-682229.3		Depth of Boring: 28.00		
End Date: 1/24/2007		Elevation: 11.53		Geologist: P. Kelly		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

20		NR: No Recovery	439 ppm	(18.9-19.2)	
22		CLAY: Dark Gray (5Y 4/1) CLAY, little roots, medium stiff, no odor	282 ppm		
				133-B16I (21.5-22.0)	Cr+6, TAL Metals
			214 ppm		
24		CLAY AND SAND: Dark Gray (5Y 4/1) fine SAND and CLAY, trace organics, no odor	229 ppm		
26		CLAY AND SAND: Dark Gray (5Y 4/1) fine SAND and CLAY, trace organics, no odor			
28		CLAY: Dark Reddish Brown (5YR 3/4) to Gray (5YR 5/1) CLAY, some Silt, little fine Sand, trace organics, no odor			
		NR: No Recovery			
		NULL: End of Boring			

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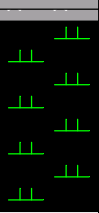
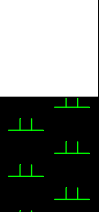
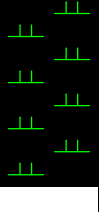
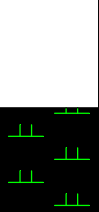

		Client: PPG Industries		BORING ID: 133-B17	
		Site: Site 133			
Start Date: 12/14/2006		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611129.2 Y-682461.7		Depth of Boring: 32.00	
End Date: 1/3/2007		Elevation: 11.47		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		TOPSOIL: Black Topsoil, dry.			
		FILL: WOOD Planks and Roots, dry			
		FILL: Gray ASH and coarse SAND, little fine Gravel, Glass fragments, Rootlets, dry.	0.0 ppm	133-B17A (1.1-1.6)	Cr+6, TAL Metals
2					
		FILL: Black-stained ASH, some Rootlets, Glass, Debris, dry.	20.4 ppm	133-B17B (3.3-3.8)	Cr+6, TAL Metals
4		FILL: Black-stained ASH, some Rootlets, Glass, Debris, wet.	0.0 ppm	133-B17C (4.0-4.5)	Cr+6, TAL Metals
		FILL: Black-stained ASH and medium GRAVEL, little Silt, Fill Material (glass, ceramics, tile, coal), loose, wet. Impacted with viscous MGP Tar. Strong MGP odor.	0.0 ppm		
6		NR: No Recovery			
8		FILL: Gray (Gley N6/0) ASH and medium GRAVEL, little Silt, Fill Material (glass, ceramics, tile, coal), loose, wet. No odor.	0.0 ppm	133-B17D (8.0-8.5)	Cr+6, TAL Metals
		NR: No Recovery	0.0 ppm		
10					

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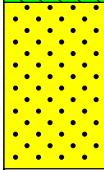
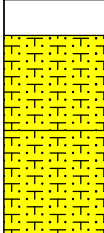
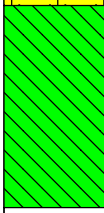
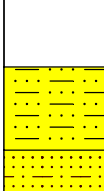
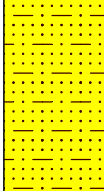

		Client: PPG Industries	BORING ID: 133-B17		
		Site: Site 133			
Start Date: 12/14/2006	Project: Site Investigation		Page: 2 of 3		
	Coordinates: X-611129.2 Y-682461.7		Depth of Boring: 32.00		
End Date: 1/3/2007	Elevation: 11.47		Geologist: P. Kelly, M. Merdinger		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

12		FILL: Gray (Gley N6/0) ASH and medium GRAVEL, little Silt, Fill Material (glass, ceramics, tile, coal), loose, wet. No odor.	0.0 ppm	133-B17E (12.2-13.2)	Cr+6, TAL Metals
			0.0 ppm	133-B17ED (12.2-13.2)	Cr+6, TAL Metals
14		FILL: Black organic CLAY, trace organics, medium stiff, moist. Slight naphthalene odor.	3.8 ppm	133-B17F (13.4-13.9)	Cr+6, TAL Metals
16		FILL: Dark Gray (10YR 4/1) silty CLAY, soft, moist. No odor.	0.5 ppm		
18		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.	1.7 ppm		
			0.9 ppm		
			17.4 ppm	133-B17G (17.5-18.5)	MS/MSD, Cr+6, TAL Metals
20		NR: No Recovery	1.0 ppm		
			2.4 ppm		
			1.9 ppm		
				133-B17H	Cr+6, TAL Metals

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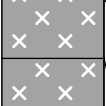
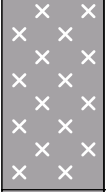
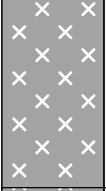

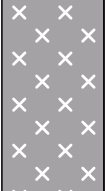
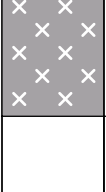

		Client: PPG Industries		BORING ID: 133-B17	
		Site: Site 133			
Start Date: 12/14/2006		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611129.2 Y-682461.7		Depth of Boring: 32.00	
End Date: 1/3/2007		Elevation: 11.47		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

22		CLAY: Dark Gray (10YR 4/1) fine to coarse sandy CLAY, trace Silt, soft, moist. No odor.	0.4 ppm	(21.5-22.0)	
		SAND: Dark Gray (10YR 4/1) fine to coarse SAND, little Silt, trace Clay, loose, wet. No odor.	29.7 ppm		
24		NR: No Recovery	0.0 ppm		
		SILTY SAND: Dark Gray (10YR 4/1) fine to coarse silty SAND, little Clay, loose, wet. No odor.	0.0 ppm		
		SILTY SAND: Dark Gray (10YR 4/1) very fine silty SAND, trace Clay, wet. No odor.	0.0 ppm		
26		CLAY: Dark Grayish Brown (10YR 4/2) medium to coarse sandy CLAY, trace Silt, soft, moist. No odor.	0.0 ppm		
		NR: No Recovery	0.0 ppm		
28		SANDY SILT: Dark Reddish Gray (5YR 4/2) fine to medium sandy SILT, trace Clay, medium stiff, moist. No odor.	0.0 ppm		
		SAND AND SILT: Dark Reddish Gray (5YR 4/2) SAND and SILT, some Clay, loose, moist to wet. No odor.	0.0 ppm		
30		NR: No Recovery	0.0 ppm		
		NR: No Recovery	0.0 ppm		
32		NULL: End of Boring at 32 ft.			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

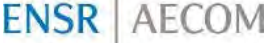
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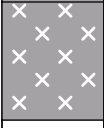
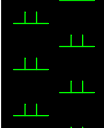
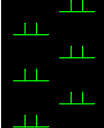
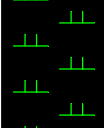
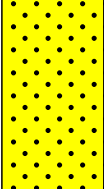
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		Site: Site 133			
Start Date: 12/14/2006		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611256.0 Y-682581.1		Depth of Boring: 32.00	
End Date: 1/4/2007		Elevation: 11.50		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		TOPSOIL: Black Topsoil, dry.	0.0 ppm	133-B18A (0.4-0.9)	Cr+6, TAL Metals
		FILL: Dark Brown medium SAND and SILT, some fine Gravel, little Rootlets, dry.	0.0 ppm		
		FILL: Gray and little Red-orange ASH, some fine Gravel, little woody Organics, dry.		133-B18B(1.5-2.0) 133-B18BD(1.5-2.0)	Cr+6, TAL Metals Cr+6, TAL Metals
2		FILL: Black-gray ASH, some fine to coarse Gravel, trace woody Organics, Sand and Glass, dry.	1.2 ppm		
		FILL: Gray to Black-stained fine GRAVEL, some coarse Gravel and coarse Sand, trace Glass and Ceramic pieces, wet. Slight petroleum odor.	0.0 ppm	133-B18C (3.4-3.9)	Cr+6, TAL Metals
4		FILL: Dark Gray (2.5Y 4/1) ASH, little Silt and Sand, crushed Fill Material (ceramics, glass, rocks, coal, wood), loose, wet. No odor.	0.0 ppm	133-B18D (4.5-5.0)	Cr+6, TAL Metals
6					
8		NR: No Recovery	0.0 ppm		
			0.0 ppm	133-B18E (8.5-9.0)	Cr+6, TAL Metals
10			0.0 ppm		
		FILL: Black-stained ASH, little Silt and Sand, crushed			

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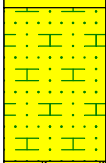
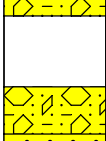
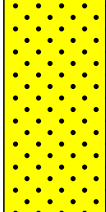
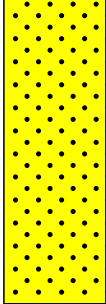
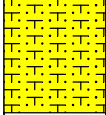
		Client: PPG Industries	BORING ID: 133-B18		
		Site: Site 133			
Start Date: 12/14/2006	Project: Site Investigation		Page: 2 of 3		
	Coordinates: X-611256.0 Y-682581.1		Depth of Boring: 32.00		
End Date: 1/4/2007	Elevation: 11.50		Geologist: P. Kelly, M. Merdinger		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

12		Fill Material (ceramics, glass, rocks, coal, wood, rubber, oyster shells, metal), loose, wet. Impacted with Coal Tar. Naphthalene odor.	0.0 ppm	133-B18F (12.0-13.0)	Cr+6, TAL Metals
		FILL: Pale Brown (10YR 6/3) and Light Gray (10YR 7/1) mottled SILT, little Clay, some Gray-Mint Greenish staining, soft, moist. No odor.			
14		NR: No Recovery	0.0 ppm		
16		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.	5.7 ppm	133-B18G (16.0-17.0)	Cr+6, TAL Metals
			6.9 ppm	133-B18GD (16.0-17.0)	Cr+6, TAL Metals
18			13.0 ppm		
			13.5 ppm		
20			18.2 ppm	133-B18H (20.2-20.7)	Cr+6, TAL Metals
			6.7 ppm		
		SAND: Dark Gray (5Y 4/1) very fine to fine SAND, trace Silt, loose, wet. Slight sulfur odor.			

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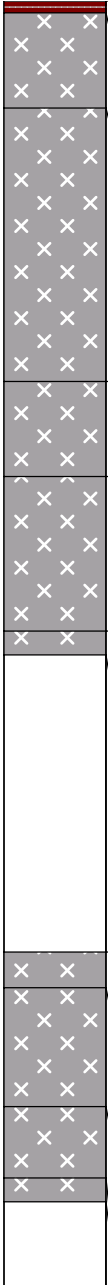
		Client: PPG Industries	BORING ID: 133-B18		
		Site: Site 133			
Start Date: 12/14/2006	Project: Site Investigation		Page: 3 of 3		
	Coordinates: X-611256.0 Y-682581.1		Depth of Boring: 32.00		
End Date: 1/4/2007	Elevation: 11.50		Geologist: P. Kelly, M. Merdinger		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

22		SILT AND CLAY: Greenish (5GY 5/1) SILT and CLAY, little medium rounded Gravel, some mottling of Grayish Green (5G 5/2) very fine Sand, medium stiff, moist. No odor.	4.2 ppm		
			0.0 ppm		
24		SILT AND GRAVEL: Brown (7.5YR 4/2) SILT and coarse medium GRAVEL, mottled with Light Olive Brown (2.5Y 5/4) and Dark Red (2.5YR 3/6), medium dense, moist. No odor.	0.0 ppm		
		NR: No Recovery	0.0 ppm		
26		SILT AND GRAVEL: Brown (7.5YR 4/2) SILT and coarse medium GRAVEL, mottled with Light Olive Brown (2.5Y 5/4) and Dark Red (2.5YR 3/6), medium dense, moist. No odor.	0.0 ppm		
		SAND: Reddish Brown (2.5YR 4/3) fine to coarse SAND, trace Silt, loose, wet. No odor.	0.0 ppm		
		NR: No Recovery	0.0 ppm		
28		SAND: Reddish Brown (2.5YR 4/4) fine to medium graded SAND, trace Silt, loose, wet. No odor.	0.0 ppm		
			0.0 ppm		
30		SILTY SAND: Red (2.5YR 4/6) very fine silty SAND, trace interbedded fine to medium Sand, medium dense, wet. No odor.	0.0 ppm		
			0.0 ppm		
32		NR: No Recovery			
		NULL: End of Boring at 32 ft.			

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		Client: PPG Industries	BORING ID: 133-B19		
		Site: Site 133			
Start Date: 12/7/2006	Project: Site Investigation		Page: 1 of 3		
	Coordinates: X-610791.5 Y-682367.7		Depth of Boring: 32.00		
End Date: 12/15/2006	Elevation: 13.01		Geologist: P. Kelly, M. Merdinger		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: Street level ASPHALT	30.0 ppm		
		FILL: Gray medium GRAVEL Rock (Sub-surface Macadam), dry.		133-B19A (0.9-1.4)	Cr+6, TAL Metals
		FILL: Red-brown fine gravel-sized COPR (50%), some fine Sand, dry.			
2			26.1 ppm	133-B19B (3.2-3.7)	Cr+6, TAL Metals
		FILL: Gray-green SILT cohesive lenses, little Slag and fine Gravel, moist.			
4		FILL: Dark Reddish Gray (5YR 4/1) SILT and GRAVEL, Fill Material (brick, concrete, coal, ceramics), little medium to coarse Sand, Bright Green staining, 1% COPR, wet. No odor. (WASTE MUD)	0.0 ppm	133-B19D (4.5-5.0)	Cr+6, TAL Metals
		FILL: Reddish Brown (5YR 4/3) SILT, trace Clay and coarse Sand, wet. No odor.	0.0 ppm		
6		NR: No Recovery			
8		FILL: Black SILT and medium GRAVEL, Fill Material (wood, coal), wet. No odor.	0.1 ppm	133-B19E (8.5-9.5)	MS/MSD, Cr+6, TAL Metals
		FILL: Red (2.5YR 4/6) SILT, little very fine to fine Sand, trace angular Gravel, Fill Material (ceramics, metal machine parts), wet. No odor.	0.2 ppm		
10		FILL: Pale Red (2.5YR 6/2) SILT, some medium to coarse Sand, yellow staining, loose, wet. No odor. (WASTE MUD)			

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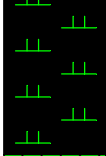



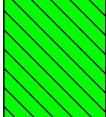

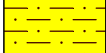


		Client: PPG Industries	BORING ID: 133-B19		
		Site: Site 133			
Start Date: 12/7/2006	Project: Site Investigation		Page: 2 of 3		
	Coordinates: X-610791.5 Y-682367.7		Depth of Boring: 32.00		
End Date: 12/15/2006	Elevation: 13.01		Geologist: P. Kelly, M. Merdinger		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

12		FILL: Red (2.5YR 4/6) SILT, little very fine to fine Sand, trace small angular Gravel, Wood, wet. No odor.	0.2 ppm		
		NR: No Recovery			
14		FILL: Black, Red-brown, White, Yellow, and Brown crushed COAL and CERAMICS, trace Silt, loose, wet. No odor.		133-B19F (13.1-13.6)	Cr+6, TAL Metals
		FILL: Weak Red (2.5YR 4/2) silty CLAY, trace Wood Material, medium stiff, wet. No odor.			
		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.			
		NR: No Recovery			
16		PEAT: Very Dark Gray (5Y 3/1) organic CLAY, little Organics/Peat, medium stiff, moist. Sulfur odor.	0.3 ppm		
			0.3 ppm	133-B19G (17.0-17.5)	Cr+6, TAL Metals
			2.6 ppm		
18		NR: No Recovery			
20		PEAT: Very Dark Gray (5Y 3/1) organic CLAY, little Organics/Peat, medium stiff, moist. Sulfur odor.	25.0 ppm		
			47.0 ppm	133-B19H (21.0-21.5)	Cr+6, TAL Metals

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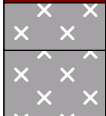
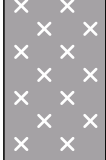

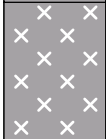

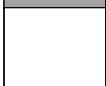
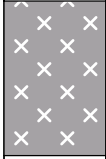
		Client: PPG Industries		BORING ID: 133-B19	
		Site: Site 133			
Start Date: 12/7/2006		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-610791.5 Y-682367.7		Depth of Boring: 32.00	
End Date: 12/15/2006		Elevation: 13.01		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

22			21.0 ppm		
		CLAY: Dark Greenish Gray (Gley 5GY 4/1) silty CLAY, trace very fine Sand, Micaceous, medium stiff, wet. Sulfur odor.	12.0 ppm	133-B19I (23.0-23.5)	Cr+6, TAL Metals
24		NR: No Recovery	20.3 ppm		
		CLAY: Dark Greenish Gray (Gley 5GY 4/1) silty CLAY, trace very fine Sand, Micaceous, loose, wet. Sulfur odor.	16.1 ppm		
26		SILT: Dark Grayish Brown (10YR 4/2) SILT, little to trace Clay, trace Organics, dense, moist. Sulfur odor.	5.7 ppm		
		NR: No Recovery	1.3 ppm		
28		SILTY SAND: Gray (10YR 5/1) very fine silty SAND, medium dense, moist. No odor.	0.2 ppm		
		SAND: Weak Red (10R 4/4) fine SAND, trace medium Gravel and Silt, loose, wet. No odor.	0.0 ppm		
30		NR: No Recovery			
32		NULL: End of Boring at 32 ft.			

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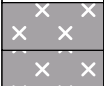


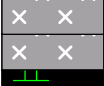
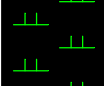
		Client: PPG Industries		BORING ID: 133-B2	
		Site: Site 133			
Start Date: 12/6/2006		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611036.5 Y-682515.9		Depth of Boring: 32.00	
End Date: 12/11/2006		Elevation: 13.49		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: Street level ASPHALT	0.0 ppm		
		FILL: Coarse GRAVEL Rock (Macadam sub-surface), dry.		133-B2A (0.6-1.1)	Cr+6, TAL Metals
		FILL: Dark Brown coarse SAND, some Silt and fine to coarse Gravel, little fine Cobbles, dry.			
2		FILL: Blocky coarse to medium cobble-sized SLAG	0.0 ppm		
		FILL: Dark Brown medium SAND and SILT, some COPR, little fine Gravel, dry.		133-B2B (3.3-3.8)	Cr+6, TAL Metals
4		FILL: Dark Brown medium GRAVEL, some woody Black Organics, little White-gray fragmented Chert, very loose, wet.		133-B2C (4.5-5.0)	Cr+6, TAL Metals
		FILL: Very Dark Gray (5YR 3/1) SILT, little fine Sand, little angular small Gravel, wet. No odor.			
6		NR: No Recovery	0.9 ppm		
		FILL: Very Dark Gray (5YR 3/1) GRAVEL, some Silt, little fine Sand and woody Organics, Ceramics, wet. Sewage odor.		133-B2D (8.0-8.5)	Cr+6, TAL Metals
8		NR: No Recovery			
10					

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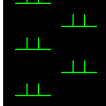
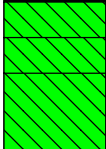
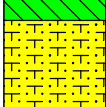
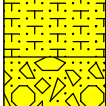
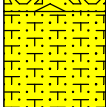
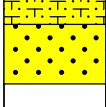
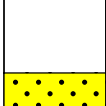
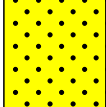
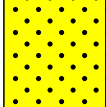
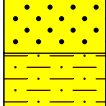
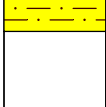
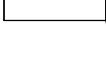
		Client: PPG Industries	BORING ID: 133-B2		
		Site: Site 133			
Start Date: 12/6/2006		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611036.5 Y-682515.9		Depth of Boring: 32.00	
End Date: 12/11/2006		Elevation: 13.49		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

12		FILL: Black (5YR 2.5/1) SILT, some Organics and Wood, trace Gravel and fine Sand, wet. No odor.	0.0 ppm	133-B2E (12.0-13.0)	Cr+6, TAL Metals
		FILL: Dark Gray (5YR 5/1) fine SAND, some Fill Material (wood peices, ceramics, shell material), wet. No odor.		133-B2ED (12.0-13.0)	Cr+6, TAL Metals
14		FILL: Brown (7.5YR 4/2) silty CLAY, trace Organics, wet. Mothball odor.	0.0 ppm		
		FILL: No Recovery			
16		FILL: Reddish Brown (5YR 4/3) silty CLAY, some medium to fine Sand, wet. No odor.	0.0 ppm	133-B2F (16.3-17.3)	MS/MSD, Cr+6, TAL Metals
		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.			
18		NR: No Recovery	495.0 ppm		
20		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.	2.3 ppm	133-B2G (20.0-20.5)	Cr+6, TAL Metals
		PEAT: Dark Gray (Gley N4/0) organic CLAY, moist,			

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		Client: PPG Industries		BORING ID: 133-B2	
		Site: Site 133			
Start Date: 12/6/2006		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611036.5 Y-682515.9		Depth of Boring: 32.00	
End Date: 12/11/2006		Elevation: 13.49		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

22		medium stiff. Sulfur odor.	0.1 ppm	133-B2H (22.0-22.5)	Cr+6, TAL Metals
		CLAY: Dark Gray (Gley N4/0) silty CLAY, little fine Sand, moist, soft. No odor.			
		CLAY: Black CLAY, moist, medium stiff. No odor.		133-B2I (23.2-23.7)	Cr+6, TAL Metals
24		CLAY: Reddish Gray (10R 5/1) silty CLAY, moist, medium stiff. No odor.			
		SILTY SAND: Dark Reddish Gray (10R 4/1) very fine to fine silty SAND, wet, loose. No odor.	0.0 ppm		
		GRAVEL: Brown (7.5YR 5/2) GRAVEL, some Silt and Clay, wet. No odor.			
26		SILTY SAND: Dark Reddish Brown (10R 4/1) very fine to fine silty SAND, wet, loose. No odor.			
		SAND: Weak Red (10R 4/4) coarse SAND and medium rounded GRAVEL, little Silt, moist. No odor.			
28		NR: No Recovery			
		SAND: Weak Red (10R 4/4) coarse SAND and medium rounded GRAVEL, graded, little Silt, moist. No odor.			
30		SILT: Red (2.5YR 4/6) SILT, moist, medium dense. No odor.			
		NR: No Recovery			
32		NULL: End of Boring at 32 ft.			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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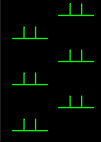

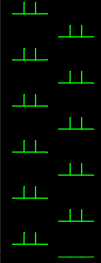

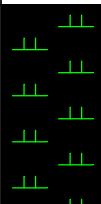
		Client: PPG Industries		BORING ID: 133-B20	
		Site: Site 133			
Start Date: 12/11/2006		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-610835.8 Y-682412.2		Depth of Boring: 32.00	
End Date: 12/18/2006		Elevation: 12.98		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: Street level ASPHALT			
		FILL: Black coarse GRAVEL, some Silt and fine Sand, dry.	138.0 ppm	133-B20A (0.7-1.2)	Cr+6, TAL Metals
		FILL: Black cohesive ORGANICS, some fine Gravel, dry. Strong odor.	300.0 ppm	133-B20B (1.5-2.4)	Cr+6, TAL Metals
2		FILL: Black fine gravel-sized COPR (75%), little Orange Clay. Petroleum odor.	325.0 ppm		
		FILL: Red-brown fine SAND, some fine to coarse Gravel, little fine gravel-sized COPR (12%).		133-B20C (2.9-3.4)	Cr+6, TAL Metals
		FILL: Black fine SAND, some Clay, little fine to coarse Gravel and medium gravel-sized Slag.	13.5 ppm	133-B20D (3.5-4.0)	MS/MSD, Cr+6, TAL Metals
4		FILL: Black fine SAND, little Clay and Silt, little coarse medium Gravel, 20% COPR, wet. Slight naphthalene odor.			
		NR: No Recovery			
6					
8		FILL: Black SILT, little Clay, trace fine Sand, loose, wet. Impacted with Coal Tar. Naphthalene odor.	9.1 ppm	133-B20E (8.0-9.0)	Cr+6, TAL Metals
				133-B20ED (8.0-9.0)	Cr+6, TAL Metals
		FILL: Black medium to coarse SAND, some small coarse Gravel, little Silt and Clay, sheen, wet. Impacted with Coal Tar. Naphthalene odor.	13.4 ppm		
10			18.7 ppm	133-B20F (10.0-10.5)	Cr+6, TAL Metals
		NR: No Recovery			

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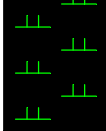
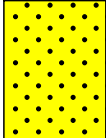
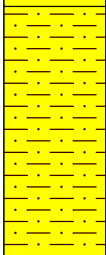

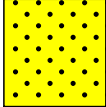

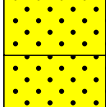
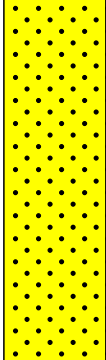
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		Site: Site 133			
Start Date: 12/11/2006		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-610835.8 Y-682412.2		Depth of Boring: 32.00	
End Date: 12/18/2006		Elevation: 12.98		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

12		FILL: Dark Grayish Brown (10YR 4/2) SILT and CLAY, medium dense, moist. Naphthalene odor.	0.4 ppm	133-B20G (11.1-11.6)	Cr+6, TAL Metals
14		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.	0.1 ppm	133-B20H (13.0-14.0)	MS/MSD, Cr+6, TAL Metals
			0.3 ppm		
16		NR: No Recovery	0.2 ppm		
18		PEAT: Very Dark Gray (10YR 4/1) organic CLAY, little Organics/Peat, medium stiff, moist. Sulfur odor.	0.2 ppm	133-B20I (17.0-17.5)	Cr+6, TAL Metals
			1.8 ppm		
20		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.	1.9 ppm	133-B20J (18.8-19.3)	Cr+6, TAL Metals
		NR: No Recovery	0.2 ppm		
		PEAT: Dark Gray (10YR 4/1) organic CLAY, little Organic/Peat material, medium stiff, moist. Sulfur odor.			

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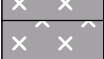





		Client: PPG Industries	BORING ID: 133-B20		
		Site: Site 133			
Start Date: 12/11/2006	Project: Site Investigation		Page: 3 of 3		
	Coordinates: X-610835.8 Y-682412.2		Depth of Boring: 32.00		
End Date: 12/18/2006	Elevation: 12.98		Geologist: P. Kelly, M. Merdinger		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

22			12.5 ppm		
		SAND: Dark Greenish Gray (5GY 4/1) very fine SAND, some Silt, loose, wet. Sulfur odor.	0.3 ppm		
24		SILT: Dark Greenish Gray (5GY 4/1) SILT, some Clay, loose to medium dense, wet to moist. No odor.	8.7 ppm		
			3.6 ppm		
26		SAND: Greenish Gray (5GY 5/1) very fine to medium SAND, some Silt, loose, wet. No odor.	7.4 ppm		
		SAND: Weak Red (10R 4/4) medium to coarse SAND, some Clay, trace Silt, wet. No odor.	0.0 ppm		
28		NR: No Recovery	0.0 ppm		
		SAND: Weak Red (10R 4/4) medium to coarse SAND, some Clay, trace Silt, wet. No odor.	0.0 ppm		
		SAND: Weak Red (10R 4/4) fine to coarse SAND, trace Silt, loose, wet. No odor.	0.0 ppm		
30			0.0 ppm		
			0.0 ppm		
32		NULL: End of Boring at 32 ft.			

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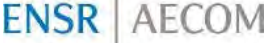
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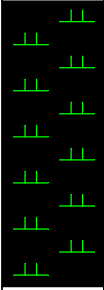

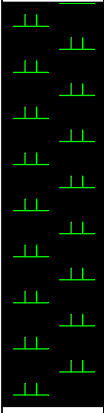

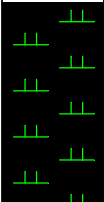
		Client: PPG Industries		BORING ID: 133-B21	
		Site: Site 133			
Start Date: 12/8/2006		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-610722.7 Y-682342.9		Depth of Boring: 32.00	
End Date: 12/15/2006		Elevation: 12.38		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		TOPSOIL: Black Topsoil, dry.			
		CONCRETE: Concrete Pad.			
		FILL: Dark Brown fine GRAVEL, some coarse Gravel and coarse Sand, dry. Strong petroleum odor.	553.0 ppm	133-B21A (1.0-1.5)	Cr+6, TAL Metals
2		CONCRETE: Concrete Pad.			
		FILL: Black fine SAND, some fine to coarse Gravel, dry. Strong petroleum odor.	846.0 ppm	133-B21B (2.1-2.6)	Cr+6, TAL Metals
					
4		FILL: Gray to Black-stained fine GRAVEL, some woody Organics, medium Sand and Silt, dry. Strong petroleum odor.	654.0 ppm		
			5.0 ppm		
		FILL: Reddish Gray (5YR 5/2) SILT and GRAVEL, Fill Material, Bright Green staining, 10% COPR, wet. No odor. (WASTE MUD)		133-B21C(4.5-5.0) 133-B21CD(4.5-5.0)	Cr+6, TAL Metals Cr+6, TAL Metals
			8.2 ppm		
6		NR: No Recovery	4.5 ppm		
8		FILL: Black SILT and WOOD, Fill Material, little medium to coarse Sand, wet. No odor.	0.1 ppm		
				133-B21D (8.5-9.0)	Cr+6, TAL Metals
		FILL: Dark Brown (7.5YR 3/2) SILT, some very fine Sand, Fill Material (wood, brick, slag, rock fragments), little medium semi-round Gravel, wet. No odor.	0.9 ppm		
					
10		FILL: Dark Brown (7.5YR 3/3) silty SAND, crushed Fill Material (brick, ceramics, shells), wet. No odor.			
		NR: No Recovery			

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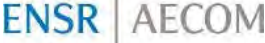
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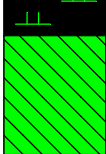
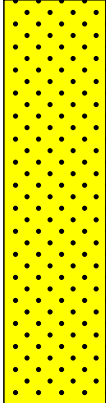
		Client: PPG Industries	BORING ID: 133-B21		
		Site: Site 133			
Start Date: 12/8/2006	Project: Site Investigation		Page: 2 of 3		
	Coordinates: X-610722.7 Y-682342.9		Depth of Boring: 32.00		
End Date: 12/15/2006	Elevation: 12.38		Geologist: P. Kelly, M. Merdinger		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

12		FILL: Crushed FILL Material (ceramics, ash, wood, paper stained Red-brown and Green, little silt), wet. No odor.	1.4 ppm		
				133-B21E (12.4-13.4)	Cr+6, TAL Metals
14		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.	0.9 ppm	133-B21ED (12.4-13.4)	Cr+6, TAL Metals
			0.6 ppm		
16		NR: No Recovery			
18		PEAT: Very Dark Gray (5Y 3/1) organic CLAY, little Organics/Peat, trace Silt, soft, wet. Sulfur odor.	0.1 ppm		
				133-B21F (16.5-17.0)	Cr+6, TAL Metals
			0.2 ppm		
			0.1 ppm		
20		NR: No Recovery	0.2 ppm		
			0.6 ppm		
		PEAT: Very Dark Gray (5Y 3/1) organic CLAY, little Organics/Peat, medium stiff, moist. Sulfur odor.		133-B21G (20.5-21.0)	Cr+6, TAL Metals
			12.3 ppm		

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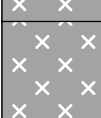




		Client: PPG Industries	BORING ID: 133-B21		
		Site: Site 133			
Start Date: 12/8/2006	Project: Site Investigation		Page: 3 of 3		
	Coordinates: X-610722.7 Y-682342.9		Depth of Boring: 32.00		
End Date: 12/15/2006	Elevation: 12.38		Geologist: P. Kelly, M. Merdinger		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

22		CLAY: Greenish Gray (Gley 5GY 5/1) silty CLAY, trace very fine Sand, medium stiff, wet. Sulfur odor.	47.5 ppm	133-B21H (22.0-22.5)	Cr+6, TAL Metals
		NR: No Recovery	10.3 ppm		
24		NR: No Sample taken - Broken acetate liner. Visually: Gray silty Sand and Red-brown coarse to medium Sand.	N/A		
26					
28		SAND: Weak Red (10R 4/4) fine to medium SAND, trace Silt and medium Gravel, wet. No odor.	0.3 ppm		
			0.4 ppm		
30			1.3 ppm		
			3.0 ppm		
		NR: No Recovery			
32		NULL: End of Boring at 32 ft.			

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		Client: PPG Industries		BORING ID: 133-B22	
		Site: Site 133			
Start Date: 12/8/2006		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-610706.6 Y-682414.3		Depth of Boring: 32.00	
End Date: 12/18/2006		Elevation: 12.90		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		FILL: Black SILT, some fine to coarse Gravel, dry.	0.0 ppm	133-B22A (0.0-0.5)	Cr+6, TAL Metals	
		FILL: Red-brown fine gravel-sized COPR (50%), some Silt, little Rootlets, wet.		2.8 ppm		
2			150.0 ppm	133-B22B (2.0-2.5)	Cr+6, TAL Metals	
		FILL: Gray to Black-stained SILT, some fine to medium Gravel, sheen, wet. Strong petroleum odor.				
4		FILL: Dark Grayish Brown (10YR 4/2) to Black-stained SILT and small jagged GRAVEL, some fine Sand, Fill Material (shells, ash, slag, wood), loose, wet. Impacted with Coal Tar. Oil odor.		23.4 ppm	133-B22C (4.0-4.5)	Cr+6, TAL Metals
		FILL: Brown (7.5YR 4/2) SILT, some Clay, little small jagged Gravel, trace fine Sand, 5% COPR, slight Yellow staining, loose, wet. Odor.		27.9 ppm		
6		FILL: Grayish Brown (2.5Y 5/2) SILT and jagged GRAVEL, Bright Green staining, 10% COPR, moist. No odor. (WASTE MUD)	6.2 ppm			
		NR: No Recovery				
8		FILL: Grayish Brown (2.5Y 5/2) SILT and jagged GRAVEL, Bright Green staining, 10% COPR, moist. No odor. (WASTE MUD)	0.7 ppm	133-B22D (8.0-8.5)	Cr+6, TAL Metals	
		A-3: Dark Gray (Gley N4/0) SILT and COAL, little fine to medium Sand, Fill Material (ceramics, coal, ash), loose, sheen, wet. Naphthalene odor.	0.5 ppm			
10		NR: No Recovery	0.5 ppm			

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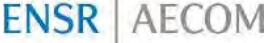
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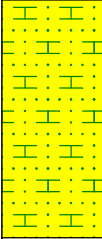


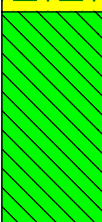
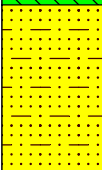

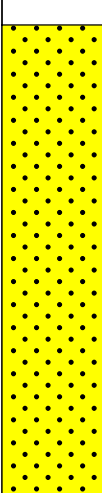
		Client: PPG Industries	BORING ID: 133-B22		
		Site: Site 133			
Start Date: 12/8/2006		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-610706.6 Y-682414.3		Depth of Boring: 32.00	
End Date: 12/18/2006		Elevation: 12.90		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

12		FILL: Very Dark Gray (5YR 3/1) SILT, some Clay, soft, moist. No odor.	7.6 ppm	133-B22E (12.0-12.5)	MS/MSD, Cr+6, TAL Metals
		FILL: Pinkish Gray (5YR 6/2) ASH and jagged GRAVEL, some Silt, trace Clay, Fill Material (ceramics, coal, brick), wet. No odor.	0.6 ppm	133-B22F (13.2-13.7)	Cr+6, TAL Metals
14		PEAT: Dark Grayish Brown (2.5Y 4/2) organic CLAY, little Organics/Peat, medium stiff, moist. No odor.	0.3 ppm		
		NR: No Recovery			
16		PEAT: Dark Grayish Brown (2.5Y 4/2) organic CLAY, little Organics/Peat, medium stiff, moist. Sulfur odor.	0.1 ppm		
		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.	5.6 ppm	133-B22G (17.0-17.5)	Cr+6, TAL Metals
18			13.8 ppm		
		NR: No Recovery	15.3 ppm		
20		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.	6.4 ppm		
			56.3 ppm		

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		Client: PPG Industries	BORING ID: 133-B22		
		Site: Site 133			
Start Date: 12/8/2006	Project: Site Investigation		Page: 3 of 3		
	Coordinates: X- 610706.6 Y- 682414.3		Depth of Boring: 32.00		
End Date: 12/18/2006	Elevation: 12.90		Geologist: P. Kelly, M. Merdinger		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

22		SILT AND CLAY: Gray (Gley N5/0) SILT and CLAY, fiem, moist. Slight sulfur odor.	15.3 ppm	133-B22H (21.7-22.3)	Cr+6, TAL Metals
			8.6 ppm		
24		NR: No Recovery	0.7 ppm		
		SILT AND CLAY: Gray (Gley N5/0) SILT and CLAY, fiem, moist. Slight sulfur odor.	1.3 ppm		
		CLAY: Dark Grayish Brown (10YR 4/2) CLAY, some to little Silt, trace Organics, medium stiff, moist. Slight sulfur odor.	6.6 ppm		
26		SAND AND SILT: Gray (Gley N5/0) very fine SILT and SAND, little to trace Clay, trace small angular Gravel, wet. No odor.	0.2 ppm		
		NR: No Recovery	0.1 ppm		
28		SAND: Dark Reddish Brown (2.5YR 3/4) fine SAND, little Silt, wet. No odor.	0.1 ppm		
			0.1 ppm		
30			0.1 ppm		
			0.1 ppm		
32	NULL: End of Boring at 32 ft.				

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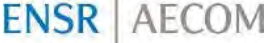
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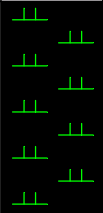
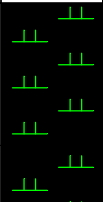
		Client: PPG Industries		BORING ID: 133-B23	
		Site: Site 133			
Start Date: 12/8/2006		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-610752.5 Y-682464.7		Depth of Boring: 32.00	
End Date: 12/14/2006		Elevation: 13.99		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: Street level ASPHALT	30.5 ppm		
		FILL: Gray coarse GRAVEL		133-B23A (0.5-1.0)	Cr+6, TAL Metals
2		FILL: Dark Brown-red fine gravel-sized COPR (50%), some Clay and Silt, little medium Gravel, wet.	28.4 ppm		
4		FILL: Gray-green SILT lenses, some coarse Gravel, little Glass shards, wet.	101.0 ppm	133-B23B (3.2-3.7)	Cr+6, TAL Metals
		FILL: Dark Reddish Gray (5YR 4/2) fine sandy SILT, some Clay, little coarse Sand, 20% COPR, loose, wet. Slight petroleum odor.			
6		FILL: Black TOPSOIL, organic-rich, slight Yellow-Green staining, loose, moist. Petroleum odor.	124.0 ppm		
				133-B23C (6.0-6.5)	Cr+6, TAL Metals
8		NR: No Recovery	0.5 ppm		
10		FILL: Black coarse SAND and coarse GRAVEL, Wood, sheen, wet. Impacted with Coal Tar. Naphthalene odor.	2.3 ppm		
		FILL: Very Dark Grayish Brown (10YR 3/2) very fine silty SAND, trace small Gravel, wet. Naphthalene odor.		133-B23D(9.5-10.0) 133-B23DD(9.5-10.0)	Cr+6, TAL Metals Cr+6, TAL Metals
			32.5 ppm		

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

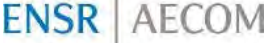
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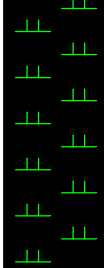
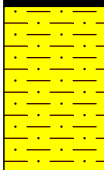
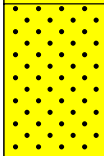
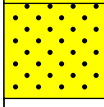

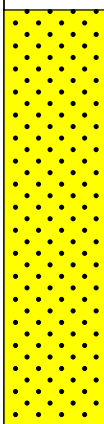

		Client: PPG Industries	BORING ID: 133-B23		
		Site: Site 133			
Start Date: 12/8/2006		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-610752.5 Y-682464.7		Depth of Boring: 32.00	
End Date: 12/14/2006		Elevation: 13.99		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

		NR: No Recovery			
12		FILL: Very Dark Grayish Brown (10YR 3/2) very fine silty SAND, trace small Gravel, trace Clay, loose, wet. Naphthalene odor.	0.8 ppm		
			0.1 ppm		
14		FILL: Black SILT and fine SAND, trace Shell Material, wet. No odor.	0.3 ppm	133-B23E (14.0-14.5)	Cr+6, TAL Metals
		FILL: Dark Reddish Brown (5YR 3/2) silty CLAY, medium stiff, wet. No odor.			
		NR: No Recovery			
16		FILL: Very Dark Gray (7.5YR 3/1) silty CLAY, some very fine Sand, trace coarse Sand, wet. No odor.	0.0 ppm		
			0.0 ppm		
18		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.	134.0 ppm	133-B23F (17.5-18.0)	Cr+6, TAL Metals
			13.3 ppm		
		NR: No Recovery			
20		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.	93.0 ppm		
			297.0 ppm	133-B23G (21.2-21.7)	Cr+6, TAL Metals
		PEAT: Very Dark Gray (Gley N3/0) organic CLAY,			

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		Client: PPG Industries	BORING ID: 133-B23		
		Site: Site 133			
Start Date: 12/8/2006	Project: Site Investigation		Page: 3 of 3		
	Coordinates: X-610752.5 Y-682464.7		Depth of Boring: 32.00		
End Date: 12/14/2006	Elevation: 13.99		Geologist: P. Kelly, M. Merdinger		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

22		some Organics/Peat, medium stiff, moist. Sulfur odor.	117.0 ppm		
			17.6 ppm		
24		SILT: Greenish Gray (Gley 5GY 5/1) SILT, trace fine Sand and fine rounded Gravel, medium dense, wet. No odor.	101.0 ppm	133-B23H (24.0-24.5)	Cr+6, TAL Metals
			33.4 ppm		
26		SAND: Greenish Gray (Gley 5GY 5/1) fine SAND, some Silt, loose, wet. No odor.	14.2 ppm		
		SAND: Weak Red (10R 4/4) very fine to coarse SAND, little Silt, trace fine rounded Gravel, loose, wet. No odor.	0.3 ppm		
28		NR: No Recovery	0.1 ppm		
		SAND: Weak Red (10R 4/4) fine to medium SAND, trace Silt, loose, wet to moist. No odor.	0.1 ppm		
30			0.0 ppm		
			0.1 ppm		
32		NR: No Recovery			
		NULL: End of Boring at 32 ft.			

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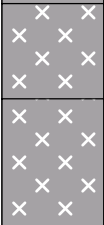

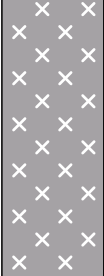
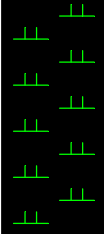
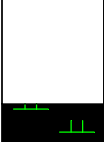
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		Site: Site 133			
Start Date: 12/14/2006		Project: Site Investigation		Page: 1 of 4	
		Coordinates: X- 611215.8 Y-682685.3		Depth of Boring: 32.00	
End Date: 12/18/2006		Elevation: 12.99		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: Street level ASPHALT			
		FILL: Gray coarse GRAVEL Rock (Macadam sub-surface), dry.	0.0 ppm	133-B24A (0.5-1.0)	MS/MSD, Cr+6, TAL Metals
		FILL: Brown coarse SAND, some fine to coarse Gravel, little fine gravel-sized Slag, and trace fine gravel-sized COPR (5%), dry.	0.0 ppm	133-B24B (1.4-1.9)	Cr+6, TAL Metals
2		FILL: Gray ASH, some woody Organics, little Coal and Ceramic pieces, dry.			
		FILL: Red-gray ASH, some fine Gravel, little Glass and Coal fragments, dry.	0.0 ppm	133-B24C (2.8-3.3)	Cr+6, TAL Metals
4		FILL: Dark Brown fine GRAVEL, some coarse Sand, little Brick fragments and medium Gravel, trace fine gravel-sized COPR (5%), dry.	0.0 ppm		
		FILL: Olive Gray (5Y 5/3) SILT, little Clay and jagged Gravel/Concrete pieces, chalky texture, 20% COPR, medium dense, moist. No odor. (WASTE MUD)	0.0 ppm	133-B24D (4.5-5.0)	Cr+6, TAL Metals
6		FILL: Black SILT and fine coarse GRAVEL, loose, wet. No odor.	0.1 ppm		
		FILL: Olive Gray (5Y 5/3) SILT, little Clay and jagged Gravel/Concrete pieces, Bright Green lenses, White and Red-orange lenses, chalky texture, 20% COPR, medium dense, moist. No odor. (WASTE MUD)			
		NR: No Recovery			
8			0.1 ppm	133-B24E	Cr+6, TAL Metals

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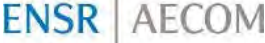
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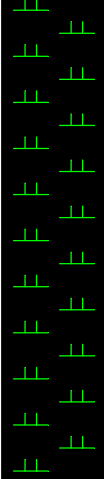
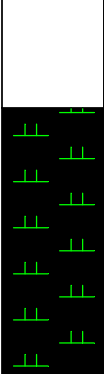
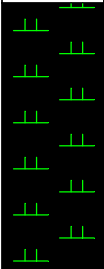
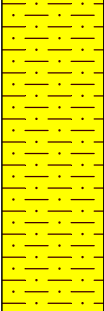
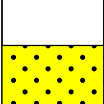
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		Site: Site 133			
Start Date: 12/14/2006		Project: Site Investigation		Page: 2 of 4	
		Coordinates: X-611215.8 Y-682685.3		Depth of Boring: 32.00	
End Date: 12/18/2006		Elevation: 12.99		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

10		FILL: Olive Gray (5Y 5/3) SILT, little Clay and jagged Gravel/Concrete pieces, Bright Green lenses, White and Red-orange lenses, chalky texture, 20% COPR, medium dense, moist. No odor. (WASTE MUD)	0.1 ppm	(8.0-8.5)	
		FILL: BRICK and SLAG			
12		FILL: Pinkish Gray (5YR 6/2) and Brown SILT, some Clay, little very fine to fine Sand, 5% COPR. (WASTE MUD)	0.2 ppm		
		FILL: Dark Brown (7.5YR 3/2) SILT and CLAY, little very fine Sand, 5% COPR, loose, wet. Impacted with Oil. Sewage and Naphthalene odors.			
14		NR: No Recovery			
		FILL: Brown (7.5YR 4/3) SILT, some Clay, trace fine rounded Gravel, Olive-Green staining, loose, wet. Impacted with Yellow oil. Naphthalene odor.	1.8 ppm	133-B24F (12.0-12.5)	Cr+6, TAL Metals
16			1.0 ppm		
		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.	0.6 ppm	133-B24G (13.8-14.3)	Cr+6, TAL Metals
			0.8 ppm		
		NR: No Recovery			
		PEAT: Very Dark Gray (5Y 3/1) organic CLAY, little	1.0 ppm		

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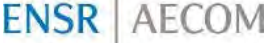
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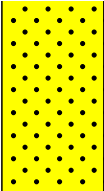
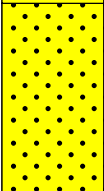
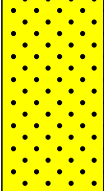
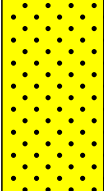
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		Site: Site 133			
Start Date: 12/14/2006		Project: Site Investigation	Page: 3 of 4		
		Coordinates: X-611215.8 Y-682685.3	Depth of Boring: 32.00		
End Date: 12/18/2006		Elevation: 12.99	Geologist: P. Kelly, M. Merdinger		
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated	Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

18		Organics/Peat, medium stiff, moist. Sulfur odor.	2.8 ppm		
				133-B24H (17.5-18.0)	Cr+6, TAL Metals
			8.4 ppm		
20		NR: No Recovery	10.4 ppm		
22		PEAT: Very Dark Gray (5Y 3/1) organic CLAY, some Organics/Peat, trace rounded small Gravel, medium stiff, moist. Sulfur odor.	0.1 ppm		
			4.3 ppm		
				133-B24I (21.7-22.2)	Cr+6, TAL Metals
24		SILT: Dark Greenish Gray (5GY 4/1) SILT, some very fine Sand, trace Clay, micaceous, moist. No odor.	2.3 ppm		
			1.9 ppm		
24		NR: No Recovery	0.0 ppm		
		SAND: Dark Reddish Gray (10R 4/1) very fine to			

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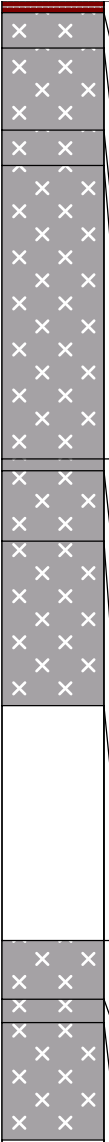
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		Site: Site 133			
Start Date: 12/14/2006	Project: Site Investigation		Page: 4 of 4		
	Coordinates: X-611215.8 Y-682685.3		Depth of Boring: 32.00		
End Date: 12/18/2006	Elevation: 12.99		Geologist: P. Kelly, M. Merdinger		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

26		medium SAND, trace Silt, loose, wet. No odor.	0.2 ppm		
		SILT: Dark Greenish Gray (5GY 4/1) SILT, trace Clay, medium dense, moist. No odor.	0.0 ppm		
		SAND: Weak Red (10R 4/4) fine to coarse SAND, trace Silt, loose, wet. No odor.	0.1 ppm		
			0.0 ppm		
			0.0 ppm		
28			0.0 ppm		
30			0.0 ppm		
32			0.0 ppm		
NULL: End of Boring at 32 ft.					

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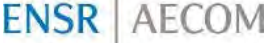
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
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		Site: Site 133			
Start Date: 12/7/2006		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-610970.1 Y-682465.9		Depth of Boring: 32.00	
End Date: 12/11/2006		Elevation: 13.33		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: Street level ASPHALT	12.3-2.5 ppm	133-B3A (0.4-0.9)	MS/MSD, Cr+6, TAL Metals
		FILL: Coarse GRAVEL Rock (Macadam sub-surface), dry.			
		FILL: Dark Brown coarse GRAVEL, some coarse Sand, little fine Gravel, wet.			
2		FILL: Cobble-sized, blocky SLAG.			
		FILL: Gray-black fine GRAVEL, some Light Brown woody Organics at 2.5 ft.		133-B3B (2.7-3.2)	Cr+6, TAL Metals
4		FILL: Dark Gray fine GRAVEL, some Ash and Fill Material (medium-sized conglomerate, glass, organics).	1.3-30.8 ppm	133-B3C (4.0-4.5)	Cr+6, TAL Metals
		FILL: Very Dark Grayish Brown (10YR 3/2) silty CLAY, trace medium Sand, black staining, sheen on water, wet. Naphthalene/MPG odor.			
6		FILL: Gray (7.5YR 5/1) angular medium GRAVEL, some Ash and Fill Material (Silt, Clinker, Ceramics), sheen on water, wet. MGP odor.	3.0-0.1 ppm		
		NR: No Recovery			
8		FILL: Black angular GRAVEL, some Wood Material, little Silt and Clay, Plastic, wet. No odor.		133-B3D (8.0-8.5)	Cr+6, TAL Metals
		FILL: Very Dusky Red (2.5YR 2.5/2) silty CLAY, little medium Sand, wet. No odor.			
10		FILL: Gray (7.5YR 5/1) angular medium GRAVEL, some Ash and Fill Material (Silt, Clinker, Glass, Ceramics), wet. No odor.			
		NR: No Recovery			

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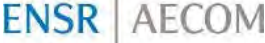
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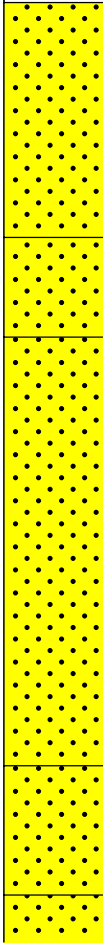
		Client: PPG Industries	BORING ID: 133-B3		
		Site: Site 133			
Start Date: 12/7/2006	Project: Site Investigation		Page: 2 of 3		
	Coordinates: X-610970.1 Y-682465.9		Depth of Boring: 32.00		
End Date: 12/11/2006	Elevation: 13.33		Geologist: P. Kelly, M. Merdinger		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

12					
14					
16		FILL: Brown (7.5YR 4/2) silty CLAY, wet. No odor.	3.3-0.0 ppm	133-B3E (16.0-16.5)	Cr+6, TAL Metals
		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.		133-B3F (17.0-17.5)	Cr+6, TAL Metals
18		NR: No Recovery			
20					

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		Client: PPG Industries	BORING ID: 133-B3		
		Site: Site 133			
Start Date: 12/7/2006	Project: Site Investigation		Page: 3 of 3		
	Coordinates: X-610970.1 Y-682465.9		Depth of Boring: 32.00		
End Date: 12/11/2006	Elevation: 13.33		Geologist: P. Kelly, M. Merdinger		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

22					
24		SAND: Gray (7.5YR 5/1) very fine SAND, some Silt, wet. Sulfur odor.	0.0 ppm	133-B3G (24.0-24.5)	Cr+6, TAL Metals
			2.1 ppm		
26		SAND: Gray (7.5YR 5/1) very fine SAND, some Silt, little interbedded Clay, wet. Slight sulfur odor.	0.1 ppm		
28		SAND: Gray (7.5YR 5/1) fine to coarse graded SAND, trace Silt, dry to moist. No odor.	0.0 ppm		
30		SAND: Weak Red (2.5 4/2) fine to medium SAND, trace Silt, moist. No odor.			
32		SAND: Gray (7.5YR 5/1) fine SAND, some medium rounded Gravel, moist. No odor.			
	NULL: End of Boring at 32 ft.				

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

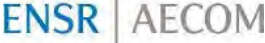
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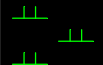

		Client: PPG Industries		BORING ID: 133-B4	
		Site: Site 133			
Start Date: 12/6/2006		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-610904.0 Y-682399.9		Depth of Boring: 32.00	
End Date: 12/12/2006		Elevation: 12.72		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: Street level ASPHALT			
		FILL: Coarse GRAVEL Rock (Macadam sub-surface), dry.	0.0 ppm	133-B4A (0.7-1.2)	Cr+6, TAL Metals
		FILL: Dark Brown SILT, some Clay and fine Gravel, moist.	0.0 ppm	133-B4B (1.5-2.0)	Cr+6, TAL Metals
2		FILL: Black medium GRAVEL with cohesive tar-like matter, some fine Sand and Silt, moist. No odor.	0.0 ppm		
		FILL: Blocky cobble-sized SLAG, some fine Sand.	0.0 ppm		
		FILL: Grayish Brown (10YR 5/2) SILT with Bright Green lenses, moist. Naphthalene odor. (WASTE MUD)	0.0 ppm	133-B4C (3.3-3.8)	Cr+6, TAL Metals
4			5.2 ppm		
			2.0 ppm	114-WC6 (4.6-5.6)	TCLP Metals, TCLP Cr+6
6		FILL: Very Dark Brown (10YR 2/2) SILT and coarse SAND, wet. Naphthalene odor.	5.2 ppm	133-B4D (6.0-6.5)	Cr+6, TAL Metals
		NR: No Recovery			
8		FILL: Black SILT and medium angular GRAVEL, little medium Sand, wet. Naphthalene odor.	0.0 ppm		
		FILL: Reddish Brown (2.5YR 4/3) silty CLAY with Green lenses, trace medium angular Gravel, wet. No odor.	0.3 ppm	133-B4E (9.0-9.5)	Cr+6, TAL Metals
10		FILL: Black medium angular GRAVEL, some Silt, Fill Material (ceramics, wood peices), wet. Slight odor.			
		NR: No Recovery			

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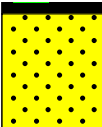
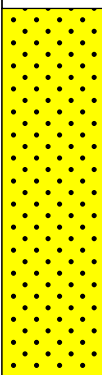
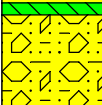
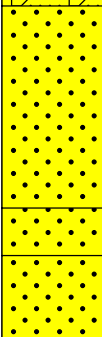
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		Site: Site 133			
Start Date: 12/6/2006		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-610904.0 Y-682399.9		Depth of Boring: 32.00	
End Date: 12/12/2006		Elevation: 12.72		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

12		FILL: Dark Brown (7.5YR 3/2) SILT, some very fine Sand, trace small rounded Gravel, moist. No odor.	0.1 ppm		
				133-B4F(12.5-13.0) 133-B4FD(12.5-13.0)	Cr+6, TAL Metals Cr+6, TAL Metals
14		FILL: Dark Reddish Gray (5YR 4/2) very fine SAND, little Silt, trace large Gravel, moist. No odor.	0.0 ppm		
		FILL: Reddish Brown (2.5YR 4/4) CLAY and SILT, little coarse Sand, Green staining, moist. No odor.	0.0 ppm		
		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.		133-B4G (14.3-14.8)	Cr+6, TAL Metals
16		NR: No Recovery			
		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.	0.1 ppm		
			0.0 ppm		
			0.3 ppm		
18				133-B4H (18.3-18.8)	Cr+6, TAL Metals
		NR: No Recovery			
20		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.	16.0 ppm		
			11.4 ppm		

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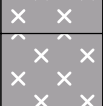
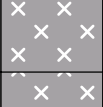


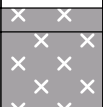
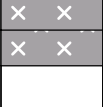
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		Site: Site 133			
Start Date: 12/6/2006	Project: Site Investigation		Page: 3 of 3		
	Coordinates: X-610904.0 Y-682399.9		Depth of Boring: 32.00		
End Date: 12/12/2006	Elevation: 12.72		Geologist: P. Kelly, M. Merdinger		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

22		SAND: Gray (Gley N5/0) very fine SAND, some Silt, wet. No odor.	4.8 ppm	133-B4I (21.8-22.3)	Cr+6, TAL Metals
		NR: No Recovery			
24		SAND: Gray (Gley N5/0) very fine SAND, some Silt, wet. No odor.	0.0 ppm		
			0.2 ppm		
			0.1 ppm		
			0.1 ppm		
28		CLAY: Gray (Gley N5/0) CLAY, medium stiff, moist. No odor.	0.1 ppm		
		SILT AND GRAVEL: Red (10R 5/6) SILT and medium rounded GRAVEL, some fine to medium Sand, wet. No odor.	0.0 ppm		
SAND: Weak Red (10R 4/3) fine to medium SAND, little Silt, loose, wet. No odor.		0.0 ppm			
SAND: Weak Red (10R 4/3) fine to medium SAND, little medium rounded Gravel, little Silt, trace Clay, loose, wet. No odor.		0.0 ppm			
SAND: Weak Red (10R 4/3) medium SAND, little rounded small Gravel, medium stiff, wet. No odor.		0.0 ppm			
32	NULL: End of Boring at 32 ft.				

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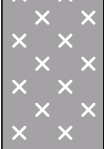
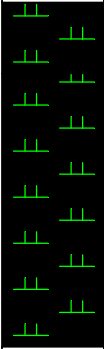
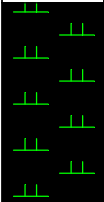
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		Site: Site 133			
Start Date: 12/7/2006		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-610830.7 Y-682330.3		Depth of Boring: 32.00	
End Date: 12/12/2006		Elevation: 12.37		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: Street level ASPHALT	0.0 ppm	133-B5A (0.4-0.9)	Cr+6, TAL Metals
		FILL: Gray coarse GRAVEL			
		FILL: Black fine SAND, some fine to coarse Gravel.	8.2 ppm		
2		FILL: Gray coarse COBBLES, some Brick fragments.		133-B5B (2.0-2.5)	Cr+6, TAL Metals
		FILL: Black fine SAND, some fine to medium Gravel, little Brick fragments.	0.0 ppm		
4		FILL: Reddish Brown (2.5YR 4/3) SILT, trace coarse Sand, Coal pieces, medium dense, dry. No odor.		133-B5C (4.5-5.0)	Cr+6, TAL Metals
		FILL: Greenish Gray (Gley 5G 6/1) and Brown (7.5YR 4/2) CLAY, medium stiff, dry. No odor.	0.0 ppm		
6		FILL: Black SILT and small angular GRAVEL, loose, wet. No odor.	0.0 ppm		
	NR: No Recovery				
8		FILL: Black SILT and small angular GRAVEL, loose, wet. No odor.	0.0 ppm		
		FILL: Reddish Brown (5YR 4/4) and Greenish Gray (Gley 5G 6/1) mottled SILT, trace rounded medium Gravel, Coal pieces, medium dense, moist. No odor.	0.0 ppm	133-B5D (8.5-9.0)	Cr+6, TAL Metals
10		FILL: Light Gray (5YR 7/1) GRAVEL and SILT, some Fill Material (ash, coal, ceramics), wet. No odor.	0.0 ppm		
		FILL: Reddish Brown (5YR 5/3) very fine SAND, some	0.0 ppm		

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

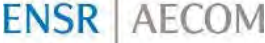
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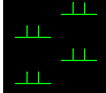
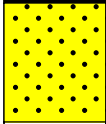
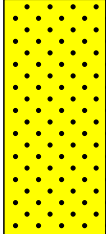
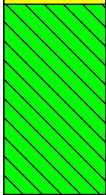
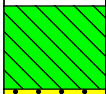

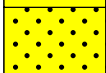
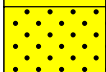
		Client: PPG Industries	BORING ID: 133-B5		
		Site: Site 133			
Start Date: 12/7/2006		Project: Site Investigation	Page: 2 of 3		
		Coordinates: X-610830.7 Y-682330.3	Depth of Boring: 32.00		
End Date: 12/12/2006		Elevation: 12.37	Geologist: P. Kelly, M. Merdinger		
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated	Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

12		Clay and Silt, loose, wet. No odor.			
		NR: No Recovery			
14		FILL: Reddish Brown (5YR 5/3) very fine to coarse SAND, some Clay and Silt, loose, wet. No odor.	0.0 ppm	133-B5E (12.0-12.5)	MS/MSD, Cr+6, TAL Metals
			0.0 ppm		
16		FILL: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.	160.0 ppm	133-B5F (13.9-14.4)	Cr+6, TAL Metals
		NR: No Recovery			
18		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.	20.7 ppm		
		PEAT: Dark Gray (5YR 4/1) organic CLAY, trace Organics/Peat, medium stiff, moist. Sulfur odor.	6.9 ppm		
20			34.9 ppm	133-B5G (18.0-18.5)	Cr+6, TAL Metals
		NR: No Recovery			
		PEAT: Dark Gray (5YR 4/1) organic CLAY, trace Organics/Peat, medium stiff, moist. Sulfur odor.	23.9 ppm		
			54.6 ppm		

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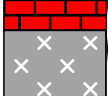
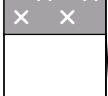




		Client: PPG Industries	BORING ID: 133-B5		
		Site: Site 133			
Start Date: 12/7/2006	Project: Site Investigation		Page: 3 of 3		
	Coordinates: X-610830.7 Y-682330.3		Depth of Boring: 32.00		
End Date: 12/12/2006	Elevation: 12.37		Geologist: P. Kelly, M. Merdinger		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

22			16.4 ppm		
		SAND: Gray (Gley N5/0) very fine SAND, little Silt, medium dense, moist. No odor.		133-B5H (22.5-23.0)	Cr+6, TAL Metals
			4.9 ppm		
		NR: No Recovery			
24		SAND: Gray (Gley N5/0) very fine SAND, little Silt, (at 25.5 ft bgs SILT, little very fine Sand, loose, wet) medium dense, moist. No odor.	1.6 ppm		
			3.6 ppm		
26		CLAY: Dark Grayish Brown (10YR 4/2) CLAY, some Silt, medium stiff, moist. No odor.	1.6 ppm		
			0.0 ppm		
		NR: No Recovery			
28		CLAY: Dark Grayish Brown (10YR 4/2) CLAY, some Silt, medium stiff, wet. No odor.	5.4 ppm		
		SAND: Weak Red (2.5YR 4/2) very fine to fine SAND, little Silt, loose, saturated. No odor.	0.4 ppm		
30		SAND: Reddish Brown (2.5YR 4/4) medium to coarse SAND, some interbedded Gray silty Clay (medium stiff) at 29.7 ft bgs, little Silt, loose, wet. No odor.	0.4 ppm		
		SAND: Weak Red (10R 4/4) very fine to fine SAND, trace Silt, moist. No odor.	0.1 ppm		
		NR: No Recovery			
32		NULL: End of Boring at 32 ft.			

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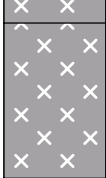
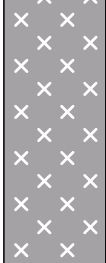
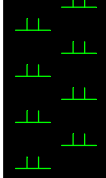
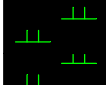
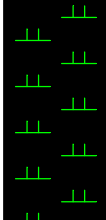

		Client: PPG Industries		BORING ID: 133-B6	
		Site: Site 133			
Start Date: 12/7/2006		Project: Site Investigation		Page: 1 of 4	
		Coordinates: X-610753.2 Y-682262.7		Depth of Boring: 36.00	
End Date: 12/13/2006		Elevation: 12.14		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: Street level ASPHALT			
		FILL: Gray medium COBBLES and coarse GRAVEL.	1.2 ppm	133-B6A (0.7-1.2)	Cr+6, TAL Metals
		FILL: Black fine SAND, some fine Gravel, little Coal pieces.			
2		FILL: Dark Gray medium-sized COBBLES, some fine Black Sand.	0.0 ppm		
		FILL: Black fine GRAVEL, some fine Sand and Ash, little Woody Organic material.	2.7 ppm	133-B6B (2.1-2.6)	Cr+6, TAL Metals
		FILL: BRICK, some Black medium Sand.			
		FILL: Black medium GRAVEL, some Fill Material (ash, brick fragments, fine gravel-sized slag, ceramics).	1.4 ppm	133-B6C (3.1-3.6)	Cr+6, TAL Metals
4		FILL: Blocky, medium cobble-sized SLAG			
		FILL: Green-gray SILT and CLAY, some fine to coarse Gravel, wet.	1.7 ppm	133-B6D (4.2-4.7)	Cr+6, TAL Metals
		FILL: Dark Brown (7.5YR 4/2) silty CLAY, little fine to medium Sand and small angular Gravel, medium stiff, wet. No odor.	0.0 ppm		
6		BRICK: Whole Brick layer	0.0 ppm		
		FILL: Dark Brown (7.5YR 4/2) and Brown (7.5YR 4/3) fine to coarse silty SAND, little small angular Gravel, Fill Material (shells, coal fragments), medium dense, moist. No odor.			
8		NR: No Recovery	N/A	133-B6E (8.0-8.5)	Cr+6, TAL Metals
		FILL: Gray (7.5YR 5/1) small angular GRAVEL, some Silt, Fill Material (ash, ceramics, coal, brick), loose, wet. No odor.			

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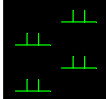
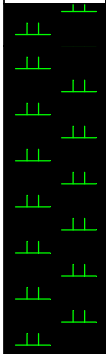

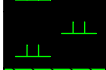
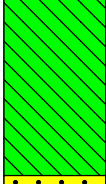
		Client: PPG Industries	BORING ID: 133-B6		
		Site: Site 133			
Start Date: 12/7/2006	Project: Site Investigation		Page: 2 of 4		
	Coordinates: X-610753.2 Y-682262.7		Depth of Boring: 36.00		
End Date: 12/13/2006	Elevation: 12.14		Geologist: P. Kelly, M. Merdinger		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

10		FILL: Reddish Brown (2.5YR 5/3) SILT, trace angular Gravel, medium dense, moist. No odor.	N/A		
		NR: No Recovery			
12		FILL: Reddish Brown (5YR 4/3) clayey SILT, little coarse Sand, loose, wet. No odor.		133-B6F (12.0-13.0)	Cr+6, TAL Metals
				133-B6FD (12.0-13.0)	Cr+6, TAL Metals
14		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.	N/A	133-B6G (13.9-14.4)	Cr+6, TAL Metals
		NR: No Recovery			
16		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.			
		PEAT: Very Dark Gray (Gley N3/) organic CLAY, little Organics, medium stiff, moist. Sulfur odor.			
18				133-B6H (18.0-18.5)	Cr+6, TAL Metals

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

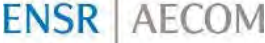
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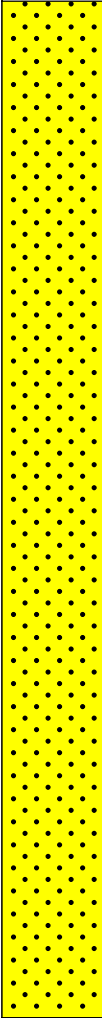

		Client: PPG Industries	BORING ID: 133-B6		
		Site: Site 133			
Start Date: 12/7/2006	Project: Site Investigation		Page: 3 of 4		
	Coordinates: X-610753.2 Y-682262.7		Depth of Boring: 36.00		
End Date: 12/13/2006	Elevation: 12.14		Geologist: P. Kelly, M. Merdinger		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

20		NR: No Recovery	N/A		
		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.			
22		PEAT: Very Dark Gray (Gley N3/) organic CLAY, trace Organics, medium stiff, moist. Sulfur odor.			
				133-B6I (22.0-22.5)	Cr+6, TAL Metals
24		SAND: Gray (Gley N5/) very fine SAND, some Silt, medium stiff, moist. No odor.			
		NR: No Recovery			
26		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.			
		PEAT: Very Dark Gray (Gley N3/) organic CLAY, trace Organics, medium stiff, moist. Sulfur odor.		133-B6J (24.5-25.0)	Cr+6, TAL Metals
		CLAY: Light Greenish Gray (Gley 5GY 7/1) silty CLAY, trace small angular Gravel, medium stiff, moist. No odor.			
		SAND: Weak Red (10R 4/2) fine to coarse SAND, little Silt, loose, wet. No odor.			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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		Client: PPG Industries	BORING ID: 133-B6		
		Site: Site 133			
Start Date: 12/7/2006	Project: Site Investigation		Page: 4 of 4		
	Coordinates: X-610753.2 Y-682262.7		Depth of Boring: 36.00		
End Date: 12/13/2006	Elevation: 12.14		Geologist: P. Kelly, M. Merdinger		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

28		NR: No Recovery	N/A		
		SAND: Weak Red (10R 4/2) fine to coarse SAND, trace small rounded Gravel, trace Silt, (28.6-28.8 ft bgs GRAVEL) loose, wet. No odor.			
30					
32			N/A		
34					
36		NR: No Recovery			
		NULL: End of Boring at 36 ft.			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

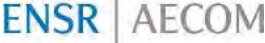
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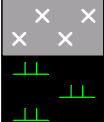
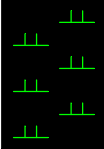
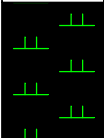
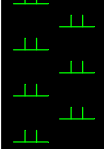
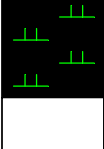
		Client: PPG Industries		BORING ID: 133-B7	
		Site: Site 133			
Start Date: 12/7/2006		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-610689.1 Y-682200.0		Depth of Boring: 32.00	
End Date: 12/13/2006		Elevation: 11.81		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: Street level ASPHALT	1.5 ppm		
		FILL: Gray coarse GRAVEL		133-B7A (0.8-1.3)	Cr+6, TAL Metals
		FILL: Black coarse SAND, some fine Gravel, little medium Gravel and Coal pieces.			
2		BRICK: Whole Brick layer	118.0 ppm	133-B7B (2.3-2.8)	Cr+6, TAL Metals
		FILL: Black coarse SAND, some Ash, Green-gray fine Sand lenses. Heavy petroleum odor.			
					
4			138.0 ppm	133-B7C (4.5-5.0)	Cr+6, TAL Metals
		FILL: Black coarse SAND, some coarse Gravel, Fill Material (wood, ceramics), loose, wet. Heavy petroleum odor.			
					
6		FILL: Brown (10YR 5/3) SILT, trace Clay, Fill Material (ash, ceramics, weathered stones, gravel-mix), wet. No odor.	N/A		
		NR: No Recovery			
8		FILL: Brown (10YR 5/3) SILT, trace Clay, Fill Material (ash, ceramics, weathered stones, gravel-mix), wet. No odor.		133-B7D (8.5-9.5)	MS/MSD, Cr+6, TAL Metals
		FILL: Reddish Brown (5YR 4/3) very fine to fine silty SAND, little small angular Gravel, mottling to a Dark Brown, loose, wet. No odor.			
10					
		NR: No Recovery			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

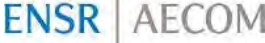
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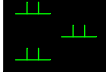
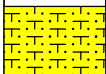



		Client: PPG Industries	BORING ID: 133-B7		
		Site: Site 133			
Start Date: 12/7/2006		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-610689.1 Y-682200.0		Depth of Boring: 32.00	
End Date: 12/13/2006		Elevation: 11.81		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

12		FILL: Reddish Brown (5YR 4/3) very fine to fine silty SAND, little small angular Gravel, mottling to a Dark Brown, loose, wet. No odor.	N/A	133-B7E (12.5-13.0)	Cr+6, TAL Metals
		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.			
14		NR: No Recovery	N/A		
16		PEAT: Very Dark Gray (5Y 3/1) organic CLAY, little to trace Organics/Peat, medium stiff, moist. Sulfur odor.	N/A	133-B7F (16.5-17.0)	Cr+6, TAL Metals
18			N/A		
20		NR: No Recovery	N/A		
		PEAT: Very Dark Gray (5Y 3/1) organic CLAY, little to trace Organics/Peat, medium stiff, moist. Sulfur odor.		133-B7G (20.5-21.0)	Cr+6, TAL Metals

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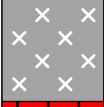


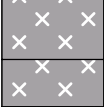


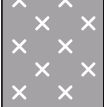
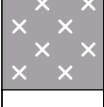

		Client: PPG Industries	BORING ID: 133-B7		
		Site: Site 133			
Start Date: 12/7/2006	Project: Site Investigation		Page: 3 of 3		
	Coordinates: X-610689.1 Y-682200.0		Depth of Boring: 32.00		
End Date: 12/13/2006	Elevation: 11.81		Geologist: P. Kelly, M. Merdinger		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

22		SILTY SAND: Dark Gray (5YR 4/1) very fine to fine silty SAND, little to trace small rounded Gravel and Silt, loose, wet. No odor.	N/A	133-B7H (22.3-22.8)	Cr+6, TAL Metals
24		NR: No Recovery SILTY SAND: Dark Gray (5YR 4/1) and Dark Greenish Gray (Gley 5GY 4/1) mottled, very fine to fine silty SAND, little to trace small rounded Gravel and Silt, medium dense, dry. No odor.			
26		SAND: Reddish Brown (2.5YR 4/3) fine to coarse SAND, little to trace small rounded Gravel and Silt, loose, wet. No odor.	N/A		
28		NR: No Recovery SAND: Reddish Brown (2.5YR 4/3) very fine to fine SAND, little Silt, loose, wet. No odor.			
30		NR: No Recovery			
32		NULL: End of Boring at 32 ft.			

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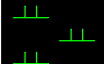
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		Site: Site 133				
Start Date: 1/5/2007		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-610752.7 Y-682193.6		Depth of Boring: 16.00		
End Date: 1/5/2007		Elevation: 13.60		Geologist: M. Merdinger		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

0		CONCRETE: Concrete floor			
		FILL: Black TOPSOIL and Fill SAND, Fill Material (ceramics, plastic), loose, moist. No odor.		133-B8A (0.7-1.2)	Cr+6, TAL Metals
		BRICK: Brick and Concrete pieces.			
		FILL: Dark Brown (7.5YR 3/3) SILT and fine FILL (glass, ceramic, brick, concrete, coal), loose, dry. No odor.			
2		NR: No Sample			
4		FILL: Dark Brown (7.5YR 3/3) SILT and fine FILL (glass, ceramic, brick, concrete, coal), loose, dry. No odor.	0.0 ppm		
					
		FILL: Black-stained SILT and GLASS	4.0 ppm		
		FILL: Dark Brown (7.5YR 3/2) SILT, trace Clay, Fill Material (gravel, brick), loose, moist. No odor.		133-B8B (5.0-6.0)	MS/MSD, Cr+6, TAL Metals
6		FILL: Very Dark Gray (10R 3/1) to Black SILT, some very fine Sand, some fine Fill Material (ash, shell, brick, glass), Coal tar, loose, wet. Naphthalene and paint thinner odor.	9.0 ppm		
		NR: No Recovery			
8		FILL: Very Dark Gray (10R 3/1) to Black SILT, some	0.0 ppm		

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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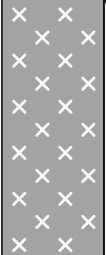
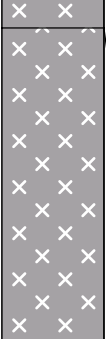
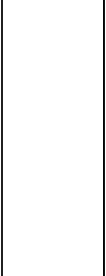

		Client: PPG Industries		BORING ID: 133-B8		
		Site: Site 133				
Start Date: 1/5/2007		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-610752.7 Y-682193.6		Depth of Boring: 16.00		
End Date: 1/5/2007		Elevation: 13.60		Geologist: M. Merdinger		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

10		very fine Sand, some fine Fill Material (ash, shell, brick, glass), Coal tar, loose, wet. Naphthalene and paint thinner odor.	7.5 ppm	133-B8C (9.0-10.0)	Cr+6, TAL Metals
		FILL: Olive Brown (2.5Y 4/3) and Weak Red (10R 4/4) mottled SILT and very fine SAND, little Clay, medium dense, moist. No odor.		133-B8CD (9.0-10.0)	Cr+6, TAL Metals
12		FILL: Grayish Brown (2.5Y 5/2) SILT and ASH, some fine Fill Material (gravel, shells, rubber, sand), loose, wet. No odor.	3.5 ppm		
		FILL: No Recovery			
14		FILL: Grayish Brown (2.5Y 5/2) SILT and ASH, some fine Fill Material (gravel, shells, rubber, sand), loose, wet. No odor.	N/A		
		FILL: Dark Gray (2.5Y 4/1) very fine sandy SILT, trace fine Gravel, loose, wet. No odor.			
		FILL: Gray (2.5Y 5/1) SILT and crushed CONCRETE, little to trace Sand, loose, wet. No odor.		133-B8D (13.0-13.5)	Cr+6, TAL Metals
		PEAT: PEAT (Meadow Mat), some Organics, moist, medium stiff. Sulfur odor.		133-B8E (13.5-14.0)	Cr+6, TAL Metals
16		NR: No Recovery			
		NULL: End of Boring at 16 ft.			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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		Client: PPG Industries		BORING ID: 133-B9		
		Site: Site 133				
Start Date: 1/5/2007		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-610880.6 Y-682252.5		Depth of Boring: 16.00		
End Date: 1/5/2007		Elevation: 13.33		Geologist: M. Merdinger		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

0		CONCRETE: Concrete floor with yellow staining. Water used in concrete coring was stained yellow/green.	0.0 ppm	133-B9A (0.5-1.0)	Cr+6, TAL Metals
		FILL: Dark Reddish Brown (2.5YR 2.5/3) SILT, little fine to medium Sand, 100% COPR, loose, dry. No odor.	0.0 ppm		
		NR: No Sample	0.0 ppm		
2					
4					
		FILL: Dark Reddish Brown (2.5YR 2.5/3) SILT, little fine to medium Sand, 100% COPR, loose, dry. No odor.	N/A	133-B9B (4.5-5.0)	Cr+6, TAL Metals
		FILL: Brown (7.5YR 5/2) to stained-Black SILT and fine angular Gravel, Fill Material (Glass, Ceramic), loose, wet. Paint thinner odor.			
6					
		NR: No Recovery			
8		FILL: Dusky Red (2.5YR 3/2) fine rounded GRAVEL,	420.0	133-B9C	Cr+6, TAL Metals

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		Client: PPG Industries		BORING ID: 133-B9		
		Site: Site 133				
Start Date: 1/5/2007		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-610880.6 Y-682252.5		Depth of Boring: 16.00		
End Date: 1/5/2007		Elevation: 13.33		Geologist: M. Merdinger		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

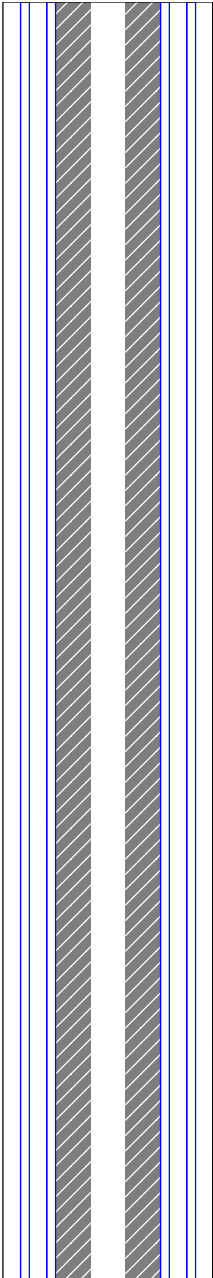

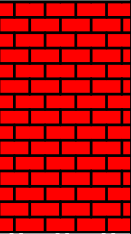
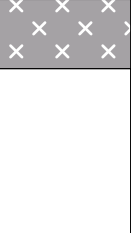
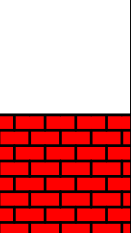
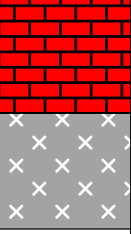
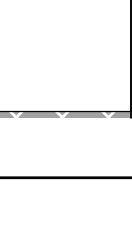
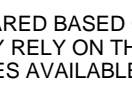
10		little Silt, 100% COPR, loose, wet. Paint thinner odor.	ppm	(8.0-8.5)	
		FILL: Black SILT and medium angular GRAVEL, loose, wet. Naphthalene odor.	100.0 ppm		
		FILL: Dark Reddish Brown (5YR 3/2) SILT, trace fine Gravel and medium to coarse Sand, medium dense, wet. No odor.	77.0 ppm		
12		NR: No Recovery			
		FILL: Black stained SILT, little very fine Sand, loose, wet. No odor.	11.7 ppm	133-B9D (12.0-12.5)	Cr+6, TAL Metals
			4.0 ppm		
14		FILL: Construction and Demolition FILL Material (ash, slag, concrete, nails), loose, wet. No odor.	4.5 ppm	133-B9E (14.0-14.5)	Cr+6, TAL Metals
		NR: No Recovery			
16		NULL: End of Boring at 16 ft.			

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Client: PPG Industries**Site:** Site 133**Site Location:** Jersey City, NJ**Geologist:** B. Ergezen, M. Merdinger**Drilling Company:** Eichelbergers**Driller:** N. Moyer**Drilling Date:** 3/29/2007**Well Completion Date:** 4/26/2007**Elevation:** 13.10**State Plane Coordinates:** X: 682282.8 Y: 610670.5**Drilling Method:** HSA/Mud Rotary**ENSR** | **AECOM****133-MW1C**

Page: 1 of 7

Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
0		2 in dia PVC Riser Bentonite-cement Grout 6 in and 10 in Steel Casings	0.0			Very Dark Brown (10YR 2/2) medium to fine SAND, little medium to fine Gravel, trace organics, plastic, moist, loose. No odor.
1		133-1CA (1.0-2.0) Cr+6, TAL Metals	0.0			
2						Soft Dig refusal on brick foundation. No sample, augered through.
3						
4		133-1CB (4.0-4.5) Cr+6, TAL Metals	N/A	50/2		Very Dark Gray (5YR 3/1) SILT, some coarse Sand (Fill Sand), crushed Fill Material (brick), trace organics, wet, loose. Diesel fuel odor. Refusal on Brick.
5			N/A	1		No Recovery
6				3		
7				4		
8				10		
9		133-1CC (9.0-10.0) Cr+6, TAL Metals 133-1CCD (9.0-10.0) Cr+6, TAL Metals	N/A	N/A		Brick foundation. No sample, augered through.
10						Gray (5Y 5/1) SILT, trace coarse to fine Sand interbedded with Ash and crushed Fill Material (C/D), moist to wet, loose. Black water in sample. No odor.
11				6		No Recovery
				6		Gray (5Y 5/1) SILT, trace coarse to fine Sand interbedded with Ash and crushed Fill Material

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Client: PPG Industries**Site:** Site 133**Site Location:** Jersey City, NJ**Geologist:** B. Ergezen, M. Merdinger**Drilling Company:** Eichelbergers**Driller:** N. Moyer**Drilling Date:** 3/29/2007**Well Completion Date:** 4/26/2007**Elevation** 13.10**State Plane Coordinates** X: 682282.8 Y: 610670.5**Drilling Method:** HSA/Mud Rotary**ENSR** | **AECOM****133-MW1C**

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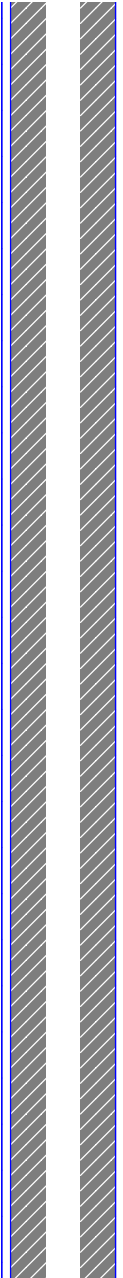
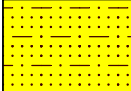
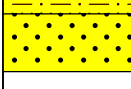

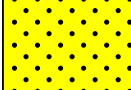




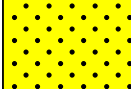

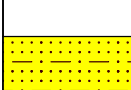
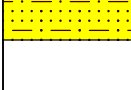

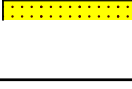
Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
12			N/A	3		(C/D), moist to wet, very loose. Black water in sample. No odor.
				4		No Recovery
				5		
				4		
13		133-1CD (13.0-14.0) MS/MSD, Cr+6, TAL Metals	N/A	1		Dark Gray (Gley1 4N/0) PEAT, organics, cohesive, very soft, moist. No odor.
				2		
				1		
				2		No Recovery
15		133-1CE (15.0-15.5) Cr+6, TAL Metals	N/A	2		Dark Gray (Gley1 4N/0) PEAT, trace organics, cohesive, very soft, moist. Slight sulfur odor.
				2		
				2		
				2		No Recovery
17		133-1CF (17.0-18.0) MS/MSD, Cr+6, TAL Metals	0.0	WH		Dark Gray (Gley 4N/0) organic CLAY, little Silt, trace organics and shells, moist, cohesive, very soft. No odor.
				1		
			0.0	1		No Recovery
				1		
19		133-1CG (19.0-20.0) Cr+6, TAL Metals 133-1CGD (19.0-20.0) Cr+6, TAL Metals	0.0	2		Dark Gray (Gley 4N/0) organic CLAY, little Silt, trace organics and shells, moist, cohesive, very soft. No odor.
				1		
			0.0	1		No Recovery
				1		
21		133-1CH (21.0-21.5) Cr+6, TAL Metals	0.0	1		Dark Gray (Gley 4N/0) organic CLAY, little Silt, trace organics and shells, moist, cohesive, very soft. No odor.
				2		No Recovery

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Client: PPG Industries**Site:** Site 133**Site Location:** Jersey City, NJ**Geologist:** B. Ergezen, M. Merdinger**Drilling Company:** Eichelbergers**Driller** N. Moyer**Drilling Date:** 3/29/2007**Well Completion Date:** 4/26/2007**Elevation** 13.10**State Plane Coordinates** X: 682282.8 Y: 610670.5**Drilling Method:** HSA/Mud Rotary**ENSR** | **AECOM****133-MW1C**

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
23		133-1CI (23.0-23.5) Cr+6, TAL Metals	0.0	2		
				3		
				8		Gray (Gley1 5N/0) very fine SAND and SILT, trace Clay and medium rounded Gravel, wet, medium dense. No odor.
				13		
24			0.0	14		Weak Red (10R 4/3) very fine SAND, some Silt, trace Clay and fine to medium round Gravel, wet, medium dense. No odor.
				12		
25			0.0	3		No Recovery
				2		Weak Red (10R 4/3) coarse to fine graded SAND, trace rounded fine Gravel and Silt, wet, very loose. No odor.
26			0.0	2		
				3		No Recovery
27		133-1CJ (27.0-27.8) Cr+6, TAL Metals	0.0	6		Weak Red (10R 4/3) medium to coarse SAND, some Silt, little fine to medium rounded Gravel, loose, wet. No odor.
		133-1CJD (27.0-27.8) Cr+6, TAL Metals		7		
28			0.0	5		No Recovery
				6		
29			0.0	6		Weak Red (10R 4/3) coarse to fine graded SAND, some to little Silt, little medium to coarse rounded Gravel, wet, loose. No odor.
				6		
30			0.0	5		
				7		No Recovery
31		133-1CK (31.0-31.5) MS/MSD, Cr+6, TAL Metals	0.0	6		Weak Red (10R 4/3) medium to fine SAND and SILT, trace fine to medium rounded Gravel, wet, loose. No odor.
				5		
32			0.0	6		No Recovery
				6		
33			0.0	6		

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
34				5		Weak Red (10R 4/3) fine SAND and SILT, wet, loose. No odor.
			0.0	6		
35				6		No Recovery
			0.0	2		Weak Red (10R 4/3) fine SAND and SILT, wet, very loose. No odor.
				4		
36			0.0	4		Weak Red (10R 4/4) SILT, some very fine Sand, wet, loose. No odor.
				5		No Recovery
37			0.0	4		Weak Red (10R 4/4) SILT, little very fine Sand, wet, very loose. No odor.
				1		No Recovery
38				3		
				4		
39			N/A	6		Weak Red (10R 4/4) SILT, little to trace very fine Sand, wet, loose. No odor.
				5		
40				6		
				7		No Recovery
41			0.0	8		Weak Red (10R 4/4) SILT, trace to none very fine Sand, wet, loose. No odor.
				6		
42			0.0	7		No Recovery
				9		
43			0.0	7		Weak Red (10R 4/4) SILT, trace to none very fine Sand, wet, loose. No odor.
				6		
44			0.0	7		

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
45				7		No Recovery
			0.0	4		Weak Red (10R 4/4) SILT, little to trace very fine Sand, wet, loose. No odor.
				5		
46			0.0	6		No Recovery
				8		
47			0.0	8		Weak Red (10R 4/4) SILT, wet, loose. No odor.
				8		
48			0.0	7		
				8		No Recovery
49			0.0	7		Weak Red (10R 4/4) SILT, wet, loose. No odor.
				7		
50			0.0	8		
				8		No Recovery
51			0.0	7		Weak Red (10R 4/4) SILT, trace to none very fine Sand, wet, loose. No odor.
				6		
52			0.0	6		
				7		No Recovery
53			0.0	7		Weak Red (10R 4/4) SILT, wet, loose. No odor.
				8		
54			0.0	7		Weak Red (10R 5/4) SILT and little interbedded Silty Clay, loose, wet. No odor.
				5		No Recovery
55			0.0	6		Weak Red (10R 4/4) SILT, wet, loose. No odor.

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
56			0.0	5		Dark Gray (5YR 4/1) CLAY, some Silt, with trace interbedded Weak Red (10R 5/4) Silt, moist, cohesive, medium. No odor.
				6		
57				7		No Recovery
				3		Dark Gray (5YR 4/1) CLAY and Weak Red (10R 5/4) SILT, interbedded, firm, cohesive, soft. No odor.
				4		
58				4		
				4		
59				4		
				7		
60				6		Reddish Brown (2.5YR 4/3) interbedded Silty CLAY and SILT, cohesive, medium, moist. No odor.
			0.0	5		
61				3		
				3		
62				5		
				4		
63				6		
				6		
64				6		Gray (5Y 5/1) CLAY, interbedded with trace Weak Red (10R 5/4) Silt and very fine Sand, cohesive, medium, moist. No odor.
				6		
65				3		Gray (5Y 5/1) CLAY, interbedded with some Weak Red (10R 5/4) Silt and very fine Sand, cohesive, soft, moist. No odor.
			0.0	4		
66				6		

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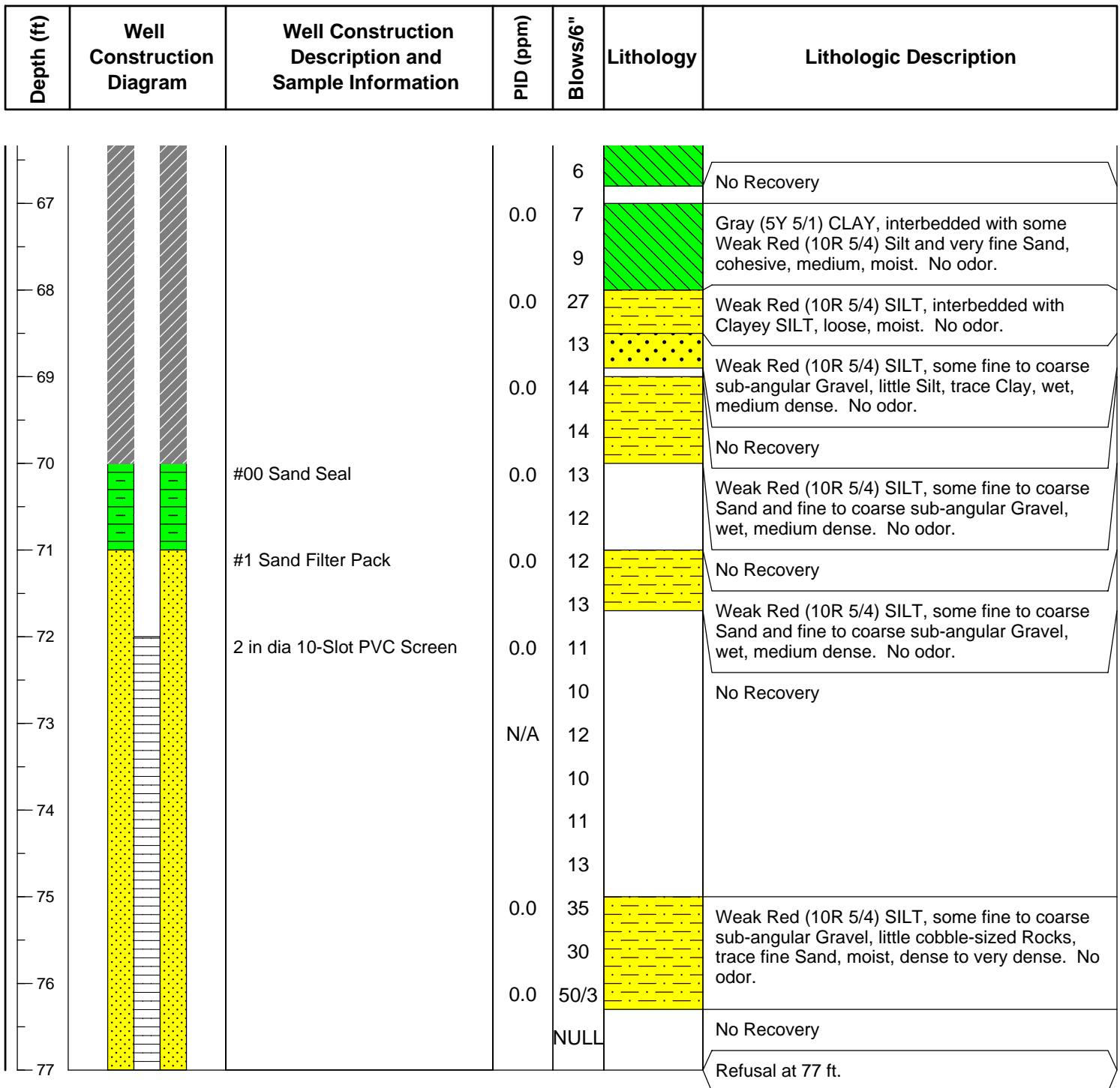
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133-MW1C

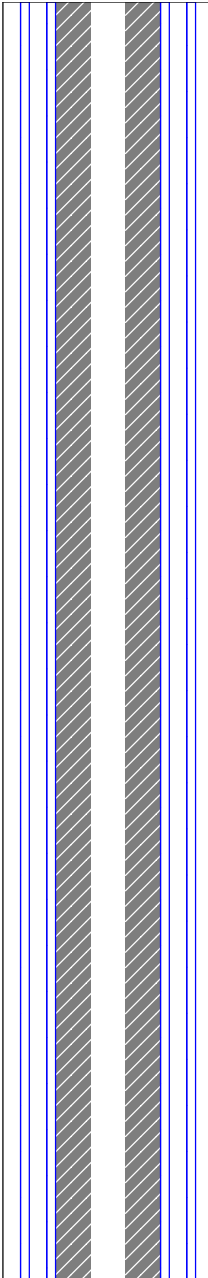
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Client: PPG Industries**Site:** Site 133**Site Location:** Jersey City, NJ**Geologist:** P. Kelly, M. Merdinger**Drilling Company:** Eichelbergers**Driller** N. Moyer**Drilling Date:** 1/19/2007**Well Completion Date:** 4/10/2007**Elevation** 11.55**State Plane Coordinates** X: 682151.3 Y: 610792.2**Drilling Method:** HSA/Mud Rotary**ENSR** | **AECOM****133-MW2C**

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
0		2 in dia PVC Riser Bentonite-cement Grout 6 in and 10 in Steel Casing	N/A			
1		133-2CA (0.5-1.0) Cr+6, TAL Metals 133-2CAD (0.5-1.0) Cr+6, TAL Metals	N/A			Black (5YR 2.5/1) fine GRAVEL, some medium to coarse Gravel, little Sand and Silt, 10% COPR, rootlets, dry, loose.
2						
3						
4		133-2CB (3.8-4.2) MS/MSD, Cr+6, TAL Metals	N/A			Weak Red (2.5YR 4/2) fine GRAVEL and ASH, some coarse to fine gravel-sized Slag peices, 8% COPR, little ceramic peices. Wet at 4.5 ft bgs.
5		135-2CE (5.0-5.5) Cr+6, TAL Metals	0.0	2		Very Dark Gray (Gley 3N/0) ASH, some Silt, little very fine to coarse Sand and crushed Fill Material (coal, glass, ceramics), wet, very loose, wet. No odor.
6			0.0	3		No Recovery
7		135-2CF (7.0-7.5) Cr+6, TAL Metals	0.0	9		Yellowish Brown (10YR 5/4) SILT, little very fine Sand, moist, loose. No odor.
8			0.0	7		Gray (10YR 6/1) ASH, some fine crushed Fill (coal, ceramics), very loose, wet. No odor.
9				4		No Recovery
				3		

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ENSR | AECOM

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
10 11 12 13 14 15 16 17 18		135-2CG (9.0-9.7) Cr+6, TAL Metals 135-2CGD (9.0-9.7) Cr+6, TAL Metals	0.0	1		Gray (10YR 6/1) ASH, some fine crushed Fill (coal, ceramics), very loose, wet. No odor.
				1		No Recovery
				2		
				1		
			0.0	1		Gray (10YR 6/1) ASH, some fine crushed Fill (coal, ceramics), very loose, wet. No odor.
				1		
			0.0	1		No Recovery
				1		
		135-2CH (13.0-14.0) MS/MSD, Cr+6, TAL Metals	172.0	WH		Dark Brown (7.5YR 3/2) PEAT, organics, moist, cohesive, very soft. Sulfur odor.
			253.0			
			167.0	1		No Recovery
				1		
				1		
				1		
			N/A	1		
				1		

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ENSR | AECOM

133-MW2C

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
19				1		
				1		
			2.7	WH		Fall-in, no Recovery
		135-2CI (19.2-19.3) Cr+6, TAL Metals	2.7	WH		Gray (5BG 5/1) PEAT and some medium to coarse Sand and Silt, wet, cohesive, very soft. Sulfur odor.
20				WH		No Recovery
				2		
21		135-2CJ (21.0-22.0) MS/MSD, Cr+6, TAL Metals	3.4	1		Dark Gray (2.5Y 4/1) PEAT, organics, moist, cohesive, very soft. Sulfur odor.
				2		
22		135-2CK (22.0-22.5) Cr+6, TAL Metals	5.7	2		Dark Greenish Gray (5G 4/1) very fine SAND, some Silt, wet, very loose. Sulfur odor.
				2		No Recovery
23		135-2CL (23.0-23.6) Cr+6, TAL Metals 135-2CLD (23.0-23.6) Cr+6, TAL Metals	3.7	2		Dark Gray (2.5Y 4/1) PEAT, organics, moist, cohesive, soft. Sulfur odor.
		135-2CM (23.6-24.1) Cr+6, TAL Metals	37.9	3		Dark Greenish Gray (5G 4/1) very fine SAND and SILT, wet, very loose. Sulfur odor.
24			18.7	3		Gray (10YR 5/1) fine to coarse SAND and CLAY, little Silt, moist, cohesive, soft. No odor.
				4		No Recovery
25			37.9	4		Gray (10YR 5/1) fine to coarse SAND and CLAY, little Silt, moist, cohesive, soft. No odor.
				4		Dark Reddish Gray (5YR 4/2) SILT, some Clay, cohesive, soft, moist. Sulfur odor.
26				3		Reddish Gray (2.5YR 5/1) SILT, little very fine Sand, moist, very loose. No odor.
				3		No Recovery
27						

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
28		135-2CN (27.6-28.1) Cr+6, TAL Metals	0.2	5		Dark Reddish Gray (5YR 4/2) SILT, some Clay, little medium Sand, cohesive, medium, moist. No odor.
			0.2	6		
				6		Weak Red (2.5YR 5/2) 5/2) very fine SAND, little Silt and Clay, trace medium Gravel, moist, loose. No odor.
				5		
29			0.0	7		No Recovery
				5		Weak Red (2.5YR 5/2) 5/2) very fine SAND, little Silt and Clay, trace medium Gravel, moist, loose. No odor.
30				6		Weak Red (10R 4/4) very fine SAND, little to trace Silt, moist, loose. No odor.
				6		No Recovery
31			0.0	5		Weak Red (10R 4/4) very fine SAND, some Silt, loose, moist. No odor.
		135-2CO (31.6-32.4) Cr+6, TAL Metals	0.0	4		
32			0.0	4		
				5		
33			0.0	5		
				5		
34			0.0	4		Weak Red (10R 4/4) SILT, little to none very fine Sand, wet, very loose. No odor.
				4		
35			0.0	1		Weak Red (10R 4/4) SILT, little very fine Sand, wet, very loose. No odor.
				2		No Recovery
36						

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
37			0.0	2		
				2		
				2		
				2		
38				2		No Recovery
				3		
39			0.0	3		Weak Red (10R 4/4) SILT, trace to none very fine Sand, wet, very loose. No odor.
				3		
40			0.0	4		No Recovery
				6		
41			0.0	10		Weak Red (10R 4/4) very fine SAND, some to little Silt, wet, loose. No odor.
				7		
42			0.0	6		
				7		No Recovery
43			0.0	3		Weak Red (10R 4/2) fine to medium SAND, little to trace Silt, wet, very loose. No odor.
				4		
44			0.0	4		
				6		No Recovery
45			0.0	4		

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983

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Client: PPG Industries**Site:** Site 133**Site Location:** Jersey City, NJ**Geologist:** P. Kelly, M. Merdinger**Drilling Company:** Eichelbergers**Driller** N. Moyer**Drilling Date:** 1/19/2007**Well Completion Date:** 4/10/2007**Elevation** 11.55**State Plane Coordinates** X: 682151.3 Y: 610792.2**Drilling Method:** HSA/Mud Rotary**ENSR** | **AECOM****133-MW2C**

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
46			0.0	3		Weak Red (10R 4/4) SILT and very fine SAND, very loose, wet. No odor.
				5		
47			0.0	4		No Recovery
				2		Weak Red (10R 4/4) SILT, some very fine Sand, very loose, wet. No odor.
48			0.0	3		
				5		No Recovery
49			N/A	5		
				3		
50				4		
				5		
51			0.0	5		Weak Red (10R 4/4) SILT, wet, loose. No odor.
				5		
52			0.0	6		
				6		No Recovery
53			0.0	3		Weak Red (10R 4/4) SILT, wet, very loose. No odor.
				3		
54				4		

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Client: PPG Industries**Site:** Site 133**Site Location:** Jersey City, NJ**Geologist:** P. Kelly, M. Merdinger**Drilling Company:** Eichelbergers**Driller** N. Moyer**Drilling Date:** 1/19/2007**Well Completion Date:** 4/10/2007**Elevation** 11.55**State Plane Coordinates** X: 682151.3 Y: 610792.2**Drilling Method:** HSA/Mud Rotary

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
55				5		No Recovery
			0.0	3		Weak Red (10R 4/4) SILT, wet, very loose. No odor.
				3		
56			0.0	3		
				3		No Recovery
57			0.0	3		Weak Red (10R 4/4) SILT, little very fine Sand, trace Clay, wet, loose. No odor.
				5		
58			0.0	8		
				8		No Recovery
59			0.0	6		Weak Red (10R 4/4) SILT, little very fine Sand, trace Clay, wet, loose. No odor.
				8		
60			0.0	10		
				9		No Recovery
61			0.0	8		Weak Red (10R 4/4) SILT, loose, moist. No odor.
				9		
62			0.0	9		No Recovery
				9		
63			0.0	4		

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Client: PPG Industries**Site:** Site 133**Site Location:** Jersey City, NJ**Geologist:** P. Kelly, M. Merdinger**Drilling Company:** Eichelbergers**Driller:** N. Moyer**Drilling Date:** 1/19/2007**Well Completion Date:** 4/10/2007**Elevation:** 11.55**State Plane Coordinates** X: 682151.3 Y: 610792.2**Drilling Method:** HSA/Mud Rotary**ENSR** | **AECOM****133-MW2C**

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
64				6		Weak Red (10R 4/4) SILT, trace very fine Sand, loose, wet. No odor.
			0.0	3		Weak Red (10R 4/4) CLAY, some Silt, wet, cohesive, very soft. No odor.
				2		No Recovery
65			0.0	3		Weak Red (2.5YR 5/2) SILT, some interbedded Silty Clay, trace very fine Sand, moist, cohesive, soft. No odor.
				2		
66			0.0	2		
				2		No Recovery
67			0.0	WH		Weak Red (2.5YR 5/2) SILT, some interbedded Silty Clay, cohesive, very soft, wet. No odor.
				2		
68			0.0	1		
				2		Dark Gray (5YR 4/1) CLAY, little interbedded Weak Red (2.5YR 5/2) Silt and very fine Sand, moist, cohesive, very soft. No odor.
69			0.0	3		
				3		
70			0.0	3		Weak Red (10R 4/4) SILT, little to trace interbedded Silty Clay, moist, very loose. No odor.
				4		
71			0.0	WH		
				1		
72			0.0	3		

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Client: PPG Industries**Site:** Site 133**Site Location:** Jersey City, NJ**Geologist:** P. Kelly, M. Merdinger**Drilling Company:** Eichelbergers**Driller:** N. Moyer**Drilling Date:** 1/19/2007**Well Completion Date:** 4/10/2007**Elevation** 11.55**State Plane Coordinates** X: 682151.3 Y: 610792.2**Drilling Method:** HSA/Mud Rotary**ENSR** | **AECOM****133-MW2C**

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
73				3		Weak Red (2.5YR 5/2) SILT, some Clay, cohesive, soft, moist. No odor.
			0.0	3		Weak Red (2.5YR 5/2) SILT, little Clay, interbedded trace very fine Silty Sand and Silty Clay, moist, very loose. No odor.
				3		
74			0.0	4		
				4		
75			0.0	WH		
76			0.0	4		
				3		Reddish Gray (2.5YR 5/1) CLAY, some Silt, trace interbedded Weak Red (2.5YR 5/2) very fine Silty Sand, moist, cohesive, soft. No odor.
77			0.0	5		Gray (2.5YR 5/1) CLAY, little Silt, little interbedded Weak Red (10R 5/4) very fine Silty Sand, moist, cohesive, soft. No odor.
				4		
78			0.0	4		
				3		
79			0.0	2		Gray (2.5Y 5/1) Silty CLAY and Weak Red (10R 5/4) very fine Sandy SILT interbedded, cohesive, very soft, moist. No odor.
				4		
80			0.0	3		
				2		
81			0.0	3		

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Client: PPG Industries**Site:** Site 133**Site Location:** Jersey City, NJ**Geologist:** P. Kelly, M. Merdinger**Drilling Company:** Eichelbergers**Driller:** N. Moyer**Drilling Date:** 1/19/2007**Well Completion Date:** 4/10/2007**Elevation:** 11.55**State Plane Coordinates:** X: 682151.3 Y: 610792.2**Drilling Method:** HSA/Mud Rotary

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
82				4		
			0.0	3		
				4		
83			0.0	4		No Recovery
				4		
84				3		
				3		
85			0.0	6		Reddish Brown (2.5YR 5/3) SILT, trace Clay, loose, moist. No odor.
				4		
86				4		No Recovery
				5		
87			0.0	2		Gray (2.5Y 5/1) Silty CLAY and Reddish Brown (2.5Y 5/1) very fine Sandy SILT interbedded, cohesive, very soft, moist. No odor.
				2		
88			0.0	2		
				4		
89			0.0	6		Reddish Brown (2.5YR 5/3) SILT, trace very fine Sand and Clay, interbedded with little Gray (2.5Y 5/1) Silty Clay, moist, loose. No odor.
				3		
90			0.0	4		

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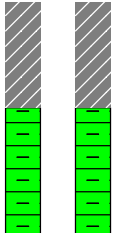
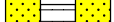
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Client: PPG Industries**Site:** Site 133**Site Location:** Jersey City, NJ**Geologist:** P. Kelly, M. Merdinger**Drilling Company:** Eichelbergers**Driller:** N. Moyer**Drilling Date:** 1/19/2007**Well Completion Date:** 4/10/2007**Elevation:** 11.55**State Plane Coordinates** X: 682151.3 Y: 610792.2**Drilling Method:** HSA/Mud Rotary

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133-MW2C

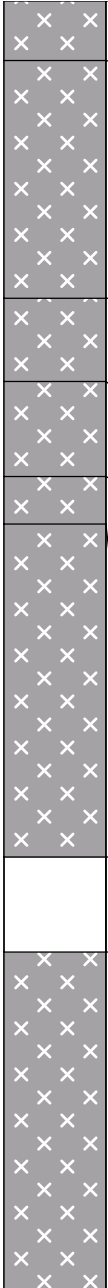
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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
91		#00 Sand Seal	0.0	2		
92		#1 Sand Filter Pack	0.0	3		
93		2 in dia 10-Slot PVC Screen	0.0	7		Reddish Brown (2.5YR 5/3) SILT, some fine to coarse Sand, little fine to coarse angular Gravel interbedded with trace Silty Clay, moist, loose. No odor.
94			0.0	9		No Recovery
95			0.0	22		Reddish Brown (2.5YR 5/3) medium to coarse angular GRAVEL (Mudstone, Sandstone), little Silt and fine to coarse Sand, wet, medium dense. No odor.
96			0.0	11		No Recovery
97			0.0	11		Crushed ROCK at tip of spoon (Sandstone, Diabase, Olivine)
98			0.0	21		No Recovery
99			0.0	29		No Recovery
			0.0	15		No Recovery
			0.0	13		No Recovery
			0.0	15		Crushed ROCK at tip of spoon (Sandstone, Mudstone, Gniess)
			0.0	17		Reddish Brown (2.5YR 5/3) medium to coarse angular GRAVEL, little Silt and fine to coarse Sand, trace Light Gray Clayey Silt, very dense, moist. No odor.
			0.0	23		No Recovery
			0.0	25		No Recovery
			0.0	50/2		Refusal at 99 ft.

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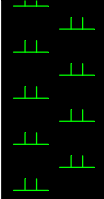
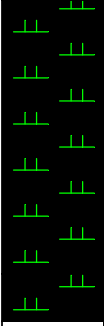



		Client: PPG Industries		BORING ID: 135-B1	
		Site: Site 135			
Start Date: 12/14/2006		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611339.5 Y-682651.8		Depth of Boring: 32.00	
End Date: 1/4/2007		Elevation: 11.62		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		FILL: Coarse GRAVEL.	0.0 ppm		
		FILL: Dark Brown medium SAND, some Silt and fine Gravel, little brick fragments and glass.		135-B1A (0.5-1.0)	Cr+6, TAL Metals
2			0.0 ppm	135-B1B (2.5-3.0)	Cr+6, TAL Metals
		FILL: Gray and Red-orange ASH and SILT, some fine to coarse Gravel, little brick, glass and coal fragments.	0.0 ppm	135-B1C (3.3-3.8)	Cr+6, TAL Metals
		FILL: Gray to Red-orange fine GRAVEL, coarse SAND, little fine gravel-sized Slag.	0.1 ppm		
4		FILL: Pale Olive (5Y 6/3) SILT and fine to coarse SAND, little Clay, angular concrete fragments, 10% COPR, lime green staining, wet, loose. No odor. (Waste Mud)	0.1 ppm	135-B1D (4.5-5.0)	MS/MSD, Cr+6, TAL Metals
		FILL: Grayish-Brown (2.5Y 5/2) SILT, little medium to coarse Sand, some white chalky pieces, rough concrete-like pieces, 10% COPR, trace lime green staining, moist, chalky texture. No odor. (Waste Mud)	0.1 ppm		
			0.1 ppm		
8		NR: No Recovery	0.9 ppm		
		FILL: Grayish-Brown (2.5Y 5/2) SILT, little medium to coarse Sand, some white chalky pieces, rough concrete-like pieces, 10% COPR, trace lime green staining, moist, loose, chalky texture. No odor. (Waste Mud)	0.0 ppm	135-B1E (8.5-9.5)	Cr+6, TAL Metals
10			0.0 ppm		

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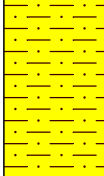
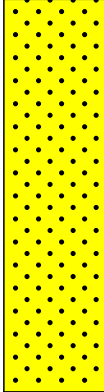
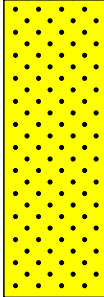
		Client: PPG Industries	BORING ID: 135-B1		
		Site: Site 135			
Start Date: 12/14/2006		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611339.5 Y-682651.8		Depth of Boring: 32.00	
End Date: 1/4/2007		Elevation: 11.62		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

12			0.0 ppm		
		NR: No Recovery			
		FILL: Black-stained organic SILT, moist, medium dense. No odor.	0.3 ppm		
14		PEAT: PEAT (Meadow Mat), Organics, moist, medium stiff. Sulfur odor.	22.9 ppm	135-B1F (12.8-13.3)	Cr+6, TAL Metals
			21.9 ppm		
16		NR: No Recovery			
		PEAT: Very Dark Gray (5YR 3/1) organic CLAY, trace Organics, moist, medium stiff. Sulfur odor.	30.6 ppm		
18			11.8 ppm	135-B1G (17.0-17.5)	Cr+6, TAL Metals
			10.8 ppm		
20		PEAT: PEAT, organic-rich, moist, soft. Sulfur odor.			
		NR: No Recovery			
		PEAT: PEAT, organic-rich, moist, soft. Sulfur odor.	61.4 ppm		
		SILT: Gray (5Y 5/1) SILT, some Clay, moist, medium dense. Sulfur odor.	27.6 ppm	135-B1H (20.6-21.1)	Cr+6, TAL Metals
		SILT: Gray (5Y 5/1) SILT, trace fine Sand, moist,			

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		Client: PPG Industries	BORING ID: 135-B1		
		Site: Site 135			
Start Date: 12/14/2006		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611339.5 Y-682651.8		Depth of Boring: 32.00	
End Date: 1/4/2007		Elevation: 11.62		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

22		medium dense. Sulfur odor.	28.8 ppm		
		SILT: Dark Grayish Brown (2.5Y 4/2) SILT, moist, medium dense. Sulfur odor.	10.2 ppm		
		NR: No Recovery			
24		SAND: Dark Reddish Gray (5YR 4/2) fine to coarse SAND, little Silt, wet, loose. No odor.	10.8 ppm		
			0.0 ppm		
26			0.0 ppm		
			0.0 ppm		
		NR: No Recovery			
28		SAND: Weak Red (2.5YR 4/2) fine to coarse SAND, trace silt, wet, loose. No odor.	0.0 ppm		
			0.0 ppm		
30			0.0 ppm		
		NR: No Recovery			
32		NULL: End of Boring at 32 ft.			

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ENSR AECOM		Client: PPG Industries		BORING ID: 135-B12	
		Site: Site 135			
Start Date: 12/12/2006		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-610828.5 Y-682027.5		Depth of Boring: 28.00	
End Date: 12/19/2006		Elevation: 11.27		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		CONCRETE: CONCRETE			
		FILL: Brown medium SAND and SILT, some fine to coarse Gravel.	0.0 ppm	135-B12A (0.7-1.2)	Cr+6, TAL Metals
			0.0 ppm		
		CONCRETE: Reinforced CONCRETE		135-B12B (1.5-2.0)	Cr+6, TAL Metals
2		FILL: Brown medium SAND, some fine to coarse Gravel, little glass fragements.			
		FILL: Grayish Brown SILT, some fine to medium Gravel.	0.0 ppm	135-B12C (2.9-3.4)	Cr+6, TAL Metals
4		FILL: Brown yellow ASH and fine to coarse Gravel, some ceramics pieces and woody organics.	0.0 ppm	135-B12D (3.4-4.2)	Cr+6, TAL Metals
		FILL: Black SILT, trace CLAY and fine Gravel, moist. No odor.		135-B12E (4.5-5.0)	Cr+6, TAL Metals
		FILL: Pale Red (2.5YR 6/2) and Gray SILT and fine angular Gravel, Fill materials (ceramics, glass), wet. No odor.			
6		NR: No Recovery			
8		FILL: Reddish Brown (5YR 4/3) SILT, little Clay, trace fine rounded Gravel, Sandstone rock at 9.2-9.5 feet, moist. No odor.	0.0 ppm	135-B12EG (8.5-9.0)	Cr+6, TAL Metals
10		NR: No Recovery			

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<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 135-B12	
		Site: Site 135			
Start Date: 12/12/2006		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-610828.5 Y-682027.5		Depth of Boring: 28.00	
End Date: 12/19/2006		Elevation: 11.27		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

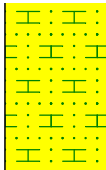
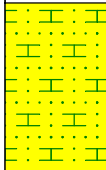
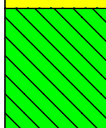
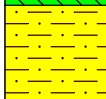
12		PEAT: PEAT (Meadow Mat), moist, firm. Sulfur odor.	2.0 ppm	135-B12F (12.0-13.0)	Cr+6, TAL Metals
		PEAT: Dark Reddish Gray (2.5YR N3/0) organic CLAY, moist, firm. Sulfur odor.	7.8 ppm		
14			4.2 ppm		
		NR: No Recovery			
16		PEAT: Dark Reddish Gray (2.5YR N3/0) organic CLAY, moist, firm. Sulfur odor.	5.2 ppm	135-B12G (16.0-16.5)	Cr+6, TAL Metals
			1.8 ppm		
			0.2 ppm		
18		SAND AND SILT: Greenish Gray (5GY 5/1) SILT and very fine SAND, trace Organics, moist. Sulfur odor.		135-B12H (18.7-19.2)	Cr+6, TAL Metals
20		NR: No Recovery	0.0 ppm		
		SILT AND CLAY: Dark Gray (5GY 4/1) SILTY CLAY, some very fine Sand, wet, plastic properties. No odor.	0.0 ppm		

NOTES:

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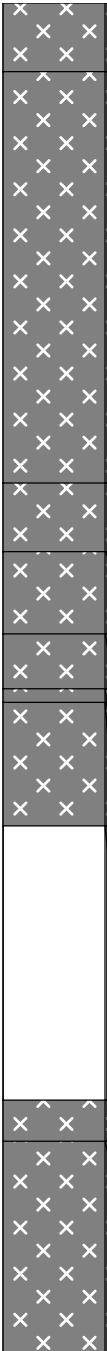

<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 135-B12	
		Site: Site 135			
Start Date: 12/12/2006		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-610828.5 Y-682027.5		Depth of Boring: 28.00	
End Date: 12/19/2006		Elevation: 11.27		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

22		NR: No Recovery	0.0 ppm	135-B12I (22.5-23.0)	Cr+6, TAL Metals
24		SILT AND CLAY: Dark Gray (5GY 4/1) SILTY CLAY, some very fine Sand, wet, plastic properties. No odor.	0.0 ppm		
			0.1 ppm		
26		CLAY: Dark Gray (5Y 4/1) CLAY, trace very fine Sand, moist, firm. No odor.	0.1 ppm	135-B12J (26.5-27.0)	Cr+6, TAL Metals
28		SILT: Dark Reddish Brown (5YR 3/4) SILT, little very fine Sand, trace Clay, moist, firm. No odor.			
			NULL: End of Boring at 28 ft.		

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ENSR AECOM		Client: PPG Industries		BORING ID: 135-B13	
		Site: Site 135			
Start Date: 12/12/2006		Project: Site Investigation		Page: 1 of 4	
		Coordinates: X-610895.3 Y-682090.1		Depth of Boring: 36.00	
End Date: 12/20/2006		Elevation: 11.14		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: Black Topsoil, some roots, little fine Gravel.	0.2 ppm	135-B13A (0.0-0.5)	Cr+6, TAL Metals
		FILL: Brown coarse SAND, some fine Gravel.			
				135-B13B (1.0-1.5)	Cr+6, TAL Metals
			0.0 ppm		
		FILL: Dark Grayish Red ASH and SILT, some fine to coarse Gravel, little ceramic pieces, moist.		135-B13C (3.7-4.1)	Cr+6, TAL Metals
		FILL: Reddish Gray (5YR 5/2) SILT and fine angular Gravel, Fill materials (concrete, ceramics, shells), wet. No odor.	0.1 ppm	135-B13D (4.2-5.3)	Cr+6, TAL Metals
		FILL: Reddish Brown (5YR 4/3) SILT, little coarse Sand, moist. No odor.	0.2 ppm		
		FILL: Sandstone (cobble)			
		FILL: Brown (7.5YR 4/3) SILT, little coarse Sand and Clay, slight dark green staining, wet. No odor.			
		NR: No Recovery			
8		FILL: Brown (7.5YR 4/3) SILT, little coarse Sand and Clay, slight dark green staining, wet. No odor.	0.0 ppm		
		FILL: Brown (7.5YR 5/3) SILTY CLAY, some medium to coarse Sand, little fine rounded Gravel, wet, loose. No odor.	0.0 ppm	135-B13E (8.5-9.5)	Cr+6, TAL Metals
				135-B13ED (8.5-9.5)	

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<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 135-B13	
		Site: Site 135			
Start Date: 12/12/2006		Project: Site Investigation		Page: 2 of 4	
		Coordinates: X-610895.3 Y-682090.1		Depth of Boring: 36.00	
End Date: 12/20/2006		Elevation: 11.14		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

10			0.0 ppm		
		NR: No Recovery			
12		FILL: Brown (7.5YR 5/3) SILTY CLAY, some medium to coarse Sand, little fine rounded Gravel, wet, loose. No odor.	0.0 ppm		
			0.0 ppm		
14		FILL: Dark Reddish Brown (5YR 3/4) SILTY CLAY, trace fine Gravel, moist, firm. No odor.	0.0 ppm	135-B13F (13.5-14.0)	Cr+6, TAL Metals
		FILL: Reddish Brown (5YR 5/3) SILT, some fine to medium Sand, trace Clay, wet to moist, semi-firm. No odor.	0.0 ppm		
		NR: No Recovery			
16		FILL: Reddish Brown (5YR 4/4) SILTY CLAY, trace fine rounded Gravel, moist, firm. No odor.	0.0 ppm		
			0.0 ppm		
18		PEAT: PEAT, organics, moist, firm. Sulfur odor.	0.8 ppm	135-B13G (17.6-18.1)	Cr+6, TAL Metals
		NR: No Recovery			

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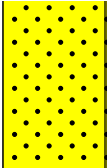
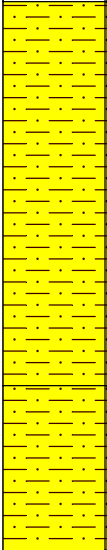
<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 135-B13	
		Site: Site 135			
Start Date: 12/12/2006		Project: Site Investigation		Page: 3 of 4	
		Coordinates: X-610895.3 Y-682090.1		Depth of Boring: 36.00	
End Date: 12/20/2006		Elevation: 11.14		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

20		PEAT: PEAT, organics, moist, firm. Sulfur odor.	18.7 ppm		
		PEAT: Very Dark Gray (5Y 3/1) organic CLAY, little organics, trace fine Sand interbedded, moist, firm. Sulfur odor.	16.0 ppm		
22			26.6 ppm	135-B13H (21.5-22.5)	MS/MSD, Cr+6, TAL Metals
			30.6 ppm		
24		NR: No Recovery			
		SILTY SAND: Very Dark Gray (Gley N3/0) SILTY very fine SAND, little Clay, wet, loose. Slight sulfur odor.	4.6 ppm	135-B13I (24.0-24.5)	Cr+6, TAL Metals
26			2.5 ppm		
		SILT AND CLAY: Dark Gray (7.5YR 4/1) SILTY CLAY, moist, firm. Slight sulfur odor.	26.2 ppm		
28		SANDY SILT: Grayish Brown (10YR 5/2) SILT, some very fine Sand, little interbedded Clay, moist, firm. No odor.	2.3 ppm		
		SILT AND CLAY: Grayish Brown (10YR 5/2) SILTY CLAY, little interbedded medium to coarse Sand, moist, semi-firm. No odor.			
		NR: No Recovery	3.8 ppm	135-B13J (28.0-28.5)	Cr+6, TAL Metals
		SILT AND CLAY: Grayish Brown (10YR 5/2) SILTY CLAY, little interbedded medium to coarse Sand, moist, semi-firm. Sulfur odor.	0.0 ppm		
		CLAY: Gray (Gley N5/0) CLAY, firm. No odor.			

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG Industries	BORING ID: 135-B13		
		Site: Site 135			
Start Date: 12/12/2006	Project: Site Investigation		Page: 4 of 4		
	Coordinates: X-610895.3 Y-682090.1		Depth of Boring: 36.00		
End Date: 12/20/2006	Elevation: 11.14		Geologist: P. Kelly, M. Merdinger		
	Drill Subcontractor: EB/TPI		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

30		SAND: Weak Red (10R 4/4) fine to coarse SAND, little rounded Gravel, trace Silt, wet. No odor.	0.0 ppm		
		NR: No Recovery			
32		SILT: Weak Red (10R 4/4) fine SANDY SILT, wet, loose. No odor.	0.0 ppm	135-B13K (32.0-32.5)	Cr+6, TAL Metals
			0.0 ppm		
34			0.0 ppm		
		SILT: Weak Red (10R 4/4) SILT, moist, firm. No odor.	0.0 ppm		
36		NULL: End of Boring at 36 ft.			

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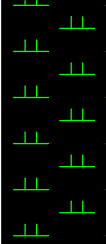
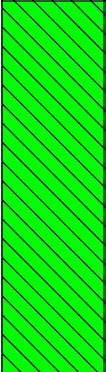
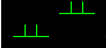
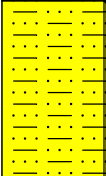
ENSR AECOM		Client: PPG Industries		BORING ID: 135-B14	
		Site: Site 135			
Start Date: 12/12/2006		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611058.0 Y-682231.8		Depth of Boring: 32.00	
End Date: 12/20/2006		Elevation: 11.77		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		CONCRETE: CONCRETE			
		FILL: Black Stained Brown coarse SAND and SILT, some fine to medium Gravel.	1.1 ppm	135-B14A (0.8-1.3)	Cr+6, TAL Metals
2		FILL: Brick fragments.	0.6 ppm	135-B14B (2.9-3.4)	Cr+6, TAL Metals
		FILL: Black-Gray coarse SAND, some fine to medium Gravel, little ceramic pieces.	0.0 ppm	135-B14C (3.4-3.8)	Cr+6, TAL Metals
4		FILL: Dark Gray (10YR 4/1) SILT and coarse SAND, Fill materials (ceramics, glass, ash, crushed rocks), slight olive green/marigold staining, moist. No odor.	0.0 ppm		
		FILL: Grayish Brown (10YR 5/2) SILTY CLAY, slight olive green/marigold staining, brick pieces, firm, moist. No odor.	0.1 ppm	135-B14D (4.6-5.0)	Cr+6, TAL Metals
6		NR: No Recovery			
8		FILL: Dark Reddish Gray (5YR 4/2) SILT, some medium to coarse Sand, trace Clay, wet, loose. No odor.	0.0 ppm	135-B14E (8.5-9.0)	Cr+6, TAL Metals
			0.0 ppm		
10		FILL: Reddish Brown (5YR 4/3) SILT and fine SAND interbedded, moist, firm. No odor.	0.1 ppm		
		NR: No Recovery			

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ENSR AECOM		Client: PPG Industries		BORING ID: 135-B14	
		Site: Site 135			
Start Date: 12/12/2006		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611058.0 Y-682231.8		Depth of Boring: 32.00	
End Date: 12/20/2006		Elevation: 11.77		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Reddish Brown (5YR 4/3) SILTY CLAY, trace fine Sand and medium Gravel, moist to wet, semi-firm. No odor.	0.0 ppm		
		PEAT: PEAT, organics, moist, firm. Sulfur odor.	0.1 ppm	135-B14F (12.8-13.3)	Cr+6, TAL Metals
14			3.3 ppm		
		NR: No Recovery			
16		CLAY: Very Dark Gray (5Y 3/1) organic CLAY, little organic PEAT, moist, firm. Sulfur odor.	2.9 ppm		
			6.8 ppm	135-B14G (17.0-17.5)	Cr+6, TAL Metals
18			2.9 ppm		
		NR: No Recovery			
20		PEAT: PEAT, organics, moist, firm. Sulfur odor.	22.4 ppm		
		SANDY SILT: Gray (Gley N5/0) very fine SANDY SILT, some Clay, wet, loose. No odor.	2.8 ppm	135-B14H (20.4-20.9)	Cr+6, TAL Metals

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<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 135-B14	
		Site: Site 135			
Start Date: 12/12/2006		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611058.0 Y-682231.8		Depth of Boring: 32.00	
End Date: 12/20/2006		Elevation: 11.77		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

22			2.8 ppm		
			1.3 ppm		
		SILTY SAND: Gray (Gley N5/0) SILTY fine to medium SAND, wet. No odor.			
24		NR: No Recovery	0.1 ppm		
		SANDY SILT: Gray (Gley N5/0) very fine SANDY SILT, some Clay, wet, loose. No odor.		135-B14I (24.5-25.0)	Cr+6, TAL Metals
			0.1 ppm		
26		SAND: Dark Gray (10YR 4/1) very fine to fine SAND, little SILT, moist to wet, semi-firm. No odor.	0.4 ppm		
			0.1 ppm		
28		NR: No Recovery	0.0 ppm		
		SAND: Weak Red (10R 4/2) medium to coarse SAND and fine rounded GRAVEL, some Silt, trace Clay, wet, loose. No odor.		135-B14J (28.5-29.0)	Cr+6, TAL Metals
		CLAY: Reddish Gray (10R 5/1) CLAY, trace fine Sand, moist, firm. No odor.	0.0 ppm		
30		SAND AND SILT: Weak Red (10R 4/2) coarse SAND and SILT, little Clay, wet, semi-firm. No odor.	0.0 ppm		
		SAND: Weak Red (10R 4/2) very fine to fine SAND, trace silt, wet. No odor.			
		NR: No Recovery			
32		NULL: End of Boring at 32 ft.			

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ENSR AECOM		Client: PPG Industries		BORING ID: 135-B15		
		Site: Site 135				
Start Date: 12/12/2006		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-611127.9 Y-682298.4		Depth of Boring: 32.00		
End Date: 12/22/2006		Elevation: 12.09		Geologist: P. Kelly, M. Merdinger		
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		ASPHALT: ASPHALT			
	x x x	FILL: Dark Brown coarse SAND and SILT, some fine to coarse Gravel, small cobbles.	0.0 ppm	135-B15A (0.6-1.1)	Cr+6, TAL Metals
2	x x x				
	x x x	FILL: Gray-Black ASH and SILT, some fine Gravel, little ceramic pieces.	1.8 ppm	135-B15B (2.2-2.7)	Cr+6, TAL Metals
	x x x				
4	x x x	FILL: Black SILT, some fine Gravel, little debris. Slight petro odor.	3.2 ppm	135-B15C (4.2-4.5)	Cr+6, TAL Metals
	x x x	FILL: Dark Reddish Gray SILT, little coarse Sand and Clay, Fill material (stones, brick), wet, semi-firm to loose. No odor	0.0 ppm		
6		NR: No Recovery	0.0 ppm		
8	x x x	FILL: Brown (7.5YR 4/2) SILTY CLAY, little fine Sand, trace coarse Gravel, wet, semi-firm. No odor.	0.0 ppm	135-B15D (8.0-8.5)	MS/MSD, Cr+6, TAL Metals
	x x x		0.0 ppm		
10	x x x	FILL: Brown (7.5YR 4/2) SILT, little coarse Sand and medium angular Gravel, wet, loose. No odor.	0.0 ppm		
	x x x				
		NR: No Recovery			

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ENSR AECOM		Client: PPG Industries			BORING ID: 135-B15		
		Site: Site 135					
Start Date: 12/12/2006		Project: Site Investigation			Page: 2 of 3		
		Coordinates: X-611127.9 Y-682298.4			Depth of Boring: 32.00		
End Date: 12/22/2006		Elevation: 12.09			Geologist: P. Kelly, M. Merdinger		
		Drill Subcontractor: EB/TPI			Driller: Heath Kneller		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

12		FILL: Brown (5YR 4/3) very fine SANDY SILT, little coarse Sand and medium angular Gravel, wet, loose. No odor.	0.0 ppm	135-B15E (12.0-12.5)	Cr+6, TAL Metals
			0.0 ppm		
14		PEAT: PEAT, organics, moist, firm. Sulfur odor.	4.7 ppm	135-B15F (13.7-14.2)	Cr+6, TAL Metals
16		CLAY: Very Dark Gray (5Y 3/1) organic CLAY, little organics, moist, firm. Slight sulfur odor.	5.8 ppm		
			5.6 ppm		
			32.3 ppm	135-B15G (17.5-18.0)	Cr+6, TAL Metals
			4.3 ppm		
20		CLAY: Very Dark Gray (5Y 3/1) organic CLAY, little organics, moist, firm. Slight sulfur odor.	11.4 ppm		
			16.3 ppm	135-B15H (21.5-22.0)	Cr+6, TAL Metals

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<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 135-B15	
		Site: Site 135			
Start Date: 12/12/2006		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611127.9 Y-682298.4		Depth of Boring: 32.00	
End Date: 12/22/2006		Elevation: 12.09		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

22			12.8 ppm		
		SANDY SILT: Gray (2.5Y 5/1) very fine SANDY SILT, moist, firm. Slight sulfur odor.		135-B15I (23.0-23.5)	Cr+6, TAL Metals
24		NR: No Recovery	1.6 ppm		
		SAND: Very Dark Gray (5Y 3/1) fine to medium SAND, little silt, wet. Slight sulfur odor.			
		SILTY SAND: Very Dark Gray (5Y 3/1) SILTY fine to medium SAND, little silt, wet, loose. Slight sulfur odor.	2.6 ppm		
26			0.2 ppm		
			0.0 ppm	135-B15J (27.0-27.5)	Cr+6, TAL Metals
28		SILT: Dark Brown (10YR 3/3) organic SILT, organics-roots heavily, moist, semi-firm. Sulfur odor.	0.0 ppm		
		CLAY AND SAND: Dark Gray (2.5Y 4/1) SANDY CLAY, moist, firm. No odor.	0.0 ppm		
		CLAY AND SAND: Dark Gray (2.5Y 4/1) SANDY CLAY, moist, firm. No odor.	0.0 ppm		
30		SAND: Weak Red (10YR 4/3) fine to coarse SAND, trace Silt, wet, loose. No odor.	0.0 ppm	135-B15J (31.0-31.5)	Cr+6, TAL Metals
32		NULL: End of Boring at 32 ft.	0.0 ppm		

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<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 135-B16	
		Site: Site 135			
Start Date: 12/13/2006		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611271.1 Y-682434.4		Depth of Boring: 32.00	
End Date: 12/22/2006		Elevation: 11.28		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		ASPHALT: ASPHALT	0.0 ppm		
		FILL: Gray coarse GRAVEL		135-B16A (0.7-1.2)	Cr+6, TAL Metals
		FILL: Dark Gray SILT and ASH, some fine Gravel, little brick fragments.	0.0 ppm		
2		FILL: Gray Brick and Cobbles.		135-B16B (2.0-2.4)	MS/MSD, Cr+6, TAL Metals
		FILL: Black SILT, some coarse Sand, little fine Gravel and brick fragments.	2.4 ppm		
		FILL: Dark Gray SILT, some Clayey fine Gravel, little woody organics. Slight petroleum odor.		135-B16C (4.2-4.6)	Cr+6, TAL Metals
		FILL: Very Dark Grayish Brown (10YR 3/2) SILTY CLAY, trace coarse Sand, moist, semi-firm. Rubber odor.	0.0 ppm		
6		FILL: Reddish Brown (10YR 4/3) SILT, some medium to coarse Sand, trace Clay, wet, loose. Rubber odor.	0.0 ppm		
		NR: No Recovery			
8		FILL: Reddish Brown (2.5YR 4/3) SILTY CLAY, trace fine rounded Gravel, moist, firm. No odor.	0.0 ppm	135-B16D (8.0-8.5)	Cr+6, TAL Metals
		FILL: Reddish Brown (5YR 4/3) SANDY SILT, little Clay and fine angular Gravel, wet, loose. No odor.	0.0 ppm		
10		NR: No Recovery			

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12	<div><div><div></div><div></div></div></div>	FILL: Red COBBLE	0.0 ppm		Cr+6, TAL Metals
	<div><div><div></div><div></div></div></div>	PEAT: PEAT, organics, moist, firm. Sulfur odor.		135-B16E (12.2-13.2)	
	<div><div><div></div><div></div></div></div>	PEAT: Dark Gray (Gley N4/0) organic CLAY, little organics, moist, firm. Sulfur odor.		135-B16ED (12.2-13.2)	
	<div><div><div></div><div></div></div></div>				
	<div><div><div></div><div></div></div></div>				
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	<div><div><div></div><div></div></div></div>				
	<div><div><div></div><div></div></div></div>				
14			0.2 ppm		
			0.2 ppm		
			0.5 ppm		
16		NR: No Recovery			
	<div><div><div></div><div></div></div></div>	PEAT: Dark Gray (Gley N4/0) organic CLAY, little organics, moist, firm. Sulfur odor.		135-B16F (16.2-16.7)	Cr+6, TAL Metals
	<div><div><div></div><div></div></div></div>				
18	<div><div><div></div><div></div></div></div>				
	<div><div><div></div><div></div></div></div>				
	<div><div><div></div><div></div></div></div>				
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	<div><div><div></div><div></div></div></div>				
	<div><div><div></div><div></div></div></div>				
	<div><div><div></div><div></div></div></div>				
20	<div><div><div></div><div></div></div></div>		0.1 ppm	135-B16G (20.0-20.5)	Cr+6, TAL Metals
	<div><div><div></div><div></div></div></div>				
	<div><div><div></div><div></div></div></div>	SILTY SAND: Gray (5Y 5/1) medium to coarse SILTY SAND, little to trace Clay, wet, semi-firm to loose. Slight sulfur odor.	0.7 ppm	135-B16H (20.9-21.4)	Cr+6, TAL Metals
	<div><div><div></div><div></div></div></div>				

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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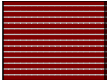


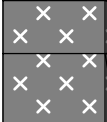


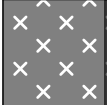
<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 135-B16	
		Site: Site 135			
Start Date: 12/13/2006		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611271.1 Y-682434.4		Depth of Boring: 32.00	
End Date: 12/22/2006		Elevation: 11.28		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

22			1.6 ppm		
		NR: No Recovery	1.5 ppm		
24		SILTY SAND: Gray (5Y 5/1) medium to coarse SILTY SAND, little to trace Clay, wet, loose. No odor.	0.5 ppm		
		SILTY SAND: Gray (5Y 5/1) very fine SILTY SAND, wet, loose. No odor.	0.6 ppm		
26		SILT: Dusky Red (2.5YR 3/2) SILT, trace very fine Sand and Clay, firm, moist, wood at 25.0-25.1 feet. No odor.	0.0 ppm	135-B16I (25.5-26.0)	Cr+6, TAL Metals
		NR: No Recovery	0.0 ppm		
28		SAND: Weak Read (10R 4/3) medium to coarse SAND, interbedded Gray CLAY at 29.2 to 30.2 feet, trace Silt, wet, loose. No odor.	0.0 ppm		
			0.0 ppm	135-B16J (29.0-29.5)	Cr+6, TAL Metals
30		SAND: Weak Read (10R 4/3) medium to coarse SAND, trace Silt, wet, loose. No odor.	0.0 ppm		
			0.0 ppm		
32		NULL: End of Boring at 32 ft.			

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ENSR AECOM		Client: PPG Industries		BORING ID: 135-B17	
		Site: Site 135			
Start Date: 12/13/2006		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611334.9 Y-682503.1		Depth of Boring: 28.00	
End Date: 12/21/2006		Elevation: 11.09		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		ASPHALT: ASPHALT			
		FILL: Gray medium COBBLES	0.4 ppm	135-B17A (0.9-1.4)	Cr+6, TAL Metals
		FILL: Light Brown CLAY and SILT, some fine Gravel, brick and glass fragments.			
2		FILL: Dark Brown coarse SAND, some Silt and Clay, little fine Gravel, brick, glass and coal fragments.	0.0 ppm	135-B17B (2.3-2.8)	Cr+6, TAL Metals
4		FILL: Very Dark Gray (10YR 3/1) SILT, little medium Sand and Clay, Fill material (Ash, Ceramics), wet, firm. No odor.	0.7 ppm	135-B17C (4.0-4.5)	Cr+6, TAL Metals
		FILL: Reddish Brown (2.5YR 4/3) SILT, little medium Sand, trace Clay and medium Gravel, wet, semi-firm. No odor.	0.2 ppm		
6		NR: No Recovery	0.3 ppm		
8		FILL: Brown (7.5YR 5/2) and Gray mottled CLAY, little Silt, trace coarse Sand, moist, firm, slight yellow staining. No odor.	0.0 ppm	135-B17D (8.0-8.5)	Cr+6, TAL Metals
			0.0 ppm		
10		FILL: Brown (7.5 YR 4/3) SILT, little coarse Sand, trace fine angular Gravel and Clay, wet, loose. No odor.	0.3 ppm		

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<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 135-B17		
		Site: Site 135				
Start Date: 12/13/2006		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611334.9 Y-682503.1		Depth of Boring: 28.00		
End Date: 12/21/2006		Elevation: 11.09		Geologist: P. Kelly, M. Merdinger		
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Reddish Brown (5YR 4/3) fine to medium SAND and SILT, trace fine Gravel, wet, loose. No odor.	0.0 ppm	135-B17E (120-13.0)	Cr+6, TAL Metals
			0.0 ppm	135-B17ED (120-13.0)	
14		FILL: Reddish Brown (5YR 4/3) fine to medium SAND and SILT, trace fine Gravel, wet, loose. No odor.	0.0 ppm		
			0.0 ppm		
16		PEAT: PEAT, organics, moist, firm. Sulfur odor.	3.5 ppm	135-B17F (14.9-15.4)	Cr+6, TAL Metals
			1.1 ppm		
18		PEAT: PEAT, organics, moist, firm. Sulfur odor.	3.9 ppm		
			12.4 ppm		
20		SAND: Gray (5Y 5/1) very fine SAND, little Silt, wet, semi-firm. Sulfur odor.	14.8 ppm	135-B17G (18.8-19.3)	Cr+6, TAL Metals
			6.8 ppm		

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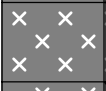




<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG Industries	BORING ID: 135-B17		
		Site: Site 133			
Start Date: 12/13/2006		Project: Site Investigation	Page: 3 of 3		
		Coordinates: X-611334.9 Y-682503.1	Depth of Boring: 28.00		
End Date: 12/21/2006		Elevation: 11.09	Geologist: P. Kelly, M. Merdinger		
		Drill Subcontractor: EB/TPI	Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

<div> <div>22</div> <div>24</div> <div>26</div> <div>28</div> </div>		SILT, little to trace Clay, wet, loose. Sulfur odor.	33.0 ppm		
			10.0 ppm		
			4.0 ppm	135-B17H (23.0-23.5)	Cr+6, TAL Metals
		SILT: Gray (5Y 5/1) SILT, trace very fine Sand, moist, firm. No odor.			
		NR: No Recovery	4.8 ppm		
		CLAY AND SAND: Dark Gray (7.5YR 4/1) SANDY CLAY, little Silt, moist, firm. No odor.			
			4.0 ppm		
		SANDY SILT: Dark Gray (7.5YR 4/1) SANDY SILT, little fine rounded Gravel, wet, loose. No odor.			
			0.0 ppm		
		CLAY AND SAND: Dark Gray (7.5YR 4/1) CLAY, interbedded Dark Reddish Brown (2.5YR 3/4) fine Sand and fine pebbles, wet, firme. No odor.		135-B17I (26.5-27.0)	Cr+6, TAL Metals
		SAND: Weak Red (10R 4/3) fine to medium SAND, trace Silt, wet, loose. No odor.			
		NR: No Recovery			
		NULL: End of Boring at 28 ft.			

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<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 135-B18		
		Site: Site 135				
Start Date: 12/13/2006		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-611416 Y-682568		Depth of Boring: 28.00		
End Date: 12/21/2006		Elevation: 10.34		Geologist: P. Kelly, M. Merdinger		
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		ASPHALT: ASPHALT			
		FILL: Gray coarse GRAVEL.	0.1 ppm	135-B18A (0.6-1.1)	Cr+6, TAL Metals
		FILL: Black SILT, some medium Sand, little fine Gravel.			
2		FILL: Light Brown SILT and CLAY, little fine Gravel and woody organics.	1.3 ppm	135-B18B (2.8-3.3)	Cr+6, TAL Metals
		FILL: Gray to Black ASH, some Silt and medium Sand, little woody organics.	2.7 ppm	135-B18C (4.1-4.6)	Cr+6, TAL Metals
4		FILL: Reddish Brown (5YR 4/3) SILT, little to trace very fine Sand, trace fine angular pebbles, Fill material, dry, firm. No odor.	0.2 ppm		
		FILL: Reddish Brown (5YR 4/3) SILT, some very fine to medium Sand, little medium Gravel and Clay, wet, loose to semi-firm. No odor.			
6		NR: No Recovery			
8		FILL: Reddish Brown (5YR 4/3) fine SAND, little to trace Silt, wet, semi-firm. No odor.	0.1 ppm	135-B18D (8.0-8.5)	Cr+6, TAL Metals
		NR: No Recovery			
10					

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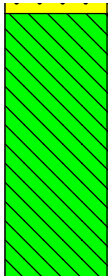
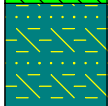
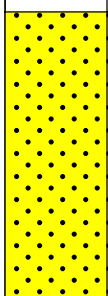
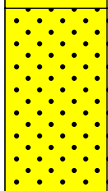
<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 135-B18	
		Site: Site 135			
Start Date: 12/13/2006		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611416 Y-682568		Depth of Boring: 28.00	
End Date: 12/21/2006		Elevation: 10.34		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Brown (7.5 YR 4/3) fine to coarse SAND and SILT, little to trace Clay, wet, semi-firm. No odor.	0.0 ppm	135-B18E (12.0-13.0)	MS/MSD, Cr+6, TAL Metals
		FILL: Gray COBBLE	0.4 ppm	135-B18F (13.2-13.7)	Cr+6, TAL Metals
14		PEAT: PEAT, organics, moist, firm. Sulfur odor.	144.0 ppm		
		NR: No Recovery			
16		PEAT: Very Dark Gray (5Y 3/1) organic CLAY, little organics, moist, firm. Sulfur odor.	146.0 ppm	135-B18G (16.2-16.7)	Cr+6, TAL Metals
		PEAT: PEAT, organics, moist, firm. Sulfur odor.	187.0 ppm		
18		SAND: Gray (Gley N5/0) SAND, little Clay, trace Silt, moist, firm. Sulfur odor.	33.6 ppm	135-B18H (17.5-18.0)	Cr+6, TAL Metals
		NR: No Recovery			
20		SAND: Gray (Gley N5/0) SAND, little Clay, trace Silt,	0.5 ppm		

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<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 135-B18		
		Site: Site 135				
Start Date: 12/13/2006		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611416 Y-682568		Depth of Boring: 28.00		
End Date: 12/21/2006		Elevation: 10.34		Geologist: P. Kelly, M. Merdinger		
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

22		wet, loose. Slight sulfur odor.	0.0 ppm	135-B18I (21.5-22.0)	Cr+6, TAL Metals
		CLAY: Gray (Gley N5/0) CLAY, little Silt, dry, firm. No odor.			
24		CLAY AND SAND: Gray (Gley N5/0) SANDY CLAY, wet, semi-firm. No odor.	0.0 ppm		
		NR: No Recovery			
26		SAND: Gray (Gley N5/0) fine to coarse SAND, trace Silt, wet, loose. No odor.	0.0 ppm	135-B18J (25.5-26.0)	Cr+6, TAL Metals
28		SAND: Dark Reddish Gray (10R 4/1) fine to medium SAND, trace Silt, wet, loose. No odor.	0.0 ppm		
		NR: No Recovery			
		NULL: End of Boring at 28 ft.			

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<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 135-B19	
		Site: Site 135			
Start Date: 12/13/2006		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611417.0 Y-682651.9		Depth of Boring: 32.00	
End Date: 1/2/2007		Elevation: 11.11		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		ASPHALT: ASPHALT			
		FILL: Gray fine COBBLES.			
		FILL: Brown coarse SAND, some Silt and Clay, little fine Gravel.	0.0 ppm	135-B19A (1.1-1.8)	Cr+6, TAL Metals
2		FILL: Grey fine COBBLES	1.4 ppm	135-B19B (2.1-2.6)	Cr+6, TAL Metals
		FILL: Gray-Brown ASH, some fine Gravel, little woody organics. Heavy petroleum odor.			
		FILL: Red Brick pieces		135-B19C (3.3-3.8)	Cr+6, TAL Metals
4		FILL: Black-Gray ASH, some fine Gravel, little brick fragments.	0.0 ppm		
		FILL: Dark Grayish Brown, (2.5Y 4/2) SILT and ASH, Fill materials (shells, clinkers, wood particles), wet, loose. No odor.	0.0 ppm	135-B19D (5.1-5.6)	Cr+6, TAL Metals
6		FILL: Black and Dark Grayish Brown (2.5Y 4/2) SILTY CLAY, trace coarse Sand and Topsoil, moist, firm.	0.0 ppm		
		NR: No Recovery			
8		FILL: Dark Grayish Brown (10YR 4/2) SAND CLAY, little Silt, wet, semi-firm. No odor.	0.0 ppm		
		FILL: Black medium SANDY SILT, Fill material, little interbedded Clay, wet, loose. No odor.	0.0 ppm		
10		FILL: Dark Yellowish Brown (10YR 4/4) SANDY SILT, trace Clay, moist, semi-firm. No odor.	0.1 ppm	135-B19E (9.4-9.9)	Cr+6, TAL Metals
		NR: No Recovery			

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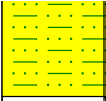
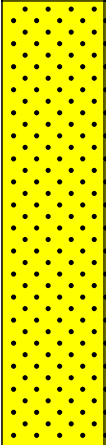
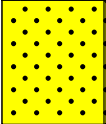
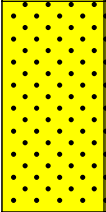
<div>ENSR AECOM</div>		Client: PPG Industries			BORING ID: 135-B19		
		Site: Site 135					
Start Date: 12/13/2006		Project: Site Investigation			Page: 2 of 3		
		Coordinates: X-611417.0 Y-682651.9			Depth of Boring: 32.00		
End Date: 1/2/2007		Elevation: 11.11			Geologist: P. Kelly, M. Merdinger		
		Drill Subcontractor: EB/TPI			Driller: Heath Kneller		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

12		FILL: Dark Yellowish Brown (10YR 4/4) SANDY SILT, trace Clay and fine semi-rounded Gravel, wet, loose.	0.0 ppm		
			0.0 ppm	135-B19F (13.2-13.7)	MS/MSD, Cr+6, TAL Metals
14		NR: No Recovery	28.1 ppm		
16		PEAT: Dark Gray (Gley N4/0) organic CLAY, some organics, moist, firm. Sulfur odor.	34.8 ppm		
			30.0 ppm	135-B19G (17.2-18.2) 135-B19GD (17.2-18.2)	Cr+6, TAL Metals
18		SILT AND CLAY: Black and Dusky Red (2.5YR 3/2) organic SILTY CLAY, trace organics, moist, semi-firm. Sulfur odor.	164.0 ppm		
			389.0 ppm		
20		NR: No Recovery	54.0 ppm	135-B19H (20.2-20.7)	Cr+6, TAL Metals
			2.1 ppm		
		SILTY SAND: Gray (5Y 5/1) very fine SILTY SAND, trace Clay, moist, semi-firm (native). Slight sulfur odor.			

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







ENSR AECOM		Client: PPG Industries		BORING ID: 135-B19		
		Site: Site 135				
Start Date: 12/13/2006		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611417.0 Y-682651.9		Depth of Boring: 32.00		
End Date: 1/2/2007		Elevation: 11.11		Geologist: P. Kelly, M. Merdinger		
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

22		CLAYEY SAND: Gray (5Y 6/1) medium to coarse SAND, some to little Clay, trace fine semi-rounded Gravel, moist, firm. Slight naptha odor.	6.6 ppm		
		NR: No Recovery	0.0 ppm		
24		SAND: Dark Gray (10YR 4/1) fine to coarse SAND, trace fine to medium rounded Pebbles, wet, loose to semi-firm. No odor.	0.0 ppm	135-B19I (24.2-24.7)	Cr+6, TAL Metals
			0.0 ppm		
26			0.0 ppm		
			0.0 ppm		
28		NR: No Recovery	0.0 ppm	135-B19J (28.2-28.7)	Cr+6, TAL Metals
		SAND: Reddish Gray (5YR 5/2) very fine to medium SAND, wet, semi-firm. No odor.	0.0 ppm		
		SAND: Reddish Brown (5YR 5/4) very fine SAND, little to trace Silt, wet, semi-firm. No odor.	0.0 ppm		
30			0.0 ppm		
		NR: No Recovery			
32		NULL: End of Boring at 28 ft.			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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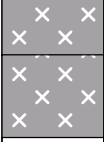
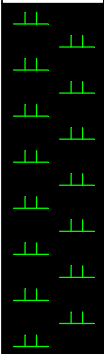
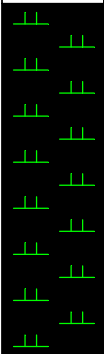
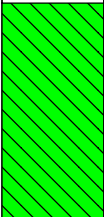
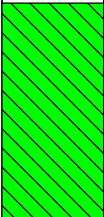
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		Site: Site 135			
Start Date: 12/14/2006		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611196.6 Y- 682514.8		Depth of Boring: 32.00	
End Date: 1/3/2007		Elevation: 11.35		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		FILL: Topsoil.	0.0 ppm		
		FILL: Wood planks and coarse Gravel.		135-B2A (0.9-1.4)	Cr+6, TAL Metals
		FILL: Dark Brown coarse SAND, some fine Gravel, little glass peices.			
2		FILL: Gray coarse SAND, ASH, some fine Gravel, little glass pieces, trace roots	0.0 ppm	135-B2B (2.1-2.6)	Cr+6, TAL Metals
		FILL: Black stained, Brown fine to coarse GRAVEL, some Ash, organics, wet. Strong coal tar odor.	16.4 ppm	135-B2C(3.4-3.8)	Cr+6, TAL Metals
4		FILL: Very dark Gray (7.5YR 3/1) medium to coarse SAND, little Silt, wet. Slight naptha odor.	7.6 ppm		
			20.1 ppm	135-B2D (4.5-5.0)	Cr+6, TAL Metals
		FILL: Brown (7.5YR 4/2) SILT, some large wood pieces, wet, loose. No odor.	3.7 ppm		
6		FILL: Gray (7.5YR 5/1) ASH, some Fill materials (ceramics, tile, coal, glass), trace Silt and Clay, wet, loose. No odor.	0.5 ppm		
		NR: No Recovery			
8		FILL: Gray (7.5YR 5/1) ASH, some heavily broken mixed Fill materials (metal, wood pieces, shell fragments), trace Silt and Clay, wet, loose. No odor.	0.0 ppm		
				135-B2E (8.5-9.0)	Cr+6, TAL Metals
			0.1 ppm		
10		NR: No Recovery	0.0 ppm		

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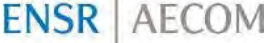
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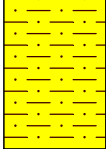
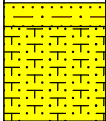
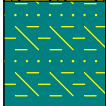
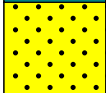
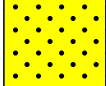
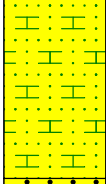
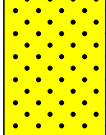
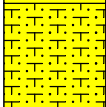
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		Site: Site 135			
Start Date: 12/14/2006		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611196.6 Y- 682514.8		Depth of Boring: 32.00	
End Date: 1/3/2007		Elevation: 11.35		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

12		FILL: Gray (7.5YR 5/1) ASH, some heavily broken mixed Fill materials (some coal tar, glass), trace Silt and Clay, wet, loose. No odor.	0.0 ppm		
				135-B2F (12.5-13.0)	Cr+6, TAL Metals
14		FILL: Black stained CLAY, coal tar, wet, soft. No odor. FILL: Pale Brown (10YR 6/3) and light Gray (10YR 7/1) mottled CLAY, some gray-mint greenish staining, moist, soft, slightly chalky. No odor.	0.1 ppm		
				135-B2G (13.7-14.2)	Cr+6, TAL Metals
			0.0 ppm		
16		NR: No Recovery			
18		PEAT: PEAT, very organic, water has a slight sheen, wet, soft. Very pungent sulfur odor.	10.0 ppm	135-B2H (16.0-16.5)	Cr+6, TAL Metals
			72.6 ppm		
			89.6 ppm		
			228.0 ppm		
20		NR: No Recovery			
		CLAY: Dark Gray (5Y 4/1) organic CLAY, trace organics, moist, soft. Sulfur odor.	38.4 ppm	135-B2I (20.0-20.5)	Cr+6, TAL Metals
			97.2 ppm		

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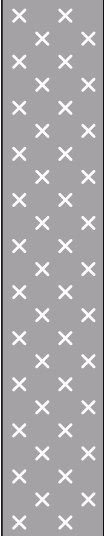
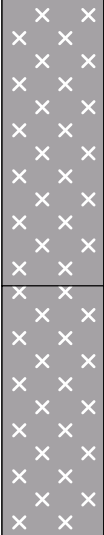


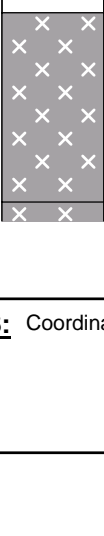
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		Site: Site 135			
Start Date: 12/14/2006	Project: Site Investigation		Page: 3 of 3		
	Coordinates: X-611196.6 Y- 682514.8		Depth of Boring: 32.00		
End Date: 1/3/2007	Elevation: 11.35		Geologist: P. Kelly, M. Merdinger		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

22			120.0 ppm	135-B2J (22.2-22.7)	Cr+6, TAL Metals
		SILT: Dark Gray (5Y 4/1) SILT, some very fine Sand, moist, medium dense. Sulfur odor.	58.2 ppm		
		NR: No Recovery			
24		SAND AND SILT: Dark Gray (5Y 4/1) SILT and medium to coarse SAND, trace Clay, moist, loose. Slight sulfur odor.	34.8 ppm		
		SILTY SAND: Dark Gray (5Y 4/1) very fine silty SAND, wet, loose. Slight sulfur odor.	32.7 ppm		
26		CLAY AND SAND: Dark Gray (5Y 4/1) medium sandy CLAY, moist, medium stiff. No odor.	11.9 ppm		
		SAND: Reddish Brown (5YR 4/3) very fine to coarse SAND, trace rounded fine gravel, wet, loose. No odor.	0.6 ppm		
		NR: No Recovery			
28		SILT AND CLAY: Reddish Brown (5YR 4/3) silty CLAY, little fine to medium Sand, wet, loose. No odor.	0.0 ppm		
			0.0 ppm		
30		SAND: Grayish Brown (10YR 5/2) fine to medium SAND, little interbedded Clay, wet, loose. No odor.	0.0 ppm		
		SILTY SAND: Weak Red (10R 5/4) very fine SAND (silty), wet, medium dense. No odor.			
32		NR: No Recovery			
		NULL: End of Boring at 32 ft.			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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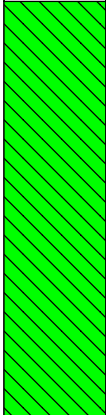
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Start Date: 1/26/2007		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-610977.8 Y-682312.2		Depth of Boring: 28.00	
End Date: 1/26/2007		Elevation: 10.75		Geologist: P. Kelly	
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		FILL: Very Dark Gray (5Y 3/1) coarse SAND, some fine gravel-sized COPR (15%), trace silty Clay and brick fragments, dry.	0.0 ppm		
				135-B3A (1.1-1.6)	Cr+6, TAL Metals
				135-B3B (3.4-4.0)	Cr+6, TAL Metals
2			0.0 ppm		
4		FILL: Black (10YR 2/1) ASH, some fine to medium Gravel, little ceramic fragments, wet. Sheen and strong MGP odor.	91.3 ppm		
6			45.1 ppm		
8		NR: No Recovery	72.1 ppm		

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

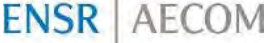
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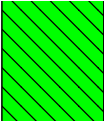
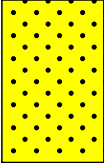
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		Site: Site 135				
Start Date: 1/26/2007		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610977.8 Y-682312.2		Depth of Boring: 28.00		
End Date: 1/26/2007		Elevation: 10.75		Geologist: P. Kelly		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

10		FILL: Very Dark Grayish Brown (10 YR 3/2) SILT and CLAY, some Black organic matter, trace fine to coarse Gravel.	NA		
		NR: No Recovery		135-B3C (10.5-10.8)	Cr+6, TAL Metals
12					
14					
16		CLAY: Dark Gray (5G 4/1) CLAY, little organic matter, firm, moist.	0.0 ppm	135-B3D (16.0-16.1)	Cr+6, TAL Metals
			0.0 ppm		
18			0.0 ppm		

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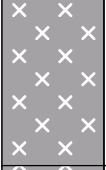
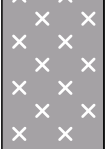

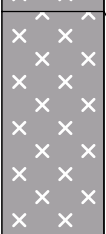
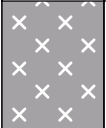
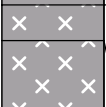
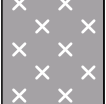
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		Site: Site 135			
Start Date: 1/26/2007	Project: Site Investigation		Page: 3 of 3		
	Coordinates: X-610977.8 Y-682312.2		Depth of Boring: 28.00		
End Date: 1/26/2007	Elevation: 10.75		Geologist: P. Kelly		
	Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

20					
		CLAY AND SAND: Dark Gray fine SAND and CLAY, trace organic matter, moist	0.0 ppm		
			0.0 ppm		
22			0.0 ppm	135-B3E (21.6-23.0)	Cr+6, TAL Metals
		NR: No Recovery			
24		CLAY AND SAND: Dark Gray fine SAND and CLAY, trace organic matter, moist	0.0 ppm		
			0.0 ppm		
26		SAND: Weak Red (2.5YR 5/2) coarse SAND, some fine Gravel, moist.		135-B3F (26.3-26.7)	Cr+6, TAL Metals
		NR: No Recovery			
28		NULL: End of Boring at 28 ft.			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

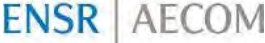
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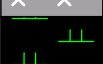
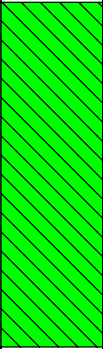
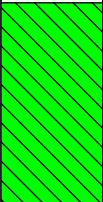
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		Site: Site 135			
Start Date: 12/12/2006		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-610811.3 Y-682149.6		Depth of Boring: 32.00	
End Date: 12/19/2006		Elevation: 11.76		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: ASPHALT			
		FILL: Black medium SAND, some fine to coarse Gravel, cut wire at 1.5 feet.	0.0 ppm	135-B4A (0.7-1.2)	Cr+6, TAL Metals
2		FILL: Black coarse SAND and SILT, some fine Gravel, little coarse Gravel, coal pieces.	0.0 ppm	135-B4B(2.0-2.6) 135-B4BD(2.1-2.6)	Cr+6, TAL Metals Cr+6, TAL Metals
		FILL: Gray-Brown SILT and ASH, some fine to coarse Gravel, little ceramic pieces.	0.0 ppm		
4		FILL: Dark Reddish Gray (2.5YR N3/0) SILT and fine angular Gravel, Fill materials (coal, shells, ash, concrete), dark green staining, wet. No odor.	0.0 ppm	135-B4C (4.0-4.5)	Cr+6, TAL Metals
			5.0 ppm		
6		NR: No Recovery			
8		FILL: Dark Yellowish-Brown (10YR 4/4) SILT, dry, medium dense. No odor.	0.1 ppm	135-B4D (8.5-9.0)	Cr+6, TAL Metals
		FILL: Very dark Grayish Brown (10YR 3/2) SILT, organics, topsoil, dry, loose. No odor.			
10		FILL: Grayish Brown (10 YR 5/2) ASH, COAL, SILT and Fill materials (ceramics, stone, brick), wet. No odor.			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

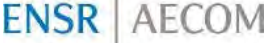
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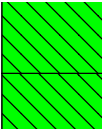
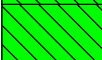

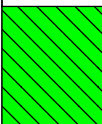
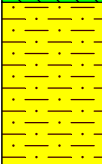
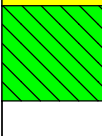
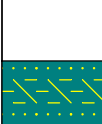
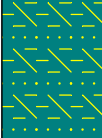
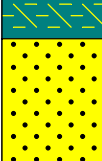
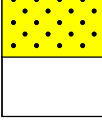

		Client: PPG Industries	BORING ID: 135-B4		
		Site: Site 135			
Start Date: 12/12/2006		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-610811.3 Y-682149.6		Depth of Boring: 32.00	
End Date: 12/19/2006		Elevation: 11.76		Geologist: P. Kelly, M. Merdinger	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

12		NR: No Recovery	0.0 ppm		
		FILL: Grayish Brown (10 YR 5/2) ASH, COAL, SILT and Fill materials (ceramics, stone, brick), wet. No odor.		135-B4E (12.5-13.0)	Cr+6, TAL Metals
14		FILL: Reddish Brown (5YR 4/4) SILT, some Clay, organics, trace medium Gravel, moist. No odor.	0.1 ppm		
		PEAT: PEAT (Meadow Mat), Organics, moist, medium stiff. Sulfur odor.		135-B4F(13.9-14.4) 135-B4FD(13.9-14.4)	Cr+6, TAL Metals Cr+6, TAL Metals
16		NR: No Recovery	29.7 ppm		
		CLAY: Very dark Gray (5Y 3/1) organic CLAY, little organic, moist, medium stiff. Sulfur odor.			
18			25.0 ppm		
			44.8 ppm	135-B4G (18.0-18.5)	Cr+6, TAL Metals
20		NR: No Recovery	36.3 ppm		
		CLAY: Very dark Gray (5Y 3/1) organic CLAY, little organic, moist, medium stiff. Sulfur odor.			
			13.6 ppm		

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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		Client: PPG Industries	BORING ID: 135-B4		
		Site: Site 135			
Start Date: 12/12/2006	Project: Site Investigation		Page: 3 of 3		
	Coordinates: X-610811.3 Y-682149.6		Depth of Boring: 32.00		
End Date: 12/19/2006	Elevation: 11.76		Geologist: P. Kelly, M. Merdinger		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

22			57.7 ppm		
		CLAY: Very Dark Gray (5Y 3/1) sandy CLAY, moist, medium stiff. Sulfur odor.		135-B4H (22.3-22.8)	Cr+6, TAL Metals
		NR: No Recovery			
24		CLAY: Dark Gray (2.5Y 4/1) silty CLAY, trace very find Sand, moist, loose.	8.5 ppm		
		SILT: Dark Grayish Brown (2.5Y 4/2) SILT, some Clay, moist, medium stiff. No odor.	1.2 ppm		
26			60.3 ppm		
		CLAY: Dark Gray (5Y 4/1) sandy CLAY, sand lenses, wet, soft. No odor.			
		NR: No Recovery			
28		CLAY AND SAND: Grayish Brown (10YR 5/2) CLAY and SAND, interbedded, wet, loose. No odor.	0.2 ppm		
			0.0 ppm		
30		SAND: Weak Red (10YR 4/4) fine to coarse SAND, trace Silt, wet, loose. No odor.	0.0 ppm		
			0.0 ppm		
		NR: No Recovery			
32		NULL: End of Boring at 32 ft.			

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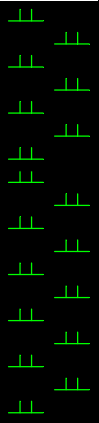
		Client: PPG Industries		BORING ID: 135-B5		
		Site: Site 135				
Start Date: 3/27/2007		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-610782.1 Y-682089.2		Depth of Boring: 20.70		
End Date: 3/27/2007		Elevation: 15.45		Geologist: B. Ergezen		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

0		CONCRETE: Concrete slab, no staining.			
		FILL: Yellowish Brown (10YR 5/6) coarse to fine SAND, little medium to fine angular Gravel, loose, moist. No odor.	3.0	135-B5A (0.7-1.1)	Cr+6, TAL Metals
		CONCRETE: White pulverized CONCRETE (Concrete Slab), dense, dry. No odor.	0.0	135-B5B (1.1-1.8)	Cr+6, TAL Metals
2		FILL: Dark Brown (7.5YR 3/3) SILT, little Clay, little coal, trace medium to fine Gravel, loose, moist. No odor.	0.0	135-B5C (1.8-2.7)	Cr+6, TAL Metals
		NR: No Recovery			
4					
		FILL: Very Dark Gray (10YR 3/1) coarse to fine SAND, little coarse to fine Gravel, trace plastic, coal, brick, loose, moist. No odor.	0.0	135-B5D (4.7-5.8)	MS/MSD, Cr+6, TAL Metals
6		NR: No Recovery	0.0		
8					
		FILL: Black (10YR 2/1) SILT and fine SAND, little medium to fine angular Gravel, loose, moist. No odor.	N/A	135-B5E (8.7-9.2)	Cr+6, TAL Metals
		FILL: Gray (5YR 5/1) coarse to fine SAND, little medium to fine Gravel, little Silt, loose, wet. No odor.		135-B5F (9.2-9.7)	Cr+6, TAL Metals
10		NR: No Recovery			

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		Client: PPG Industries	BORING ID: 135-B5		
		Site: Site 135			
Start Date: 3/27/2007	Project: Site Investigation		Page: 2 of 2		
	Coordinates: X-610782.1 Y-682089.2		Depth of Boring: 20.70		
End Date: 3/27/2007	Elevation: 15.45		Geologist: B. Ergezen		
	Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

12					
		FILL: Gray (5YR 5/1) coarse to fine SAND, little medium to fine Gravel, little Silt, loose, wet. No odor.	0.0	135-B5G (12.7-14.1) 135-B5GD (12.7-14.1)	Cr+6, TAL Metals Cr+6, TAL Metals
14		FILL: Dark Brown (7.5YR 3/3) Clayey SILT, little medium to fine Gravel, trace coal, loose, moist. Slight sulfur odor.	0.0	135-B5H (14.1-14.7)	Cr+6, TAL Metals
		NR: No Recovery	0.0		
16					
		PEAT: Very Dark Gray Brown (2.5YR 3/2) organic CLAY, some Peat, little Silt, trace medium to fine sub-angular Gravel, cohesive, soft, moist. Sulfur odor.	0.0	135-B5I (16.7-18.1)	Cr+6, TAL Metals
18		PEAT: Black (5Y 2.5/1) CLAY, trace Silt, shells, cohesive, soft, moist. No odor.	0.0		
			0.0		
20			0.0		
		NR: No Recovery			
NULL: End of boring at 20.7 ft.					

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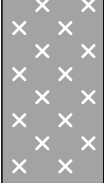




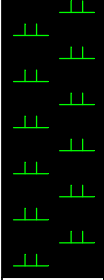
		Client: PPG Industries		BORING ID: 135-B6		
		Site: Site 135				
Start Date: 3/26/2007		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-610927.7 Y-682220.9		Depth of Boring: 16.00		
End Date: 3/26/2007		Elevation: 10.24		Geologist: B. Ergezen		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

0		CONCRETE: Concrete slab, no staining.	0.0		
		CONCRETE: Second Concrete slab, no staining.			
2		NR: No Recovery	816.0	135-B6B (2.0-3.4)	Cr+6, TAL Metals
		FILL: Dark Grayish Brown (10YR 4/2) and Black (5YR 2.5/1) coarse to fine SAND, little Silt, trace fine Gravel, trace Brick, loose, dry. No odor.			
		NR: No Recovery			
		FILL: Coal ASH, trace glass, plastic, loose, moist. No odor.			
4		FILL: Very Dark Grayish Brown (10YR 3/2) and Black (10YR 2/1) coarse to fine SAND, little Silt, trace medium to fine angular Gravel, trace plastic and organics, loose, wet. Hydrocarbon odor.	799.0		
		NR: No Recovery	403.0		
		FILL: Black (10YR 2/1) coarse to fine SAND, little Silt, trace medium to fine angular Gravel, trace plastic and organics, Coal ash, loose, wet. Hydrocarbon odor.	425.0		
		NR: No Recovery			
6		FILL: Black (10YR 2/1) coarse to fine SAND, little Silt, trace coarse to fine angular Gravel, loose, wet. Slight hydrocarbon odor.	7.2	135-B6C (6.7-7.3)	Cr+6, TAL Metals
		FILL: Black (10YR 2/1) SILT, some medium to fine Sand, trace Clay, loose, moist. No odor.	6.4		
		NR: No Recovery			
8		FILL: Black (10YR 2/1) SILT, some medium to fine	0.1		

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		Client: PPG Industries		BORING ID: 135-B6		
		Site: Site 135				
Start Date: 3/26/2007		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-610927.7 Y-682220.9		Depth of Boring: 16.00		
End Date: 3/26/2007		Elevation: 10.24		Geologist: B. Ergezen		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

10		Sand, trace Clay, loose, moist. No odor.	0.1		
		FILL: Very Dark Gray (10YR 3/1) medium to fine GRAVEL and SAND, some Coal Ash, trace Organics, loose, moist. No odor.			
12		NR: No Recovery	0.0	135-B6D (10.0-11.1)	Cr+6, TAL Metals
		FILL: Very Dark Gray (10YR 3/1) medium to fine GRAVEL and SAND, some Coal Ash, trace wood and coal, loose, wet. No odor.	0.0		
		NR: No Recovery			
		FILL: Very Dark Gray (2.5YR 3/1) Clayey SILT, trace very fine Sand, trace medium to fine angular Gravel, cohesive, soft, moist. No odor.	0.3	135-B6E (12.0-12.8)	MS/MSD, Cr+6, TAL Metals
14		PEAT: Very Dark Gray (2.5YR 3/1) PEAT, some organics, trace very fine to fine Sand, cohesive, soft, moist. Sulfur odor.	3.5	135-B6F (12.8-13.4)	Cr+6, TAL Metals
		NR: No Recovery			
		PEAT: Very Dark Grayish Brown (10YR 3/2) PEAT, some organics, trace fine Sand, cohesive, soft, moist. Strong sulfur odor.	66.5		
			325.0	135-B6G (15.2-15.8)	Cr+6, TAL Metals
16		NR: No Recovery			
NULL: End of boring at 16 ft.					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

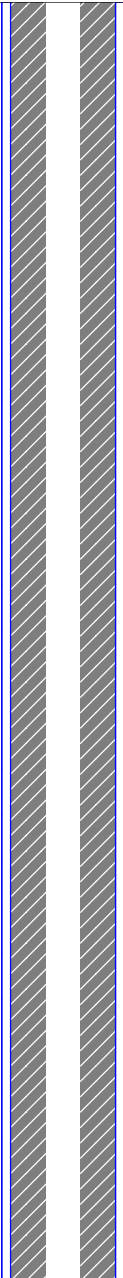
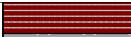



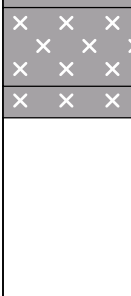


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Client: PPG Industries**Site:** Site 135**Site Location:** Jersey City, NJ**Geologist:** P. Kelly, M. Merdinger**Drilling Company:** Eichelbergers**Driller** N. Moyer**Drilling Date:** 12/13/2007**Well Completion Date:** 3/23/2007**Elevation** 11.19**State Plane Coordinates** X: 682129.9 Y: 610948**Drilling Method:** HSA/Mud Rotary

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135-MW1B

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
0		2 in dia PVC Riser Bentonite-cement Grout 6 in Steel Casing	0.0	0.0		Asphalt
						Black medium SAND, little fine Gravel, dry.
1						Brown medium SAND and ASH, little fine Gravel and Ceramic peices, dry.
2						
3						
4						Grey-Brown ASH, some fine Gravel, little Brick and Coal fragments, wet.
5						
6						
7						Dark Gray (10YR 4/1) ASH, some Silt and crushed Fill Material (shell, wood, coal), little very fine to medium Sand, very loose, wet. No odor.
8						
				1		Brown (7.5YR 4/3) SILT, trace very fine Sand, trace coarse Gravel, very loose, moist. No odor.
				4		Brown (7.5YR 4/3) SILT, trace coarse Gravel, very loose, moist. No odor.
				3		No Recovery
				2		
			N/A	3		
				1		
				1		

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Client: PPG Industries**Site:** Site 135**Site Location:** Jersey City, NJ**Geologist:** P. Kelly, M. Merdinger**Drilling Company:** Eichelbergers**Driller:** N. Moyer**Drilling Date:** 12/13/2007**Well Completion Date:** 3/23/2007**Elevation:** 11.19**State Plane Coordinates:** X: 682129.9 Y: 610948**Drilling Method:** HSA/Mud Rotary**ENSR | AECOM****135-MW1B**

Page: 2 of 4

Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
9				1		
			0.0	WH		Dark Grayish Brown (10YR 4/2) SILT, little fine to medium Sand, trace fine angular Gravel and Clay, wet, very loose. No odor.
10						No Recovery
11			0.0	WH		Dark Grayish Brown (10YR 4/2) SILT, some to little medium angular Gravel, little fine to medium Sand, trace Clay, wet, very loose. No odor.
12				1		No Recovery
				1		
				2		
13			0.0	2		Dark Grayish Brown (10YR 4/2) SILT, some to little medium angular Gravel, little fine to medium Sand, trace Clay, wet, very loose. No odor.
			0.0	2		Brown (10YR 4/3) SILT, some very fine to fine Sand, trace fine Gravel, wet, very loose. No odor
14				3		Brown (10YR 4/3) SILT, trace coarse Sand, moist, very loose. No odor.
15			0.0	2		
16			1.3	1		Very Dark Gray (7.5YR 3/1) PEAT, organics,

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Client: PPG Industries**Site:** Site 135**Site Location:** Jersey City, NJ**Geologist:** P. Kelly, M. Merdinger**Drilling Company:** Eichelbergers**Driller** N. Moyer**Drilling Date:** 12/13/2007**Well Completion Date:** 3/23/2007**Elevation** 11.19**State Plane Coordinates** X: 682129.9 Y: 610948**Drilling Method:** HSA/Mud Rotary**ENSR** | **AECOM****135-MW1B**

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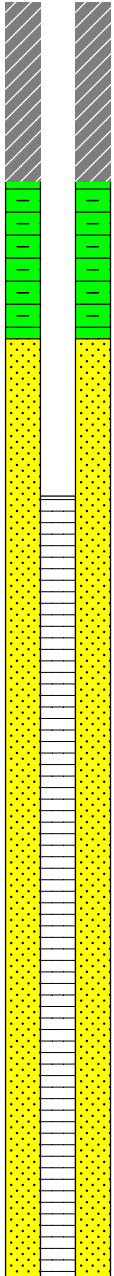
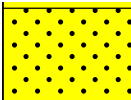

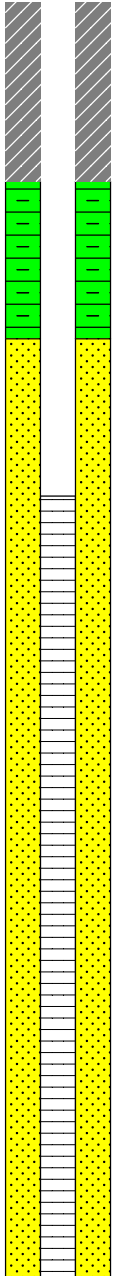
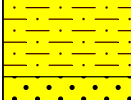
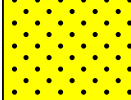
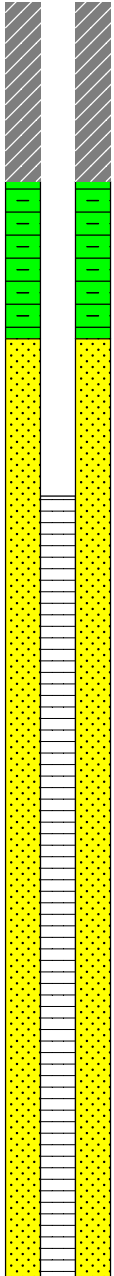
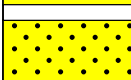
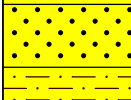
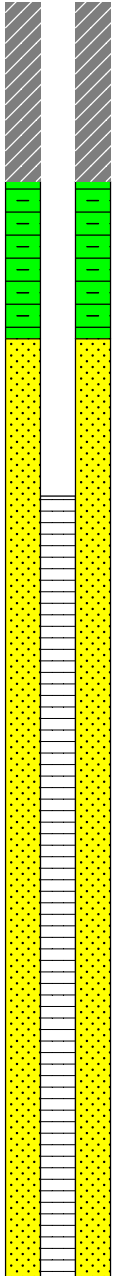


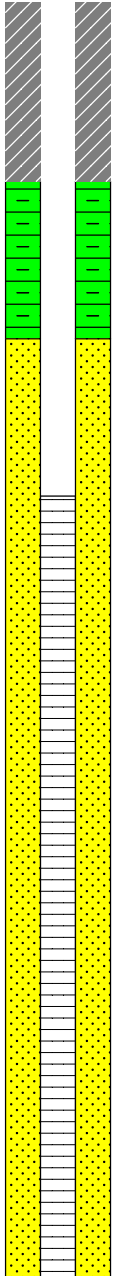
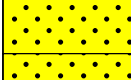
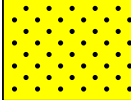
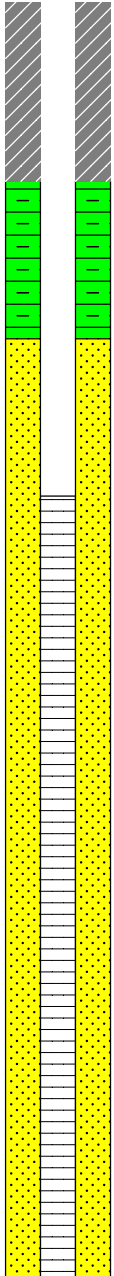


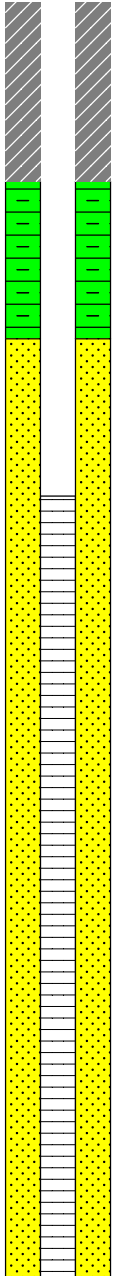
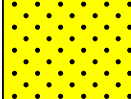

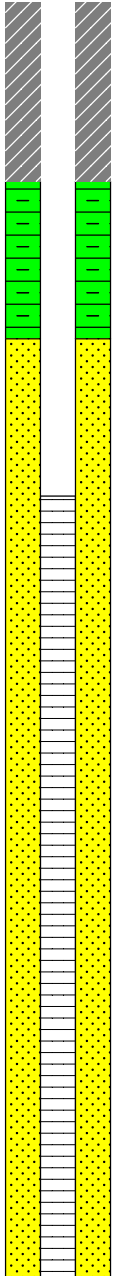
Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
17			36.1	WH		moist, cohesive, very soft. Sulfur odor.
18			27.3			
19			71.7	1		Dark Greenish Gray (Gley2 N4/0) SILT, little Organics and fine Sand, moist, cohesive, very soft. No odor.
20			67.2	1		Dark Greenish Gray (Gley2 N4/0) SILT, some Clay and fine Sand, moist, cohesive, very soft. No odor.
21			52.1	2		Dark Greenish Gray (Gley2 N4/0) SILT, some Clay and fine Sand, moist, cohesive, very soft. Sulfur odor.
22			8.5	1		
23			16.4	3		No Recovery
24			9.7	4		Dark Greenish Gray (Gley2 N4/0) SILT, some Clay, trace very fine Sand, moist, cohesive, soft. Sulfur odor.

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Client: PPG Industries**Site:** Site 135**Site Location:** Jersey City, NJ**Geologist:** P. Kelly, M. Merdinger**Drilling Company:** Eichelbergers**Driller:** N. Moyer**Drilling Date:** 12/13/2007**Well Completion Date:** 3/23/2007**Elevation:** 11.19**State Plane Coordinates:** X: 682129.9 Y: 610948**Drilling Method:** HSA/Mud Rotary**ENSR | AECOM****135-MW1B**

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
25		#00 Sand Seal	14.0	5		Dark Greenish Gray (Gley2 N4/0) medium SAND, some Silt, trace Clay, moist, very loose. Sulfur odor.
				1		Very Dark Gray (2.5Y 3/1) SILT, some Clay, trace very fine to fine Sand, moist, cohesive, very soft. Slight sulfur odor.
26		#1 Sand Filter Pack	1.8	3		Very Dark Gray (2.5Y 3/1) SILT, some Clay, trace very fine to fine Sand, moist, cohesive, very soft. Slight sulfur odor.
				4		Very Dark Grayish Brown (10Y 3/2) graded coarse to fine SAND, little medium to fine rounded Gravel, moist, very loose. No odor.
27		2 in dia 10-Slot PVC Screen	0.2	2		No Recovery
				6		Very Dark Grayish Brown (10Y 3/2) graded coarse to fine SAND, little medium to fine rounded Gravel, moist, very loose. No odor.
28			0.0	3		Very Dark Grayish Brown (10Y 3/2) medium to fine SAND, little medium to fine rounded Gravel, moist, loose. No odor.
				9		Very Dark Grayish Brown (10Y 3/2) SILT, some Clay and very fine to fine Sand, moist, cohesive, medium. No odor.
29			0.0	6		No Recovery
				9		Reddish Brown (5YR 4/3) medium SAND, some fine to medium angular Gravel, moist, loose. No odor.
30			0.0	10		Weak Red (10R 4/4) fine SAND, trace Silt, moist, medium dense. No odor.
				11		No Recovery
31			0.0	9		Weak Red (10R 4/4) graded fine to very fine SAND, trace Silt, moist, loose. No odor.
				7		End of boring at 32.5 ft.
32			0.0	7		

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Client: PPG Industries**Site:** Site 135**Site Location:** Jersey City, NJ**Geologist:** P. Kelly, M. Merdinger**Drilling Company:** Eichelbergers**Driller:** N. Moyer**Drilling Date:** 12/13/2007**Well Completion Date:** 3/30/2007**Elevation:** 11.14**State Plane Coordinates:** X: 682131.2 Y: 610951.4**Drilling Method:** HSA/Mud Rotary**ENSR | AECOM****135-MW1C**

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
0		2 in dia PVC Riser Bentonite-cement Grout 6 in and 10 in Steel Casings	0.0			Asphalt
		135-1CA (0.6-1.1) Cr+6, TAL Metals				Black medium SAND, little fine Gravel, dry.
1						Brown medium SAND and ASH, little fine Gravel and Ceramic peices, dry.
			0.0			Red-Brown SILT and ASH, some brick fragments, little glass fragments.
2		135-1CB (1.8-2.3) Cr+6, TAL Metals 135-1CBD (1.8-2.3) Cr+6, TAL Metals				
3						Grey-Brown ASH, some fine Gravel, little Brick and Coal fragments, wet.
4			0.0			Gray-Brown ASH, some fine to medium Gravel, little brick, glass and coal pieces, wet.
5		135-1CC (4.5-5.0) Cr+6, TAL Metals				Dark Gray (10YR 4/1) ASH, some Silt and crushed Fill Material (shell, wood, coal), little very fine to medium Sand, very loose, wet. No odor.
		135-1BE (5.2-5.7) Cr+6, TAL Metals	0.0	1		
6				4		Brown (7.5YR 4/3) SILT, trace very fine Sand, trace coarse Gravel, very loose, moist. No odor.
				3		Brown (7.5YR 4/3) SILT, trace coarse Gravel, very loose, moist. No odor.
				2		
7			N/A	3		No Recovery
8				1		
				1		
				1		

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
9		135-1BF (9.0-9.4) Cr+6, TAL Metals	0.0	WH		Dark Grayish Brown (10YR 4/2) SILT, little fine to medium Sand, trace fine angular Gravel and Clay, wet, very loose. No odor.
10						No Recovery
11			0.0	WH		Dark Grayish Brown (10YR 4/2) SILT, some to little medium angular Gravel, little fine to medium Sand, trace Clay, wet, very loose. No odor.
12				1		No Recovery
				1		
				2		
13		135-1BG (13.0-13.5) Cr+6, TAL Metals	0.0	2		Dark Grayish Brown (10YR 4/2) SILT, some to little medium angular Gravel, little fine to medium Sand, trace Clay, wet, very loose. No odor.
				2		
14		135-1BH (14.0-15.0) Cr+6, TAL Metals 135-1BHD (14.0-15.0) Cr+6, TAL Metals	0.0	2		Brown (10YR 4/3) SILT, some very fine to fine Sand, trace fine Gravel, wet, very loose. No odor.
				3		
15			0.0	2		Brown (10YR 4/3) SILT, trace coarse Sand, moist, very loose. No odor.
				1		
16		135-1BI (16.0-17.0) MS/MSD, Cr+6, TAL Metals	1.3	1		Very Dark Gray (7.5YR 3/1) PEAT, organics, moist, cohesive, very soft. Sulfur odor.
				1		
17			36.1	WH		

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
18		135-1BJ (17.3-18.3) MS/MSD, Cr+6, TAL Metals	27.3			
		135-1BK (18.3-18.8) Cr+6, TAL Metals		3		Dark Greenish Gray (Gley2 N4/0) SILT, little Organics and fine Sand, moist, cohesive, very soft. No odor.
19			71.7	1		Dark Greenish Gray (Gley2 N4/0) SILT, some Clay and fine Sand, moist, cohesive, very soft. No odor.
				2		
20			67.2	1		
				1		No Recovery
21			52.1	2		Dark Greenish Gray (Gley2 N4/0) SILT, some Clay and fine Sand, moist, cohesive, very soft. Sulfur odor.
		135-1BL (21.3-22.3) Cr+6, TAL Metals		1		
		135-1BLD (21.3-22.3) Cr+6, TAL Metals		1		
22			8.5	1		
				3		No Recovery
23			16.4	3		Dark Greenish Gray (Gley2 N4/0) SILT, some Clay, trace very fine Sand, moist, cohesive, soft. Sulfur odor.
				3		
24			9.7	4		
				5		Dark Greenish Gray (Gley2 N4/0) medium SAND, some Silt, trace Clay, moist, very loose. Sulfur odor.
25			14.0	1		Very Dark Gray (2.5Y 3/1) SILT, some Clay, trace very fine to fine Sand, moist, cohesive, very soft. Slight sulfur odor.
				3		

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
26		135-1BM (26.3-26.8) Cr+6, TAL Metals	1.8	4		Very Dark Grayish Brown (10Y 3/2) graded coarse to fine SAND, little medium to fine rounded Gravel, moist, very loose. No odor.
				3		
27				0.2	2	No Recovery
				6		Very Dark Grayish Brown (10Y 3/2) graded coarse to fine SAND, little medium to fine rounded Gravel, moist, very loose. No odor.
28				0.0	3	Very Dark Grayish Brown (10Y 3/2) medium to fine SAND, little medium to fine rounded Gravel, moist, loose. No odor.
				9		Very Dark Grayish Brown (10Y 3/2) SILT, some Clay and very fine to fine Sand, moist, cohesive, medium. No odor.
29				0.0	6	No Recovery
				9		Reddish Brown (5YR 4/3) medium SAND, some fine to medium angular Gravel, moist, loose. No odor.
30				0.0	10	Weak Red (10R 4/4) fine SAND, trace Silt, moist, medium dense. No odor.
31				0.0	9	No Recovery
				7		Weak Red (10R 4/4) graded fine to very fine SAND, trace Silt, Weak Red (10R 4/4) SILT at 32.5-32.6 ft., moist, loose. No odor.
32				0.0	7	
				6		Weak Red (10R 4/4) SILT and very fine SAND, wet, very loose. No odor.
33				0.0	2	
				4		
34				0.0	3	No Recovery

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
35				5		
			0.0	4		Weak Red (10R 4/4) SILT and very fine SAND, moist to wet, loose. No odor.
				4		
36			0.0	7		No Recovery
				7		
37			0.0	3		Weak Red (10R 4/4) SILT, some to little very fine Sand, wet, loose. No odor.
				7		No Recovery
38				10		
				9		
39			0.0	6		Weak Red (10R 4/4) SILT, some to little very fine Sand, wet, loose. No odor.
				6		
40			0.0	6		No Recovery
				6		
41			0.0	3		Weak Red (10R 4/4) SILT, some to little very fine Sand, wet, very loose. No odor.
				4		
42			0.0	4		Weak Red (10R 4/4) SILT, wet, very loose. No odor.
				4		No Recovery
43			0.0	3		

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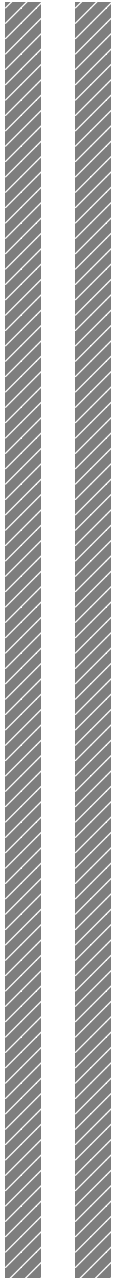
Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
44			0.0	4		Weak Red (10R 4/4) SILT, wet, very loose. No odor.
				4		Weak Red (10R 4/4) SILT, some very fine Sand, wet, loose. No odor.
45			0.0	5		No Recovery
				4		Weak Red (10R 4/4) SILT, some very fine Sand, interbedded with little Weak Red (10R 4/4) Silt, wet, loose. No odor.
46			0.0	5		
				6		No Recovery
47			0.0	4		Weak Red (10R 4/4) SILT, some very fine Sand, interbedded with little Weak Red (10R 4/4) Silt, wet, very loose. No odor.
				3		No Recovery
48				2		
				2		
49			0.0	3		Weak Red (10R 4/4) SILT, some very fine Sand, interbedded with little Weak Red (10R 4/4) Silt, wet, loose. No odor.
				5		
50			0.0	5		
				4		Weak Red (10R 4/4) SILT, little Clay, moist, cohesive, soft. No odor.
51			0.0	4		No Recovery
				4		Weak Red (10R 4/4) SILT, little to trace very fine Sand, very loose, wet. No odor.

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
52			0.0	3		No Recovery
				4		
53			0.0	3		Weak Red (10R 4/4) SILT, trace to none very fine Sand, very loose, wet. No odor.
				4		
54			0.0	5		
				6		No Recovery
55			0.0	4		Weak Red (10R 4/4) SILT, trace to none very fine Sand, very loose, wet. No odor.
				3		
56				4		No Recovery
				3		
57			0.0	4		Weak Red (10R 4/4) SILT, trace to none very fine Sand, loose, wet. No odor.
				4		
58			0.0	5		
				9		No Recovery
59			0.0	3		Weak Red (10R 4/4) SILT, trace to none very fine Sand, medium dense, wet. No odor.
				9		
60			0.0	11		No Recovery

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
61				15		
			0.0	6		Weak Red (10R 4/4) SILT, trace to none very fine Sand, loose, wet. No odor.
				10		
62			0.0	10		
				12		No Recovery
63			0.0	1		Weak Red (10R 4/4) SILT, trace to none very fine Sand, loose, wet. No odor.
				3		
64			0.0	9		No Recovery
				9		
65			0.0	8		Weak Red (10R 4/4) SILT, trace to none Clay, loose, wet. No odor.
				7		
66			0.0	4		No Recovery
				4		
67			N/A	4		
				2		
68				2		
				2		
69						

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
70			0.0	2		Dark Reddish Gray (10R 4/1) CLAY and Weak Red (10R 4/4) SILT with little to trace very fine Sand, interbedded, cohesive, very soft, moist. No odor.
				2		
			0.0	2		
				2		
71			0.0	WH		
				1		
72			0.0	2		Dark Reddish Gray (10R 4/1) CLAY and Weak Red (10R 4/4) SILT with little to trace very fine Sand, interbedded, cohesive, soft, moist. No odor.
				1		
73			0.0	3		
				2		
74			0.0	3		
				3		
75			0.0	WH		Weak Red (10R 4/4) SILT, some Clay, interbedded with some Weak Red (10R 4/4) Silt and very fine Sand, moist, cohesive, very soft. No odor.
				1		
76			0.0	2		
				3		
77			0.0	WH		Weak Red (10R 4/4) SILT, some Clay, interbedded with some Weak Red (10R 4/4) Silt and very fine Sand, moist to wet, cohesive, very
				1		

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
78			0.0	2		soft. No odor.
				4		No Recovery
79			0.0	2		Gray (Gley1 5N/0) SILT, some Clay, interbedded with some Weak Red (10R 4/4) Silt, trace very fine Sand, moist, cohesive, soft. No odor.
				3		
80			0.0	3		
				5		
81			0.0	3		
				4		
82			0.0	4		No Recovery
				4		
83			0.0	1		
				3		
84			0.0	4		Gray (Gley1 5N/0) SILT, some Clay, interbedded with some Weak Red (10R 4/4) Silt, trace very fine Sand, moist, cohesive, soft. No odor.
				5		
85			0.0	3		
				3		
86			0.0	4		

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
87			0.0	5		No Recovery
				3		Gray (Gley1 5N/0) SILT, some Clay, interbedded with some Weak Red (10R 4/4) Silt, trace very fine Sand, moist, cohesive, soft. No odor.
				2		No Recovery
88			0.0	3		No Recovery
				3		
				3		
89			0.0	3		Gray (Gley1 5N/0) SILT, some Clay, interbedded with trace Weak Red (10R 4/4) Silt, trace very fine Sand, moist, cohesive, soft. No odor.
				4		
				3		
90			0.0	3		Weak Red (10R 4/4) SILT, trace Clay, interbedded with trace Gray (Gley1 5N/0) Clay and Weak Red (10R 4/4) Silt and very fine Sand, moist, cohesive, very soft. No odor.
				2		
				2		
91			0.0	2		Weak Red (10R 4/4) SILT, trace Clay, interbedded with trace Gray (Gley1 5N/0) Clay and Weak Red (10R 4/4) Silt and very fine Sand, moist, cohesive, very soft. No odor.
				2		
				2		
92			0.0	2		Weak Red (10R 4/4) SILT, trace Clay, interbedded with trace Gray (Gley1 5N/0) Clay and Weak Red (10R 4/4) Silt and very fine Sand, moist, cohesive, very soft. No odor.
				4		
				4		
93			0.0	4		No Recovery
				3		
				4		
94			N/A	4		
				4		

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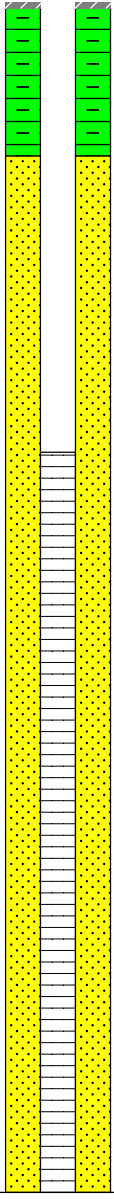
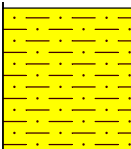
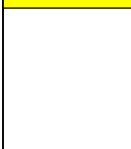
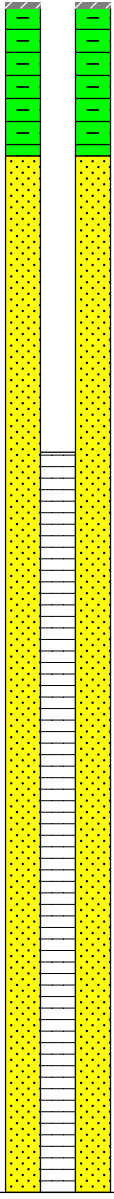
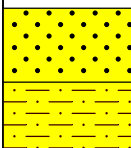
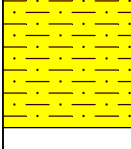
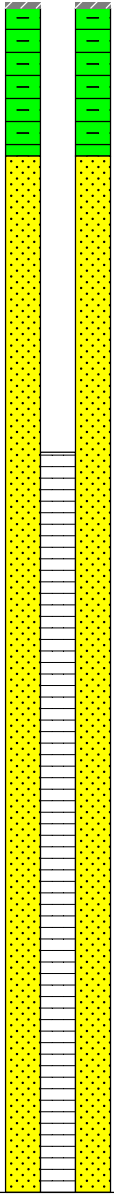
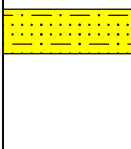

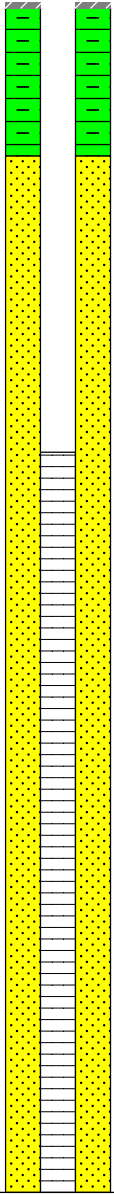
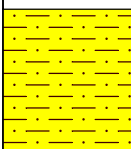
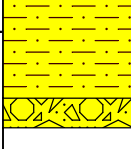
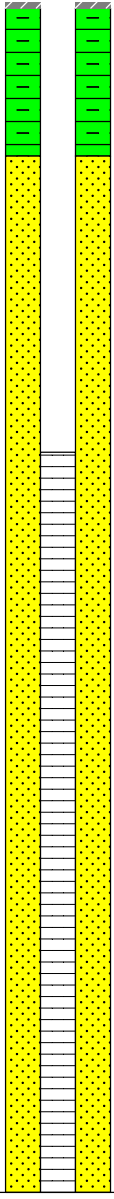

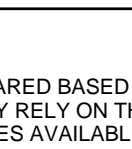
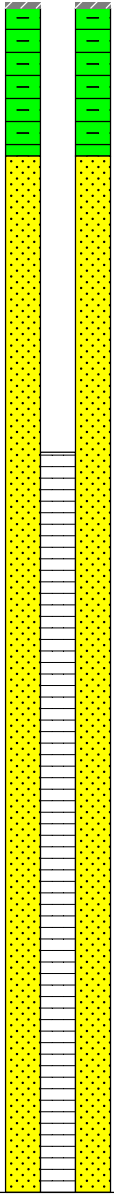

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Client: PPG Industries**Site:** Site 135**Site Location:** Jersey City, NJ**Geologist:** P. Kelly, M. Merdinger**Drilling Company:** Eichelbergers**Driller** N. Moyer**Drilling Date:** 12/13/2007**Well Completion Date:** 3/30/2007**Elevation** 11.14**State Plane Coordinates** X: 682131.2 Y: 610951.4**Drilling Method:** HSA/Mud Rotary

ENSR | AECOM

135-MW1C







Page: 12 of 12

Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
95		#00 Sand Seal	0.0	2		Weak Red (10R 5/4) SILT, little Clay, moist to wet, cohesive, medium. No odor.
96		#1 Sand Filter Pack	0.0	5		No Recovery
97		2 in dia 10-Slot PVC Screen	0.0	7		No Recovery
98			0.0	9		No Recovery
99		2 in dia 10-Slot PVC Screen	0.0	5		Weak Red (10R 4/4) very fine SAND, some Silt, moist, loose. No odor.
100			0.0	5		Weak Red (10R 5/4) SILT, and some interbedded Clay, wet, cohesive, medium. No odor.
101		2 in dia 10-Slot PVC Screen	0.0	7		No Recovery
102			0.0	10		Weak Red (10R 5/4) very fine SAND and SILT, moist, loose. No odor.
103		2 in dia 10-Slot PVC Screen	0.0	7		No Recovery
			0.0	50/4		Weak Red (10R 5/4) fine to medium sub-angular GRAVEL, some very fine Sand and Silt, moist, very dense. No odor.
		2 in dia 10-Slot PVC Screen	0.0	NULL		No Recovery
						End of boring at 103 ft.

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983

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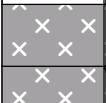


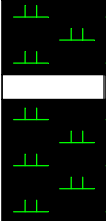
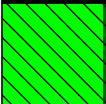
<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 137-B1		
		Site: Site 137				
Start Date: 12/5/2006		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-610943.4 Y-682838.3		Depth of Boring: 32.00		
End Date: 12/7/2006		Elevation: 15.53		Geologist: R. Firely		
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		ASPHALT: Street level ASPHALT	0.0 ppm		
		FILL: Dark Brown (10YR 3/3) fine to coarse GRAVEL, little fine Sand and Silt, trace Clay, loose, slightly moist.		137-B1A(0.4-0.6)	Cr+6, TAL Metals
2					
		FILL: Reddish Gray (5G 5/2) fine SAND and SILT, little medium to coarse Sand, slightly cohesive, slightly moist. (WASTE MUD)		137-B1B (2.5-3.0)	MS/MSD, Cr+6, TAL Metals
4					
		FILL: Reddish Gray (5G 5/2) fine SAND and SILT, little medium to coarse Sand, slightly cohesive, saturated. (WASTE MUD)		137-B1C (4.5-5.0)	Cr+6, TAL Metals
6					
		FILL: Very Dark Gray (10YR 3/1) medium to coarse GRAVEL (ash and cinders), loose, saturated.		137-B1D (5.2-5.7)	Cr+6, TAL Metals
8					
		FILL: Light Grayish Green SILT and CLAY, cohesive, moist. (WASTE MUD)			
10			0.5-2.5 ppm		
		FILL: Dark Grayish Green, fine SAND, SILT and CLAY, coarse angular Gravel from 10.0-10.3 ft bgs, loose, saturated. (WASTE MUD)		137-B1E (9.2-9.7)	Cr+6, TAL Metals
		NR: No Recovery			

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<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 137-B1		
		Site: Site 137				
Start Date: 12/5/2006		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610943.4 Y-682838.3		Depth of Boring: 32.00		
End Date: 12/7/2006		Elevation: 15.53		Geologist: R. Firely		
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Grayish Green fine SAND, SILT and CLAY, cohesive, saturated. (WASTE MUD)	0.0-12.1 ppm	137-B1F (13.2-14.2)	MS/MSD, Cr+6, TAL Metals
		FILL: Grayish Green coarse angular GRAVEL, loose, saturated.			
		FILL: Dark Grayish Green SILT, little Clay and fine Sand, cohesive, saturated. (WASTE MUD)			
14			33-52.4 ppm	137-B1G (17.2-17.7)	Cr+6, TAL Metals
		NR: No Recovery			
16		FILL: Dark Grayish Green SILT, little Clay and fine Sand, cohesive, saturated. (WASTE MUD)	7.4-24.2 ppm	137-B1H (19.2-19.7)	Cr+6, TAL Metals
18		PEAT: Black (10YR 2/1) PEAT, moist.	137-B1I (21.0-21.5)		Cr+6, TAL Metals
		NR: No Recovery			
		PEAT: Black (10YR 2/1) PEAT, moist.			
20		CLAY: Very Dark Gray (10YR 3/1) CLAY grading to CLAY and SILT, some fine Sand, trace to no Root Material, cohesive, moist.			

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<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 137-B1	
		Site: Site 137			
Start Date: 12/5/2006		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-610943.4 Y-682838.3		Depth of Boring: 32.00	
End Date: 12/7/2006		Elevation: 15.53		Geologist: R. Firely	
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

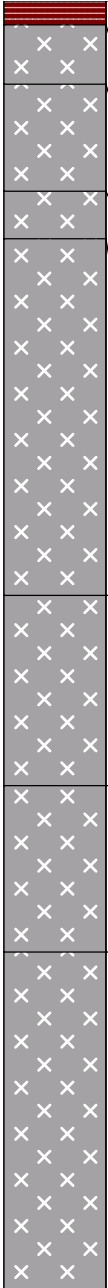
22					
24		NR: No Recovery	0.0-5.2 ppm		
		SAND AND SILT: Dark Gray (10YR 4/1) fine SAND and SILT, little medium to coarse Sand, trace coarse Gravel, slightly cohesive, saturated.			
				137-B1J (25.0-26.0)	MS/MSD, Cr+6, TAL Metals
		SAND: Dark Reddish Brown (5YR 3/2) fine SAND grading to fine to medium SAND, some coarse Sand and fine to medium Gravel, loose, saturated.			
26					
28		NR: No Recovery	0.0 ppm		
		SAND: Dark Reddish Brown (5YR 3/2) fine to medium SAND, some coarse Sand, trace fine to medium Gravel, loose, saturated.			
				137-B1K (29.0-29.5)	Cr+6, TAL Metals
30					
32		NR: No Recovery			
		NULL: End of Boring at 32 ft.			

NOTES:

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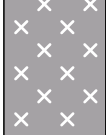
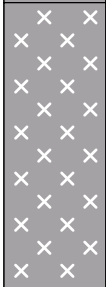

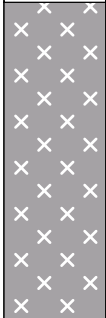

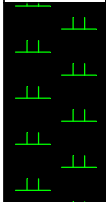
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		Site: Site 137			
Start Date: 1/25/2007		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-610836.1 Y-682503.7		Depth of Boring: 32.00	
End Date: 1/25/2007		Elevation: 15.28		Geologist: P. Kelly	
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: ASPHALT			
		FILL: Gray coarse GRAVEL (asphalt sub-base)	0.0 ppm		
		FILL: Green Gray (Gley 5GY 6/1) coarse SAND, some fine to medium Gravel, little brick fragments, moist.	0.0 ppm	137-B10A (1.0-1.6)	Cr+6, TAL Metals
2		FILL: Dark Red (2.5 YF 3/4) CLAY, some coarse Sand, little fine gravel-sized COPR (10%).	0.0 ppm	137-B10B (1.6-2.0)	Cr+6, TAL Metals
		FILL: Green Gray (Gley 5GY 6/1) SILT and CLAY, some fine Gravel (green-gray mud), wet.	0.0 ppm	137-B10C (3.0-3.5)	Cr+6, TAL Metals
4					
		FILL: Lime Green SILT and CLAY, little fine Gravel, firm, moist.	0.0 ppm	137-B10D (5.1-5.3)	Cr+6, TAL Metals
6			0.0 ppm		
		FILL: Black stained Pale Brown (10YR 6/3) ASH, some Sand, little finr Gravel, trace glass, ceramic fragments. Strong terpentine odor.	68.3 ppm	137-B10E (6.8-7.2)	Cr+6, TAL Metals
8		FILL: Greenish Gray (5B 6/1) ASH, some fine to medium Gravel and coarse Sand, little ceramic and brick fragments, wet.	12.5 ppm		
			12.5 ppm		
10			11.5 ppm	137-B10F (9.6-10.3)	Cr+6, TAL Metals

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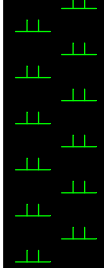
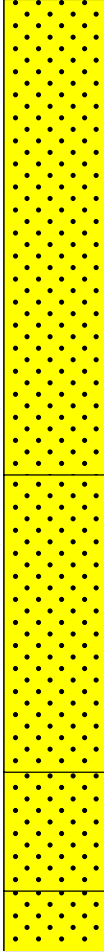
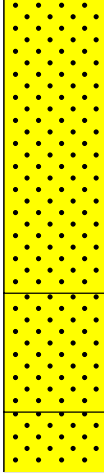
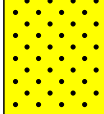
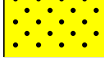
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		Site: Site 137			
Start Date: 1/25/2007	Project: Site Investigation		Page: 2 of 3		
	Coordinates: X-610836.1 Y-682503.7		Depth of Boring: 32.00		
End Date: 1/25/2007	Elevation: 15.28		Geologist: P. Kelly		
	Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

12		FILL: Greenish Gray (5B 6/1) ASH, some fine to medium Gravel and coarse Sand, little ceramic and brick fragments, wet.	11.5 ppm		
			2.7 ppm		
14			2.5 ppm	137-B10G (12.9-13.3)	Cr+6, TAL Metals
			2.5 ppm		
16		NR: No Recovery			
				137-B10H (15.5-16.0)	Cr+6, TAL Metals
18		FILL: Greenish Gray (5B 6/1) ASH, some fine to medium Gravel and coarse Sand, little ceramic and brick fragments, wet.	10.0 ppm		
			10.0 ppm		
20		NR: No Recovery	0.6 ppm		
			0.0 ppm		
		PEAT: Dark Brown (7.5YR 3/2) CLAY and ORGANICS (meadow mat)	25.6 ppm		
			25.6 ppm	137-B10I(20.5-21.0) 137-B10ID(20.5-21.0)	Cr+6, TAL Metals Cr+6, TAL Metals

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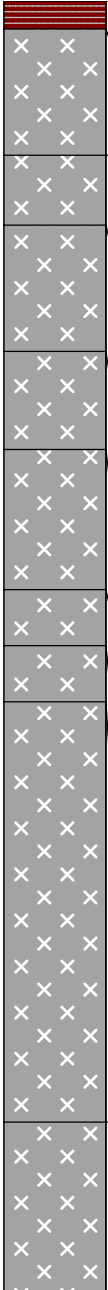
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		Site: Site 137				
Start Date: 1/25/2007		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-610836.1 Y-682503.7		Depth of Boring: 32.00		
End Date: 1/25/2007		Elevation: 15.28		Geologist: P. Kelly		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

22			63.1 ppm		
			63.1 ppm		
24		SAND: Gray (10YR 5/1) fine SAND, some Clay and Silt, little organics, dense. Strong organic odor.	38.0 ppm	137-B10J (23.5-24.0)	MS/MSD, Cr+6, TAL Metals
			38.0 ppm	137-B10K (24.8-25.2)	Cr+6, TAL Metals
			32.5 ppm		
26			32.5 ppm		
			25.5 ppm		
28		SAND: Gray (10YR 5/1) fine SAND, some Clay and Silt, little organics, dense. Strong organic odor.	0.0 ppm		
			0.0 ppm		
30			0.0 ppm		
			0.0 ppm		
		SAND: Dark Red (2.5YR 3/6) coarse SAND, some Silt, little Clay, trace fine Gravel.	0.0 ppm		
		SAND: No Recovery			
32	NULL: End of Boring at 32 ft.				

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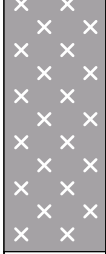
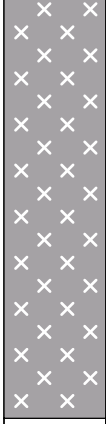
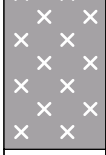

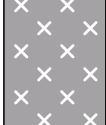
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		Site: Site 137				
Start Date: 1/23/2007		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-610917.1 Y-682669.1		Depth of Boring: 27.00		
End Date: 1/23/2007		Elevation: 15.59		Geologist: P. Kelly		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: ASPHALT	0.0 ppm		
		FILL: Fine to coarse GRAVEL, asphalt sub-base.			
		FILL: Dark Yellowish Brown (10YR 4/4) medium SAND, little fine to medium gravel-sized COPR (20%), trace woody organics.		137-B11A (1.1-1.6)	Cr+6, TAL Metals
2		FILL: Dark Reddish Brown (2.5 YR 2.5/3) coarse SAND, some fine gravel-sized COPR (40%), little fine GRAVEL and Light Greenish Gray (5YR 7/1) Silt in fine gravel-sized conglomerated pieces.		137-B11B (1.6-2.1)	Cr+6, TAL Metals
		FILL: Red (2.5 YR 4/6) SILT, some white (2.5 8/1) conglomerated Silte and fine Sand (hard), little gravel-sized COPR (15%).		137-B11C(2.5-2.8)	Cr+6, TAL Metals
		FILL: Greenish Gray (5G 5/1) fine SAND and SILT, little Clay.		137-B11D (3.2-3.6)	Cr+6, TAL Metals
4		FILL: Black (5YR 2.5/1) coarse SAND, some fien to coarse Gravel, little Dark Red (10R 3/6) fine gravel-sized slag.		137-B11E (4.2-4.6)	Cr+6, TAL Metals
		FILL: Green Gray Mud, Lime Green with Gray (5YR 3/1) CLAY and SILT, some fine Sand, trace fine Gravel.		137-B11F (4.6-5.0)	Cr+6, TAL Metals
		FILL: Green Gray Mud, Lime Green and some Dary Gray (Gley N/4) fine SAND, some Silt, little Clay, trace fine Gravel.		137-B11E(5.5-6.4) 137-B11ED(5.5-6.4)	Cr+6, TAL Metals Cr+6, TAL Metals
6		FILL: Black (10YR 2/1) stained Gray (10YR 6/1) ASH, some matted Organics and fine Gravel, petroleum sheen,wet.			
8			1.0 ppm		
			6.0 ppm		
			0.1 ppm		
			0.1 ppm	137-B11F(8.9-9.6)	Cr+6, TAL Metals

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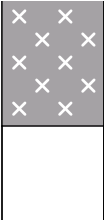
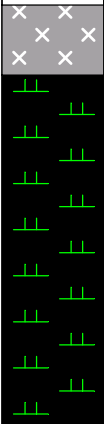
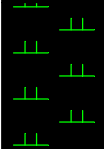
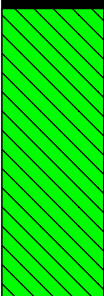
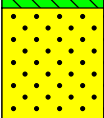
		Client: PPG Industries		BORING ID: 137-B11		
		Site: Site 137				
Start Date: 1/23/2007		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610917.1 Y-282669.1		Depth of Boring: 27.00		
End Date: 1/23/2007		Elevation: 15.59		Geologist: P. Kelly		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

10			0.1 ppm		
		NR: No Recovery			
12		FILL: Dark Gray (5YR 4/1) fine GRAVEL and ASH, some coarse Sand and woody Organics, petroleum sheen, wet.	0.1 ppm		
			0.0 ppm	137-B11G (13.2-13.6)	Cr+6, TAL Metals
14			0.0 ppm		
		NR: No Recovery			
16		FILL: Dark Gray (5YR 4/1) fine GRAVEL and ASH, some coarse Sand and woody Organics, petroleum sheen, wet.	3.3 ppm		
			0.0 ppm		
18				137-B11H (17.6-18.0)	Cr+6, TAL Metals
			0.0 ppm		

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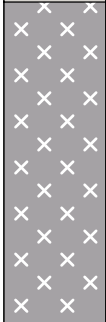
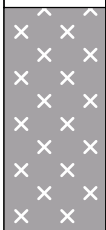
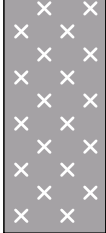
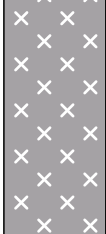

		Client: PPG Industries		BORING ID: 137-B11		
		Site: Site 137				
Start Date: 1/23/2007		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-610917.1 Y-682669.1		Depth of Boring: 27.00		
End Date: 1/23/2007		Elevation: 15.59		Geologist: P. Kelly		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

20		NR: No Recovery	2.0 ppm	137-B11I (21.5-22.0)	MS/MSD, Cr+6, TAL Metals
22		PEAT: Dark Olive Brown (2.5Y 3/3) CLAY and ORGANICS (meadow mat).	18.4 ppm		
24		PEAT: Dark Olive Brown (2.5Y 3/3) CLAY and ORGANICS (meadow mat).	7.1 ppm		
26		CLAY: Gray (5Y 5/1) CLAY, trace organics, firm.	2.5 ppm	137-B11J (25.1-25.6)	Cr+6, TAL Metals
			6.2 ppm		
		SAND: Reddish Brown (2.5YR 4/4) coarse SAND, some fine to coarse Gravel and Clay			
		NULL: End of Boring at 27 ft.			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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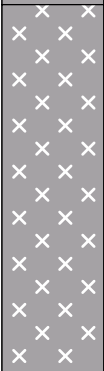
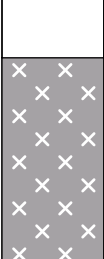
		Client: PPG Industries		BORING ID: 137-B12		
		Site: Site 137				
Start Date: 1/23/2007		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-610923.3 Y-682581.6		Depth of Boring: 32.00		
End Date: 1/23/2007		Elevation: 15.90		Geologist: P. Kelly		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

0		CONCRETE: CONCRETE	0.0 ppm		
		CONCRETE: Dark Gray , fine to coarse GRAVEL with fines (sub-base).		137-B12A (1.2-1.8)	Cr+6, TAL Metals
2		FILL: Dark Red (10R 4/1) CLAY, some fine Sand, Silt, little fine Gravel, trace COPR (5%).	0.0 ppm		
		NR: No Sample			
4		FILL: Dark Red (10R 4/1) CLAY, some fine Sand, Silt, little fine Gravel, trace COPR (5%).	0.0 ppm		
		FILL: Dark Gray (10YR 4/1) ASH, some fine Sand, Silt, and ceramic fragments.		137-B12B (6.3-6.8)	Cr+6, TAL Metals
6		FILL: Dark Gray (10YR 4/1) ASH, some Clay, Silt, brick and glass fragments, wet.	0.0 ppm		
		FILL: Dark Gray (10YR 4/1) ASH, some fine Sand, Silt, and ceramic fragments.			
8			NA		
			NA		
10					

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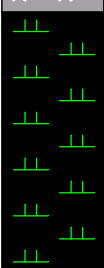
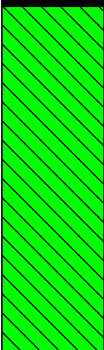
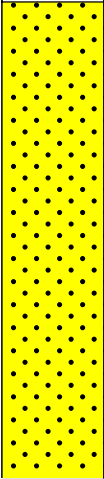
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		Site: Site 137				
Start Date: 1/23/2007		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610923.3 Y-682581.6		Depth of Boring: 32.00		
End Date: 1/23/2007		Elevation: 15.90		Geologist: P. Kelly		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

12		FILL: Black (2.5Y 2.5/1) fine GRAVEL and ASH, some brick and glass fragments, little woody organic material. Strong chemical odor.	0.0 ppm	137-B12C (10.9-11.5)	Cr+6, TAL Metals
		FILL: Black (2.5Y 2.5/1) fine GRAVEL and ASH, some brick and glass fragments, little woody organic material. Strong chemical odor.			
14			0.0 ppm	137-B12D (13.1-13.6)	Cr+6, TAL Metals
			0.0 ppm		
16		NR: No Recovery	0.0 ppm		
18			0.0 ppm	137-B12E (17.8-18.3)	Cr+6, TAL Metals
20		NR: No Recovery	0.0 ppm		
		FILL: Dark Gray (10YR 4/1) ASH, some Clay, Silt, brick and glass fragments, wet.			
			34.3 ppm		

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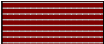













		Client: PPG Industries		BORING ID: 137-B12	
		Site: Site 137			
Start Date: 1/23/2007		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-610923.3 Y-682581.6		Depth of Boring: 32.00	
End Date: 1/23/2007		Elevation: 15.90		Geologist: P. Kelly	
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

22		PEAT: Dark Brown (10YR 3/3) CLAY and ORGANICS (meadow mat). Strong odor.	45.2 ppm	137-B12F (22.0-22.4)	Cr+6, TAL Metals
24		CLAY: Gray (10YR 5/1) CLAY, some Silt and fine Sand, trace organics.	NA	137-B12G (24.5-25.1)	Cr+6, TAL Metals
26		NR: No Recovery	0.0 ppm		
28		SAND: Very Dark Gray (5Y 3/1) fine Sand, some Silt and Clay, trace Gravel, loose, wet.	NA		
30					
32		NULL: End of Boring at 32 ft.			

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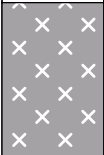


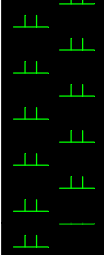
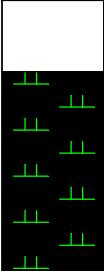
		Client: PPG Industries		BORING ID: 137-B13	
		Site: Site 137			
Start Date: 1/22/2007		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-610910.3 Y-682473.3		Depth of Boring: 32.00	
End Date: 1/22/2007		Elevation: 14.29		Geologist: P. Kelly	
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: ASPHALT			
		FILL: Olive Gray (5Y 5/2) fine GRAVEL, some coarse to fine Sand and Silt, little medium to coarse Gravel and woody organics.		137-B13A(0.4-0.9) 137-B13AD(0.4-0.9)	Cr+6, TAL Metals Cr+6, TAL Metals
				137-B13B (0.9-1.3)	Cr+6, TAL Metals
2		FILL: Dark Reddish Brown (2.5 YR 3/3) coarse SAND, some Silt and Clay, little fine to medium Gravel, trace organics, and fine gravel-sized COPR (10%).			
				137-B13C (2.6-3.4)	MS/MSD, Cr+6, TAL Metals
4		FILL: Gray (Gley N3/0) with pale green staining (5G 6/2), coarse SAND, some fine Gravel and ash, little fine gravel-sized slag, trace oyster shells.			
					
6		FILL: Greenish Gray (5GY 5/1) ASH, some fine to coarse Gravel.		137-B13E(5.5-6.0) 137-B13ED(5.5-6.0)	Cr+6, TAL Metals Cr+6, TAL Metals
					
8		FILL: Dusky Red (2.5 YR 3/2) CLAY, some Silt, little fine to medium Gravel.		137-B13F (7.0-7.5)	Cr+6, TAL Metals
					
10		FILL: Greenish Gray (5 GY 5/1) ASH, some fine to medium Gravel, little ceramic, brick and glass fragments.	0.0 ppm	137-B13G (8.5-9.0)	MS/MSD, Cr+6, TAL Metals
			0.0 ppm		
			0.2 ppm		
		NR: No Recovery			

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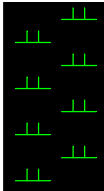
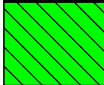
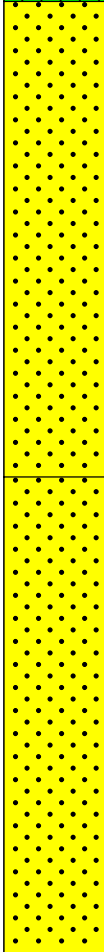
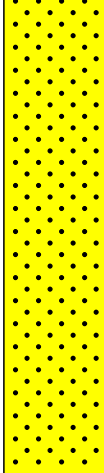
		Client: PPG Industries	BORING ID: 137-B13		
		Site: Site 137			
Start Date: 1/22/2007	Project: Site Investigation		Page: 2 of 3		
	Coordinates: X-610910.3 Y-682473.3		Depth of Boring: 32.00		
End Date: 1/22/2007	Elevation: 14.29		Geologist: P. Kelly		
	Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

12		FILL: Dusky Red (2.5 YR 3/2) CLAY, some fine Sand, little shell fragments and debris.	0.0 ppm	137-B13H (12.3-12.8)	Cr+6, TAL Metals
			0.0 ppm		
14		FILL: Greenish Gray (5GY 5/1) ASH, some fine to medium Gravel, little ceramic fragments.	0.0 ppm	137-B13I (13.7-14.2)	Cr+6, TAL Metals
			0.0 ppm		
16		NR: No Recovery	0.0 ppm		
			0.0 ppm		
18		PEAT: Very Dark Gray (5YR 3/1) CLAY and SILT, some woody organics.	12.2 ppm	137-B13J (17.5-17.9)	Cr+6, TAL Metals
			5.8 ppm		
20		PEAT: Dark Brown (10YR 3/3) CLAY and ORGANICS (meadow mat).		137-B13K(19.1-19.4)	Cr+6, TAL Metals
		NR: No Recovery	18.9 ppm		
		PEAT: Dark Brown (10YR 3/3) CLAY and ORGANICS (meadow mat).	43.1 ppm		

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		Client: PPG Industries		BORING ID: 137-B13		
		Site: Site 137				
Start Date: 1/22/2007		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-610910.3 Y-682473.3		Depth of Boring: 32.00		
End Date: 1/22/2007		Elevation: 14.29		Geologist: P. Kelly		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

22				137-B13L (21.9-22.4)	Cr+6, TAL Metals
		CLAY: Bluish Gray (5B 6/1) CLAY, some Silt, little organics.	61.5 ppm	137-B13M (23.2-23.6)	Cr+6, TAL Metals
24		SAND: Greenish Gray (5B6 5/1) fine to medium SAND, little Silt, wet.	33 ppm		
			1.3 ppm		
26			0.9 ppm	137-B13N (25.6-26.0)	Cr+6, TAL Metals
28			0.0 ppm		
		SAND: Weak Red (2.5 YR 5/2) coarse SAND, little fine Gravel.	0.0 ppm	137-B13O(28.7-28.9)	Cr+6, TAL Metals
30			0.0 ppm		
32			0.0 ppm		
	NULL: End of Boring at 32 ft.				

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<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 137-B2		
		Site: Site 137				
Start Date: 12/5/2006		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-610981.3 Y-682909.5		Depth of Boring: 32.00		
End Date: 12/7/2006		Elevation: 15.66		Geologist: R. Firely		
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

<div> <div>0</div> <div>2</div> <div>4</div> <div>6</div> <div>8</div> <div>10</div> </div>		ASPHALT: Street level ASPHALT	0.0 ppm	137-B2A(0.4-0.6)	Cr+6, TAL Metals
		FILL: Dark Brown (10YR 3/3) fine to coarse GRAVEL, little fine to coarse Sand and Silt, loose, slightly moist.			
		FILL: Yellowish Brown (10YR 5/8) and Very Bright Green fine SAND and SILT, little coarse Slag and Ash, dense, loose, dry.		137-B2B (2.0-2.5)	Cr+6, TAL Metals
		FILL: Black (10YR 2/1) fine to medium GRAVEL (ash and cinders), slag, loose, moist.		137-B2C (3.5-4.0)	Cr+6, TAL Metals
		FILL: Bright Green SILT, little Clay, trace fine Sand, cohesive, dense, moist. (WASTE MUD)		137-B2D (4.5-5.0)	Cr+6, TAL Metals
		FILL: Brownish Green fine to coarse GRAVEL, some sfine Sand and Silt, loose, saturated.		137-B2E (8.5-9.0)	Cr+6, TAL Metals
		FILL: SILT, little fine Sand, trace fine to medium Gravel (translucent crystal-like Light Green material at 3.5 ft bgs), cohesive, moist.		137-B2F (9.0-9.5)	Cr+6, TAL Metals
			518.0 ppm		

NOTES:

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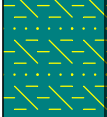
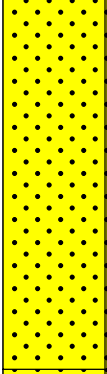
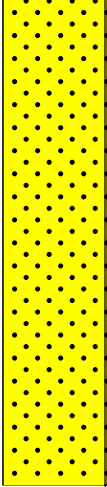
<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 137-B2		
		Site: Site 137				
Start Date: 12/5/2006		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610981.3 Y-682909.5		Depth of Boring: 32.00		
End Date: 12/7/2006		Elevation: 15.66		Geologist: R. Firely		
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		NR: No Recovery	106.0 ppm		
		FILL: Dark Grayish Green SILT, little Clay, cohesive, saturated. (WASTE MUD)	0.0 ppm	137-B2G (13.0-13.5)	Cr+6, TAL Metals
14					
16		NR: No Recovery	0.0 ppm		
		FILL: Dark Grayish Green SILT, little Clay, cohesive, saturated. (WASTE MUD)		137-B2H (17.0-17.5)	Cr+6, TAL Metals
18		PEAT: Black (10YR 2/1) PEAT, moist.		137-B2I (17.6-18.1)	Cr+6, TAL Metals
		PEAT: Very Dark Gray (10YR 3/1) CLAY, little Silt, decreasing Root Material (trace to none), cohesive, moist.			
20		NR: No Recovery	2.3 ppm		
		PEAT: Very Dark Gray (10YR 3/1) CLAY, little Silt, little Root Material/Peat , cohesive, moist.		137-B2J (20.0-20.5)	Cr+6, TAL Metals

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<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 137-B2		
		Site: Site 137				
Start Date: 12/5/2006		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-610981.3 Y-682909.5		Depth of Boring: 32.00		
End Date: 12/7/2006		Elevation: 15.66		Geologist: R. Firely		
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

22		CLAY AND SAND: Very Dark Gray (10YR 3/1) fine SAND and CLAY, some Silt, no Organic Material, cohesive, moist.	0.0 ppm	137-B2K (22.2-22.7)	Cr+6, TAL Metals
		NR: No Recovery			
24		CLAY AND SAND: Very Dark Gray (10YR 3/1) fine SAND and CLAY, some Silt, no Organic Material, cohesive, moist.	0.0 ppm	137-B2L (25.0-25.5)	Cr+6, TAL Metals
26		SAND: Dark Reddish Brown (5YR 3/3) fine SAND grading to fine to medium SAND, little coarse Sand and fine to medium Gravel, loose, saturated.			
28		SAND: Dark Reddish Brown (5YR 3/3) fine SAND, some medium Sand, little coarse Sand and fine Gravel, loose, saturated.		137-B2M (29.0-29.5)	Cr+6, TAL Metals
30					
32		NULL: End of Boring at 32 ft.			

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ENSR AECOM		Client: PPG Industries		BORING ID: 137-B3		
		Site: Site 137				
Start Date: 10/10/2006		Project: Site Investigation		Page: 1 of 4		
		Coordinates: X-611004.1 Y-682794.8		Depth of Boring: 36.00		
End Date: 10/10/2006		Elevation: 14.94		Geologist: M. Merdinger		
		Drill Subcontractor: TPI		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete floor.	0.0 ppm		
		FILL: Olive Gray (5Y 4/2) SILT, little Clay, 5% COPR, dry. No odor. (WASTE MUD)	0.0 ppm	137-B3A (0.5-1.0)	Cr+6, TAL Metals
2			0.0 ppm		
		FILL: Olive Gray (5Y 4/2) SILTY CLAY, trace Gravel, Lime Green staining, 5% COPR, dry. No odor. (WASTE MUD)	9.1 ppm		
4			0.0 ppm	137-B3B (4.0-4.5)	Cr+6, TAL Metals
		FILL: Dark Gray (5Y 4/1) GRAVEL, some Silt, wet. No odor.			
6		FILL: Olive Gray (5Y 4/2) CLAY, little Silt, Lime-green staining, 5% COPR, firm, moist. No odor. (WASTE MUD)			
		FILL: Dark Gray (5Y 4/1) medium coarse GRAVEL, little Silt, 5% COPR, wet. No odor.			
8		NR: No Recovery			
		FILL: Dark Gray (5Y 4/1) medium coarse GRAVEL, little Silt, 5% COPR, wet. No odor.	3.7 ppm	137-B3C (8.0-8.5)	Cr+6, TAL Metals
		FILL: Olive Gray (5Y 4/2) SILTY CLAY, little very fine Sand, interbedded Gray Gravel at 7.4 ft bgs, Lime-green staining, 50% COPR, wet. Yellow water. Odor. (WASTE MUD)	4.3 ppm		
10			1.7 ppm		

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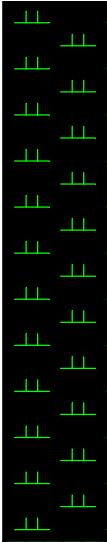
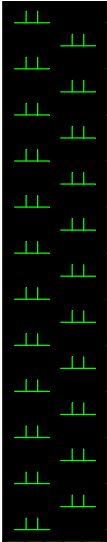
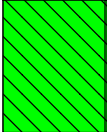
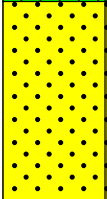

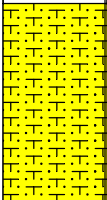
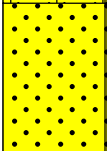
<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 137-B3		
		Site: Site 137				
Start Date: 10/10/2006		Project: Site Investigation		Page: 2 of 4		
		Coordinates: X-611004.1 Y-682794.8		Depth of Boring: 36.00		
End Date: 10/10/2006		Elevation: 14.94		Geologist: M. Merdinger		
		Drill Subcontractor: TPI		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		NR: No Recovery			
		FILL: Olive Gray (5Y 4/2) SILTY CLAY, little very fine Sand, interbedded Gray Gravel at 7.4 ft bgs, Lime-green staining, 50% COPR, wet. Yellow water. Odor. (WASTE MUD)	0.0 ppm	137-B3D (12.0-12.5)	Cr+6, TAL Metals
			0.0 ppm		
			0.0 ppm		
			6.9 ppm		
			6.9 ppm		
			10.5 ppm		
			15.0 ppm		
			16.5 ppm	137-B3E (19.0-19.5)	Cr+6, TAL Metals
		PEAT: Reddish Black (10R 2.5/1) PEAT (Meadow Mat), Organics, firm, moist. Sulfur odor.	6.8 ppm		

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<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 137-B3		
		Site: Site 137				
Start Date: 10/10/2006		Project: Site Investigation		Page: 3 of 4		
		Coordinates: X-611004.1 Y-682794.8		Depth of Boring: 36.00		
End Date: 10/10/2006		Elevation: 14.94		Geologist: M. Merdinger		
		Drill Subcontractor: TPI		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

22			19.0 ppm	137-B3F (21.0-21.5)	Cr+6, TAL Metals
			50.1 ppm		
24			40.0 ppm		
			6.7 ppm		
26		CLAY: Dark Gray (Gley N4/0) CLAY, trace semi-round Gravel, moist. No odor.	4.0 ppm	137-B3G (24.5-25.0)	Cr+6, TAL Metals
			3.5 ppm		
28		SAND: Weak Red (10R 4/2) coarse SAND, some small round Gravel and Silt, wet. No odor.			
30		NR: No Recovery			
		SILTY SAND: Red (10R 4/6) very fine SILTY SAND, loose, wet. No odor.	0.0 ppm	137-B3H (28.0-28.5)	Cr+6, TAL Metals
			7.8 ppm		
		SAND: Red (10R 4/6) very fine to fine SAND, trace Silt, firm, wet. No odor.			

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<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 137-B3		
		Site: Site 137				
Start Date: 10/10/2006		Project: Site Investigation		Page: 4 of 4		
		Coordinates: X-611004.1 Y-682794.8		Depth of Boring: 36.00		
End Date: 10/10/2006		Elevation: 14.94		Geologist: M. Merdinger		
		Drill Subcontractor: TPI		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

<div> <div></div> <div>32</div> <div></div> <div>34</div> <div></div> <div>36</div> </div>		NR: No Recovery			
		SAND: Red (10R 4/6) very fine to fine SAND, trace Silt (Red very fine SILTY SAND from 33.0-33.2 ft bgs), firm, wet. No odor.		137-B3I (32.0-32.5)	Cr+6, TAL Metals
		NR: No Recovery			
		NULL: End of Boring at 36 ft.			

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<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 137-B4	
		Site: Site 137			
Start Date: 12/6/2006		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-610954.8 Y-682695.0		Depth of Boring: 32.00	
End Date: 12/8/2006		Elevation: 14.91		Geologist: P. Kelly, R. Firely	
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: Coarse GRAVEL with plastic Vapor Barrier at 0.9 ft bgs.	0.0 ppm		
		FILL: Dark Brown SILT with some Clay, little fine to medium Gravel, little Glass peices, moist.		137-B4A (0.9-1.4)	Cr+6, TAL Metals
2		FILL: Gray-green SILT, some fine Sand and fine Gravel, wet.	0.0 ppm		
			137-B4B(2.0-2.5) 137-B4BD(2.0-2.5)	Cr+6, TAL Metals	
4			0.0 ppm		
		FILL: Dark Grayish-Green Waste Mud, SILT, little Clay, saturated, cohesive.			
6				137-B4C (6.0-6.5)	Cr+6, TAL Metals
8		FILL: No Recovery	0.0-0.2 ppm		
		FILL: Dark Grayish-Green Waste Mud, SILT, little Clay, saturated, cohesive.		137-B4D (8.5-9.0)	Cr+6, TAL Metals
10		FILL: Dark Yellowish Brown (10YR 3/6) to Black (10YR 2/1) fine to coarse GRAVEL, ASH, and CINDERS, some fine Sand and Silt, trace waste mud (Grayish-Green fine Sand and Silt), saturated, loose.			

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<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 137-B4		
		Site: Site 137				
Start Date: 12/6/2006		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610954.8 Y-682695.0		Depth of Boring: 32.00		
End Date: 12/8/2006		Elevation: 14.91		Geologist: P. Kelly, R. Firely		
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters


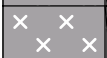

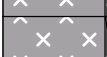


12		FILL: No Recovery	0.0 ppm		
		FILL: Very Dark Gray (10YR 3/1) to Dark Gray (10YR 4/1) fine to medium GRAVEL, ASH, and CINDERS, little fine to medium Sand and Silt, saturated, loose. Slight sheen and petro-like odors at 14.0-14.2 feet.		137-B4E (12.5-13.5) 137-B4ED (12.5-13.5)	Cr+6, TAL Metals
14			0.0 ppm		
		FILL: No Recovery			
16			0.0 ppm		
		FILL: Dark Gray (10YR 4/1) fine to medium GRAVEL, ASH, and CINDERS, some fine Sand and Silt, saturated, loose.		137-B4F (16.5-17.0)	Cr+6, TAL Metals
18			0.0 ppm		
		PEAT: Black (10YR 2/1) PEAT		137-B4G (17.7-18.2)	Cr+6, TAL Metals
20		NR: No Recovery	0.7-0.2 ppm		
		PEAT: Very Dark Gray (10YR 3/1) PEAT, Black (10YR 2/1) increased organic material at 23.0-23.2 feet		137-B4H (20.0-20.5)	Cr+6, TAL Metals

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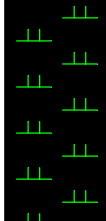
<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 137-B5		
		Site: Site 137				
Start Date: 10/10/2006		Project: Site Investigation		Page: 1 of 4		
		Coordinates: X-611049.0 Y-682746.2		Depth of Boring: 36.00		
End Date: 10/10/2006		Elevation: 15.00		Geologist: M. Merdinger		
		Drill Subcontractor: TPI		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete floor (staining). No sample taken.	0.0 ppm		
				137-B5A (0.5-1.0)	MS/MSD, Cr+6, TAL Metals
2		FILL: Dark Reddish Brown (5YR 3/2) SILT, little Gravel, dry. No odor.	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
4		FILL: Black (Gley N2.5/0) ROCK fragments, Slag, Rust and Lime Green staining, dry. No odor.	0.0 ppm		
			0.0 ppm		
			0.0 ppm	137-B5B(4.0-4.5) 137-B5BD(4.0-4.5)	Cr+6, TAL Metals
6		FILL: Olive Gray (5Y 5/2) CLAY, some Lime Green staining, little Silt, trace Gravel, 15% COPR, moist.	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
8		FILL: Olive Gray (5Y 5/2) SILTY CLAY. Little fine Sand and Gravel, 15% COPR, wet. (WASTE MUD)	0.0 ppm		
			0.0 ppm		
			0.0 ppm	137-B5C (8.0-8.5)	Cr+6, TAL Metals
10		FILL: Olive Gray (5Y 5/2) SILTY CLAY. Little fine Sand and Gravel, 50-90% COPR, heavy Lime Green staining, wet. Odor. (WASTE MUD)	0.0 ppm		
			0.0 ppm		
			0.0 ppm		

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<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 137-B5		
		Site: Site 137				
Start Date: 10/10/2006		Project: Site Investigation		Page: 2 of 4		
		Coordinates: X-611049.0 Y-682746.2		Depth of Boring: 36.00		
End Date: 10/10/2006		Elevation: 15.00		Geologist: M. Merdinger		
		Drill Subcontractor: TPI		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Dark Gray (5Y 4/1) GRAVEL, some Silt, wet. Odor.	0.0 ppm		
			0.0 ppm		
14		FILL: Olive Gray (5Y 5/2) SILTY CLAY, little fine Sand and Gravel, 50-90% COPR, wet. Ammonia odor. (WASTE MUD)	0.0 ppm	137-B5D (12.5-13.0)	Cr+6, TAL Metals
			0.0 ppm		
0.0 ppm					
0.0 ppm					
16			0.0 ppm	137-B5E (16.0-16.5)	Cr+6, TAL Metals
0.0 ppm					
18			0.0 ppm		
0.0 ppm					
20		PEAT: Very Dark Gray (5Y 3/1) PEAT (Meadow Mat), Organics, firm, moist. Sulfur odor.	0.0 ppm		
			0.0 ppm	137-B5F (21.0-21.5)	Cr+6, TAL Metals

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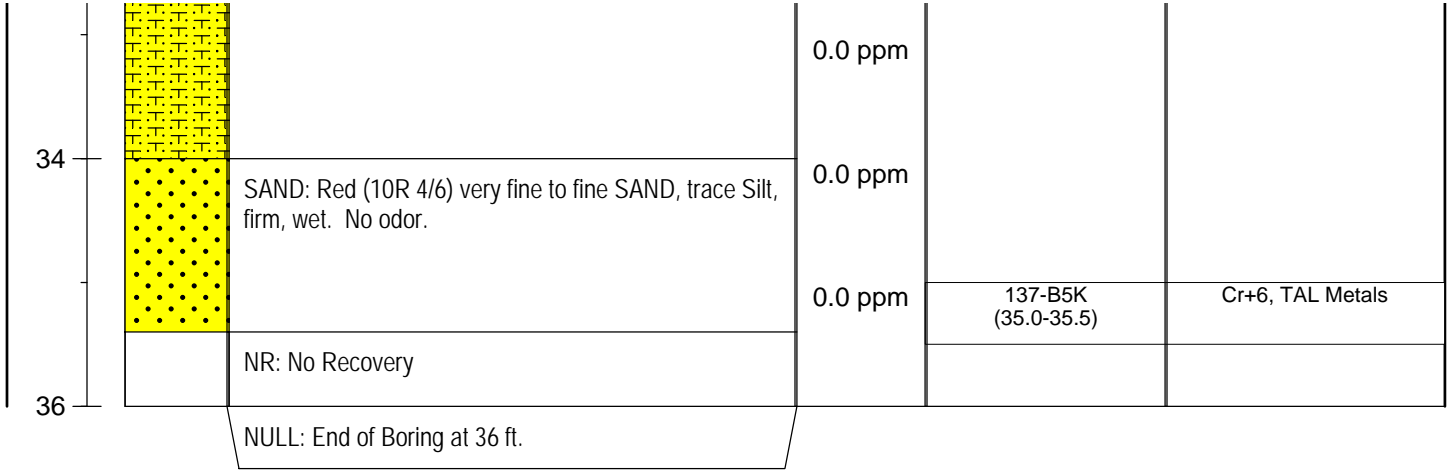
<div>ENSR AECOM</div>		Client: PPG Industries			BORING ID: 137-B5		
		Site: Site 137					
Start Date: 10/10/2006		Project: Site Investigation			Page: 3 of 4		
		Coordinates: X-611049.0 Y-682746.2			Depth of Boring: 36.00		
End Date: 10/10/2006		Elevation: 15.00			Geologist: M. Merdinger		
		Drill Subcontractor: TPI			Driller: Heath Kneller		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

22			0.9 ppm		
			7.8 ppm	137-B5G (23.0-23.5)	Cr+6, TAL Metals
24	NR: No Recovery	PEAT: Very Dark Gray (5Y 3/1) PEAT (Meadow Mat), Organics, firm, moist. Sulfur odor.	0.0 ppm		
			0.0 ppm	137-B5H (25.0-25.5)	Cr+6, TAL Metals
26			0.0 ppm		
		CLAY: Dark Greenish Gray (5G 4/1) CLAY, little coarse Sand, firm, moist. No odor.	0.0 ppm	137-B5I (27.0-27.5)	Cr+6, TAL Metals
		SILTY SAND: Weak Red (2.5YR 4/2) fine to coarse SILT SAND, trace Gravel, wet. No odor.	0.0 ppm		
28	NR: No Recovery		0.0 ppm		
		GRAVEL AND CLAY: Dark Gray (Gley N4/0) GRAVEL and interbedded CLAY, some fine Sand, wet. No odor.	0.0 ppm		
		SILTY SAND: Red (10R 4/6) very fine to coarse SAND, some Silt, trace Gravel, wet. No odor.	0.0 ppm	137-B5J (30.5-31.0)	Cr+6, TAL Metals
30			0.0 ppm		
	NR: No Recovery		0.0 ppm		
32		SILTY SAND: Red (10R 4/6) very fine SILTY SAND, loose, wet. No odor.	0.0 ppm		

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG Industries	<div>BORING ID:</div> <div>137-B5</div>		
		Site: Site 137			
<div>Start Date:</div> <div>10/10/2006</div>		Project: Site Investigation	Page: 4 of 4		
		Coordinates: X-611049.0 Y-682746.2	Depth of Boring: 36.00		
<div>End Date:</div> <div>10/10/2006</div>		Elevation: 15.00	Geologist: M. Merdinger		
		Drill Subcontractor: TPI	Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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ENSR AECOM		Client: PPG Industries		BORING ID: 137-B6		
		Site: Site 137				
Start Date: 12/4/2006		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-611049.5 Y-682623.7		Depth of Boring: 28.00		
End Date: 12/6/2006		Elevation: 14.79		Geologist: R. Firely		
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		ASPHALT: ASPHALT			
		FILL: Dark Reddish Brown (5YR 3/4) medium to coarse SAND and fine to medium GRAVEL, slightly moist, loose, 100% COPR.		137-B6A (0.9-1.3)	MS/MSD, Cr+6, TAL Metals
2		FILL: (10YR 3/3) fine to medium SAND and SILT, little fine to coarse Gravel, trace brick fragments, slightly moist, slightly cohesive, loose.		137-B6B (2.5-3.0)	Cr+6, TAL Metals
4		FILL: Dark Greenish Gray (5G 4/1) fine to medium SAND and SILT, little fine to coarse Gravel and Concrete, saturated at 4.1 feet (100% waste mud), loose	0.1 ppm	137-B6C (4.2-4.7)	Cr+6, TAL Metals
6		FILL: Dark Greenish Gray (5G 4/1) and (2.5YR 4/2) at 1.5-2.8 feet fine SAND and SILT, trace coarse Sand and Grave, trace Clay, saturated, cohesive.			
8		NR: No Recovery			
		FILL: Greenish Gray (5G 6/2) with (2.5YR 4/2) at 2.9-3.3 feet 100% waste MUD, fine SAND and SILT, trace medium to coarse Sand, saturated, cohesive.	0.0 ppm	137-B6D(8.2-8.7) 137-B6DD(8.2-8.7)	Cr+6, TAL Metals
10					

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<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 137-B6	
		Site: Site 137			
Start Date: 12/4/2006		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611049.5 Y-682623.7		Depth of Boring: 28.00	
End Date: 12/6/2006		Elevation: 14.79		Geologist: R. Firely	
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		NR: No Recovery	0.0 ppm	137-B6E (12.2-12.7)	Cr+6, TAL Metals
		FILL: Greenish Gray (5G 6/2) with (2.5YR 4/2) at 2.9-3.3 feet 100% waste MUD, fine SAND and SILT, trace medium to coarse Sand, saturated, cohesive.			
14		FILL: Dark Reddish Brown (5YR 3/2) fine to coarse SAND and GRAVEL, saturated, loose.	26.2 ppm	137-B6F (14.5-15.0)	Cr+6, TAL Metals
		NR: No Recovery			
16		FILL: WASH	26.2 ppm	137-B6G (16.3-16.8)	Cr+6, TAL Metals
		PEAT: Very Dark Gray (10YR 3/1) PEAT			
18		NR: No Recovery	4.5-0.8 ppm		
		CLAY: Very Dark Gray (10YR 3/1) CLAY, some Silt,		137-B6H (20.0-20.5)	Cr+6, TAL Metals
20					

NOTES:

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		Client: PPG Industries			BORING ID: 137-B6		
		Site: Site 137					
Start Date: 12/4/2006		Project: Site Investigation			Page: 3 of 3		
		Coordinates: X-611049.5 Y-682623.7			Depth of Boring: 28.00		
End Date: 12/6/2006		Elevation: 14.79			Geologist: R. Firely		
		Drill Subcontractor: EB/TPI			Driller: Heath Kneller		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 137-B7		
		Site: Site 137				
Start Date: 12/4/2006		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-611248.5 Y-682813.9		Depth of Boring: 28.00		
End Date: 12/6/2006		Elevation: 13.44		Geologist: R. Firely		
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

<div> <div>0</div> <div>2</div> <div>4</div> <div>6</div> <div>8</div> <div>10</div> </div>	<div> <div>ASPHALT: ASPHALT</div> <div>FILL: Very Dark Gray (10YR 3/1) fine to coarse GRAVEL, little fine Sand and Silt, dry, loose.</div> <div>FILL: Dark Reddish Brown (5YR 3/2) fine SAND and SILT, and Grayish Green (5G 5/2) CONCRETE pieces, some medium to coarse SAND, trace Gravel, dry, groundwater at 2.1 feet, loose.</div> <div>FILL: Dark Greenish Gray (5G 4/1) SILT (waste mud), saturated, loose to slightly cohesive.</div> <div>FILL: Dark Greenish Gray (5G 4/1) SILT (waste mud), saturated, loose to slightly cohesive.</div> </div>	0.0 ppm	0.0 ppm	137-B7A (0.2-0.7)	Cr+6, TAL Metals
				137-B7B (0.7-1.2)	MS/MSD, Cr+6, TAL Metals
				137-B7C (4.5-5.0)	Cr+6, TAL Metals
		0.0 ppm	0.0 ppm	137-B7D (8.5-9.5)	MS/MSD, Cr+6, TAL Metals

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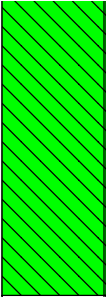

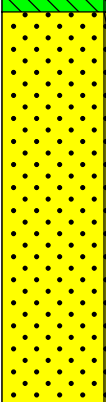
<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 137-B7		
		Site: Site 137				
Start Date: 12/4/2006		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611248.5 Y-682813.9		Depth of Boring: 28.00		
End Date: 12/6/2006		Elevation: 13.44		Geologist: R. Firely		
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Dark Greenish Gray (5G 4/1) SILT (waste mud), saturated, loose to slightly cohesive.	0.0-2.6 ppm	137-B7E (12.5-13.0)	Cr+6, TAL Metals
		FILL: Black (10YR 2/1) fine to coarse SAND and fine to medium GRAVEL, saturated, loose. MGP-like odor and sheen.			
14		PEAT: Very Dark Gray (10YR 3/1) PEAT	3.0-116 ppm	137-B7F (14.5-15.0)	Cr+6, TAL Metals
		PEAT: Very Dark Gray (10YR 3/1) PEAT			
16		PEAT: Very Dark Gray (10YR 3/1) PEAT	6.3 ppm	137-B7G (16.5-17.0)	Cr+6, TAL Metals
		PEAT: Very Dark Gray (10YR 3/1) PEAT			
18		PEAT: Very Dark Gray (10YR 3/1) PEAT	6.3 ppm		
		PEAT: Very Dark Gray (10YR 3/1) PEAT			
20		PEAT: Very Dark Gray (10YR 3/1) PEAT	6.3 ppm	137-B7H (20.2-20.7)	Cr+6, TAL Metals
		PEAT: Very Dark Gray (10YR 3/1) PEAT			

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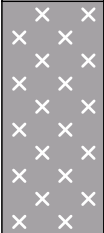

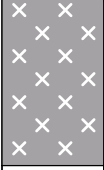
ENSR AECOM		Client: PPG Industries		BORING ID: 137-B7		
		Site: Site 137				
Start Date: 12/4/2006		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611248.5 Y-682813.9		Depth of Boring: 28.00		
End Date: 12/6/2006		Elevation: 13.44		Geologist: R. Firely		
		Drill Subcontractor: EB/TPI		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

22		CLAY: Dark Gray (10YR 4/1) CLAY grading to fine Sand, Silt and Clay, saturated, cohesive.	0.0 ppm		
		NR: No Recovery			
24		CLAY: Dark Gray (10YR 4/1) CLAY grading to fine Sand, Silt and Clay with coarse Gravel, saturated, cohesive.		137-B7I (24.0-24.5)	Cr+6, TAL Metals
		SAND: Dark Reddish Brown (5YR 3/2) fine SAND grading to fine to medium Gravel and coarse Sand, saturated, loose.		137-B7J (24.5-25.0)	Cr+6, TAL Metals
26					
		NR: No Recovery			
28		NULL: End of Boring at 28 ft.			

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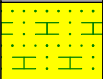
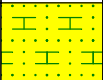
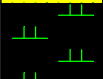
		Client: PPG Industries		BORING ID: 137-B8		
		Site: Site 137				
Start Date: 1/25/2007		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-610766.9 Y-682546.5		Depth of Boring: 32.00		
End Date: 1/25/2007		Elevation: 15.53		Geologist: P. Kelly		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: ASPHALT			
		FILL: Gray coarse GRAVEL (asphalt sub-base)			
2		FILL: Dark Reddish Brown (2.5YR 2.5/3) coarse SAND, some fine to coarse Gravel and Silt, little fine Gravel, brick fragments and 20% COPR, dry.	0.0 ppm	137-B8A (1.2-1.4)	MS/MSD, Cr+6, TAL Metals
4		FILL: Dark Reddish Brown (2.5YR 2.5/3) coarse SAND, some fine gravel-sized COPR (30%) and fine Gravel, dry.	0.0 ppm	137-B8B(3.8-4.2) 137-B8BD(3.8-4.2)	Cr+6, TAL Metals Cr+6, TAL Metals
6		FILL: Dark Reddish Brown (2.5YR 2.5/3) coarse SAND, some fine gravel-sized COPR (30%) and fine Gravel, dry.	22.1 ppm		
8		FILL: Black (10YR 2/1) fine SAND, little fine to medium Gravel, petroleum sheen observed, moist. Diesel fuel odor.	98.5 ppm	137-B8C(7.0-7.2)	Cr+6, TAL Metals
		NR: No Recovery	0.0 ppm		
		FILL: Grayish Brown (10YR 5/2) coarse SAND, some Silt and Clay, little fine Gravel, wet.	0.0 ppm	137-B8D(9.1-9.4)	Cr+6, TAL Metals
		NR: No Recovery	0.0 ppm		
10			0.0 ppm		

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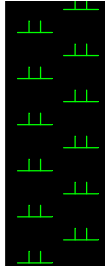
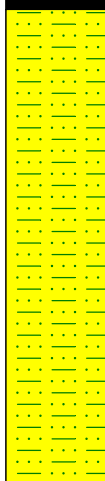
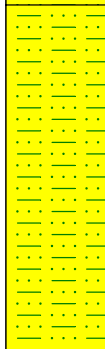
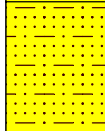
		Client: PPG Industries		BORING ID: 137-B8		
		Site: Site 137				
Start Date: 1/25/2007		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610766.9 Y-682546.5		Depth of Boring: 32.00		
End Date: 1/25/2007		Elevation: 15.53		Geologist: P. Kelly		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

12		FILL: Lime Green SILT and CLAY, little fine Gravel, moist.	NA		
				137-B8E(13.2-13.5)	Cr+6, TAL Metals
14		FILL: Black (2.5YR 2.5/1) ASH, some fine Sand, little fine Gravel, trace glass and ceramic fragments, moist. Strong organic odor.		137-B8F(14.8-15.1)	Cr+6, TAL Metals
		NR: No Recovery			
16		FILL: Black (2.5YR 2.5/1) ASH, some fine Sand, little fine Gravel, trace glass and ceramic fragments, moist. Strong organic odor.	0.0 ppm		
		SILT AND CLAY: Brown (10YR 4/3) CLAY and SILT, little organics, moist.		137-B8G (17.1-17.8)	Cr+6, TAL Metals
18			0.0 ppm		
		NR: No Recovery			
20		SILT AND CLAY: Brown (10YR 4/3) CLAY and SILT, little organics, moist.	0.0 ppm		
		PEAT: Dark Brown (7.5 YR 3/2) CLAY and ORGANICS (meadow mat), moist.	0.0 ppm		

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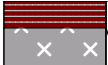
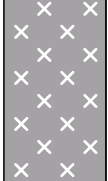
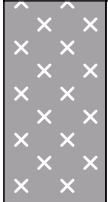
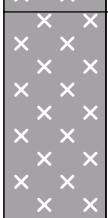
<div>ENSR AECOM</div>		Client: PPG Industries		BORING ID: 137-B8	
		Site: Site 137			
Start Date: 1/25/2007		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-610766.9 Y-682546.5		Depth of Boring: 32.00	
End Date: 1/25/2007		Elevation: 15.53		Geologist: P. Kelly	
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

22			0.0 ppm	137-B8H(22.1-22.4)	Cr+6, TAL Metals
			0.0 ppm		
24		CLAYEY SAND: Gray (10YR 5/1) fine SAND, some Clay and Silt, wet.		137-B8I(24.9-25.2)	Cr+6, TAL Metals
26					
28		CLAYEY SAND: Gray (10YR 5/1) fine SAND, some Clay and Silt, wet.	NA		
30					
		SAND AND SILT: Dark Red (2.5YR 3/6) coarse SAND, some Silt, little Clay, trace fine Sand, wet.			
32					
	NULL: End of Boring at 32 ft.				

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		Client: PPG Industries		BORING ID: 137-B9		
		Site: Site 137				
Start Date: 1/23/2007		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-610859.4 Y-682723.5		Depth of Boring: 28.00		
End Date: 1/23/2007		Elevation: 16.55		Geologist: P. Kelly		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: ASPHALT			
		FILL: Coarse GRAVEL Asphalt sub-base.			
2		FILL: Dark Yellowish Brown (10YR 4/4) medium SAND, little fine to medium Gravel and COPR (20%), trace woody organics, moist.	0.0 ppm	137-B9A (1.0-1.4)	Cr+6, TAL Metals
		FILL: Dark Reddish Brown (2.5YR 2.5/3) coarse SAND, some fine gravel-sized COPR (40%), little fine Gravel and Silt, trace woody organics.		137-B9B(3.2-3.4)	Cr+6, TAL Metals
4		FILL: Dark Reddish Brown (2.5 YR 3/4) fine Gravel, some Sand and Silt, little fine gravel-sized COPR (10%).	0.1 ppm	137-B9E (4.6-5.1)	Cr+6, TAL Metals
		FILL: Greenish Gray (5G 5/1) SILT (mottled with bright green fine Sand and Clay), trace fine Gravel, dense.	0.0 ppm	137-B9F (6.3-6.7)	Cr+6, TAL Metals
8		FILL: Greenish Gray (5G 5/1) SILTY CLAY, some fine Sand, very dense.	0.0 ppm	137-B9G(9.2-9.5)	Cr+6, TAL Metals
			0.0 ppm		

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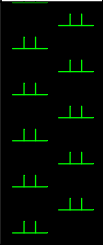
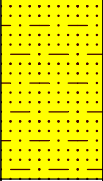
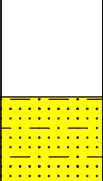
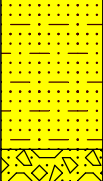

		Client: PPG Industries		BORING ID: 137-B9	
		Site: Site 137			
Start Date: 1/23/2007		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-610859.4 Y-682723.5		Depth of Boring: 28.00	
End Date: 1/23/2007		Elevation: 16.55		Geologist: P. Kelly	
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

10			0.0 ppm		
		NR: No Recovery			
12		FILL: Greenish Gray (5G 5/1) SILTY CLAY, some fine Sand, very dense.	0.0 ppm		
			0.0 ppm	137-B9H (12.5-13.2)	Cr+6, TAL Metals
			2.0 ppm		
14		FILL: Very Dark Grayish Brown (10YR 3/2) fine to medium GRAVEL and ASH, little coarse Sand, Silt and ceramic pieces.	0.0 ppm		
			0.0 ppm	137-B9I(15.1-15.4)	Cr+6, TAL Metals
16		FILL: Very Dark Grayish Brown (10YR 3/2) fine to medium GRAVEL and ASH, little coarse Sand, Silt and ceramic pieces.	NA		
		FILL: Very Dark Grayish Brown (10YR 3/2) fine to medium GRAVEL and ASH, little coarse Sand, Silt and ceramic pieces. Black staining			
18		NR: No Recovery			

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		Client: PPG Industries		BORING ID: 137-B9		
		Site: Site 137				
Start Date: 1/23/2007		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-610859.4 Y-682723.5		Depth of Boring: 28.00		
End Date: 1/23/2007		Elevation: 16.55		Geologist: P. Kelly		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

20		PEAT: Dark Brown (10YR 3/3) CLAY and ORGANICS (meadow mat).	NA	137-B9J (20.0-20.5)	Cr+6, TAL Metals
22		SAND AND SILT: Gray (5Y 5/1) fine SAND and SILT, some Clay, trace organics.	NA		
				137-B9K(22.5-22.9)	Cr+6, TAL Metals
24		NR: No Recovery	NA		
		SAND AND SILT: Gray (5Y 5/1) fine SAND and SILT, some Clay, trace organics.			
26		GRAVEL: Reddish Brown (2.5YR 4/3) fine to coarse GRAVEL, some coarse Sand, wet.	0.0 ppm		
28		NR: No Recovery			
		NULL: End of Boring at 28 ft. Borehole collapsed to 18 ft after last sample.			

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Client: PPG Industries**Site:** Site 137**Site Location:** Jersey City, NJ**Geologist:** P. Kelly, M. Merdinger**Drilling Company:** Eichelbergers**Driller:** J. Malecki**Drilling Date:** 12/11/2006**Well Completion Date:** 3/15/2007**Elevation:** 14.71**State Plane Coordinates** X: 683020.2 Y: 611036.7**Drilling Method:** HSA/Mud Rotary**ENSR** | **AECOM****137-MW1C**

Page: 1 of 9

Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
0		2 in dia PVC Riser Bentonite-cement Grout 6 in and 10 in Steel Casings				Asphalt
						Gray coarse GRAVEL (Sub-surface Macadam)
		137-1CA (0.8-1.3) Cr+6, TAL Metals	0.0			Gray coarse GRAVEL (Sub-macadam)
						Dark Brown coarse SAND, some fine Gravel, little fine gravel-sized COPR (10%).
						Dark Brown-Red medium SAND, fine gravel-sized COPR (40%), little woody organics, loose, dry. No odor.
		137-1CB (2.6-3.1) Cr+6, TAL Metals	0.0			Red-brown coarse SAND, some fine gravel-sized COPR (30%), little fine Gravel.
						Brown coarse SAND, little fine to medium gravel-sized COPR (10%), loose, wet. No odor.
		137-1CC (4.1-4.6) Cr+6, TAL Metals				Red and Green SILT and medium SAND, some fine gravel-sized COPR (25%), wet.
						Gray coarse SAND, little fine to medium gravel-sized COPR (10%), loose, wet. No odor.
		137-1CC (5.0-5.5) Cr+6, TAL Metals	0.0	4		Dark Reddish Gray (5YR 4/2) SILT and fine sub-angular GRAVEL, 70% COPR, wet, very loose. No odor.
				3		
				2		No Recovery
				2		
			0.0	3		Dark Reddish Gray (5YR 4/2) SILT and fine sub-angular GRAVEL, 75% COPR, wet, very loose. No odor.
				3		
			0.0	3		

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Client: PPG Industries**Site:** Site 137**Site Location:** Jersey City, NJ**Geologist:** P. Kelly, M. Merdinger**Drilling Company:** Eichelbergers**Driller** J. Malecki**Drilling Date:** 12/11/2006**Well Completion Date:** 3/15/2007**Elevation** 14.71**State Plane Coordinates** X: 683020.2 Y: 611036.7**Drilling Method:** HSA/Mud Rotary**ENSR** | **AECOM****137-MW1C**

Page: 2 of 9

Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
9		137-1CD (8.1-9.0) Cr+6, TAL Metals 137-1CDD (8.1-9.0) Cr+6, TAL Metals	0.0	3		Grayish Brown (2.5Y 5/2) medium to coarse SAND, some Silt, little fine rounded Gravel, trace Clay. Black, Green and Teal staining, 50% medium gravel-sized COPR (green stained), wet, medium dense. No odor.
				23		Mint Green SILT, little coarse Sand, trace Clay, moist, cohesive, very stiff. No odor. (100% Waste Mud)
		137-1CE (9.5-10.0) Cr+6, TAL Metals	0.0	14		Brown (7.5YR 5/2) coarse SAND, little fine angular Gravel and Silt, moist, loose. No odor.
10				7		Bright Lime Green strong cemented SILT, little fine sub-angular Gravel, moist, loose. No odor. (100% Waste Mud)
		137-1CF (10.3-10.7) Cr+6, TAL Metals	0.0	4		No Recovery
				2		Olive Gray (5Y 5/2) with Lime Green staining SILT, little coarse Sand, trace Clay, moist, cohesive, soft. Chemical/Sewage odor. (100% Waste Mud)
		137-1CG (11.5-12.0) Cr+6, TAL Metals	0.0	2		Dark Reddish Brown (5YR 4/3) SILT, trace fine sub-angular Gravel, moist, very loose. Raw sewage odor.
				3		Black-stained PEAT, moist, cohesive, very soft. Sulfur odor.
			1.0	3		No Recovery
		137-1CH (14.0-14.5) Cr+6, TAL Metals		1		Very Dark Gray (5Y 3/1) organic CLAY, trace Peat, cohesive, very soft, moist. Sulfur odor.
15			1.0	1		No Recovery
				1		Very Dark Gray (5Y 3/1) organic CLAY, trace Peat, cohesive, very soft, moist. Sulfur odor.
16		137-1CI (16.0-17.0)	2.2	WH		No Recovery

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983

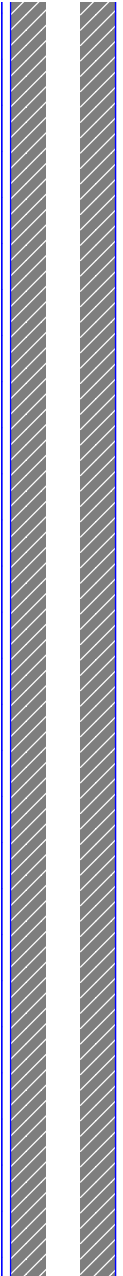
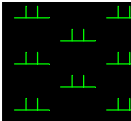
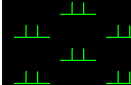
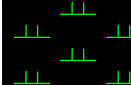
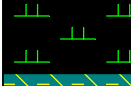
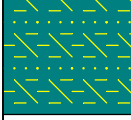
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Client: PPG Industries**Site:** Site 137**Site Location:** Jersey City, NJ**Geologist:** P. Kelly, M. Merdinger**Drilling Company:** Eichelbergers**Driller** J. Malecki**Drilling Date:** 12/11/2006**Well Completion Date:** 3/15/2007**Elevation** 14.71**State Plane Coordinates** X: 683020.2 Y: 611036.7**Drilling Method:** HSA/Mud Rotary

ENSR | AECOM

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
17		MS/MSD, Cr+6, TAL Metals	1.0	1		No Recovery
		137-1CJ (17.4-18.0) Cr+6, TAL Metals				
18		137-1CJD (17.4-18.0) Cr+6, TAL Metals	0.0	WH		No Recovery
19						
20			N/A	WH		
21			N/A	N/A		
22						
23		137-1CK (23.0-23.5) Cr+6, TAL Metals	1.5	2		Very Dark Gray (5Y 3/1) organic CLAY, trace organics, cohesive, soft, moist. Sulfur odor.
24		137-1CL (23.5-24.3) MS/MSD, Cr+6, TAL Metals	1.1	3		Dark Gray (2.5Y 4/1) CLAY and fine to medium SAND, some Silt and Wood peices, wet, cohesive, soft. Sulfur odor.

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description	
				3		No Recovery	
25			0.0	8		Dark Gray (2.5Y 4/1) CLAY and fine to medium SAND, some Silt and Wood peices, wet, cohesive, soft. Sulfur odor.	
			4.1	10		Very Dark Grayish Brown (10YR 3/2) Silty CLAY, little fine to medium Sand, moist, cohesive, stiff. Sulfur odor.	
26				12		Reddish Brown (2.5YR 4/4) very fine to fine SAND, some Silt and Gray COBBLES, trace fine rounded Gravel, moist, medium dense. No odor.	
			0.0	12		Reddish Brown (2.5YR 4/4) very fine to fine SAND, some Silt and Gray COBBLES, trace fine rounded Gravel, moist, medium dense. No odor.	
27				8		Very Dark Grayish Brown (10YR 3/2) SILT, little Clay and fine Sand, Wood peices, wet, loose. No odor.	
		137-1CM (27.5-28.0) Cr+6, TAL Metals		8		Very Dark Grayish Brown (10YR 3/2) SILT, little Clay and fine Sand, Wood peices, wet, loose. No odor.	
28				0.0	10		Dusky Red (10R 3/4) and Gray fine to medium rounded GRAVEL, wet, loose. No odor.
					10		Dusky Red (10R 3/4) and Gray fine to medium rounded GRAVEL, wet, loose. No odor.
29				0.0	1/18 in		Weak Red (2.5YR 4/2) medium to coarse SAND, little Silt, trace Clay, wet, very loose. No odor.
							No Recovery
30					2		No Recovery
				0.0	1		Weak Red (2.5YR 4/2) medium to coarse SAND, little Silt, trace Clay, wet, very loose. No odor.
31			137-1CN (31.5-32.0) Cr+6, TAL Metals		1		Weak Red (2.5YR 4/2) medium to coarse SAND, little Silt, trace Clay, wet, very loose. No odor.
				0.0	2		Weak Red (10R 4/4) SILT and very fine SAND, wet, very loose. No odor.
32							Weak Red (10R 4/4) SILT and very fine SAND, wet, very loose. No odor.

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
33				1		
			0.0	2		
				2		No Recovery
34				2		
				2		
35			0.0	3		Weak Red (10R 4/4) very fine to medium SAND, some to little Silt, trace to none round Gravel, wet, very loose. No odor.
				3		
36			0.0	4		No Recovery
				5		
37			0.0	4		Weak Red (10R 4/4) very fine to fine SAND and SILT, wet, very loose. No odor.
				4		
38			0.0	4		Weak Red (10R 4/4) SILT, little very fine Sand, wet, very loose. No odor.
				4		No Recovery
39			0.0	3		Weak Red (10R 4/4) SILT, little to trace very fine Sand, wet, very loose. No odor.
				3		
40			0.0	4		
				5		No Recovery

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
41			0.0	3		Weak Red (10R 4/4) SILT, trace very fine Sand, wet, loose. No odor.
				4		
42			0.0	4		No Recovery
				6		
43			0.0	3		Weak Red (10R 4/4) SILT, very loose, wet. No odor.
				4		
44				4		No Recovery
				4		
45			0.0	5		Weak Red (10R 4/4) SILT, little to trace very fine Sand, wet, loose. No odor.
				5		
46			0.0	5		No Recovery
				5		
47			0.0	3		Weak Red (10R 4/4) very fine SAND and SILT, wet, very loose. No odor.
				2		
48			0.0	2		Reddish Brown (5YR 4/3) CLAY, trace interbedded very fine Sand, cohesive, very soft, moist. No odor.
				2		No Recovery

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
49			0.0	3		Reddish Brown (5YR 4/3) CLAY, some interbedded very fine Sand, cohesive, soft, moist. No odor.
				3		
50			0.0	3		
				4		Gray (2.5Y 5/1) CLAY, cohesive, soft, moist. No odor.
51			0.0	4		Gray (2.5Y 5/1) CLAY, some interbedded Reddish Brown (5YR 4/3) very fine Sand and Silt, moist, cohesive, soft. No odor.
				4		
52			0.0	4		
				4		Gray (2.5Y 5/1) CLAY and Reddish Brown (5YR 4/3) SILT interbedded, little very fine Sand, wet, cohesive, very soft. No odor.
53			0.0	2		Reddish Brown (5YR 4/3) SILT, little very fine Sand, trace Clay, wet, very loose. No odor.
				2		Reddish Brown (5YR 4/3) SILT and CLAY, little interbedded Gray (2.5Y 5/1) Clay and very fine Sand, moist, cohesive, very soft. No odor.
54			0.0	2		
				2		
55			0.0	5		No Recovery
				5		Reddish Brown (5YR 4/3) SILT, trace Clay, interbedded with Reddish Brown very fine Sand (every 0.25 ft.) and Gray (2.5Y 5/1) Clay lenses, moist, cohesive, soft. No odor.
56			0.0	4		
				4		
				4		No Recovery

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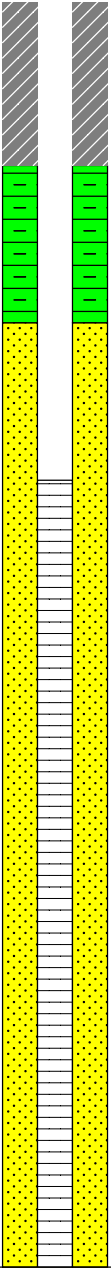
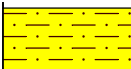
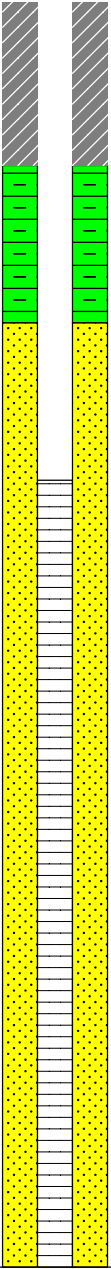
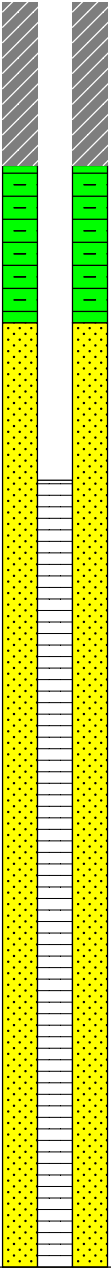

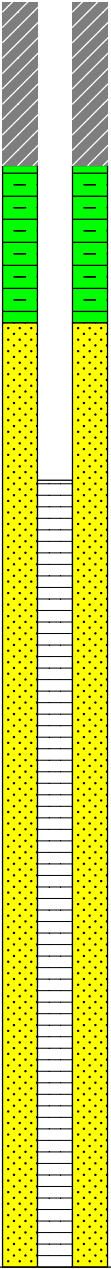
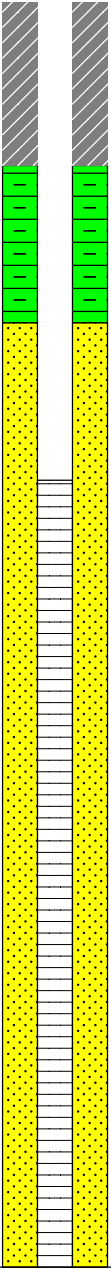
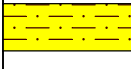
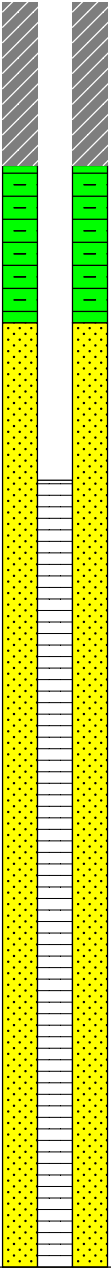
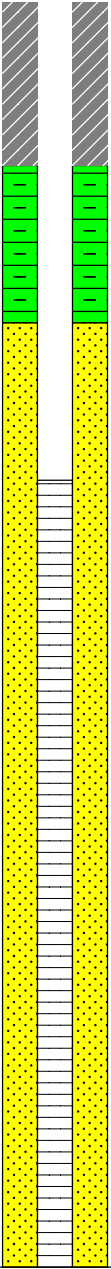
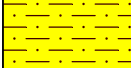
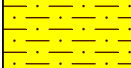
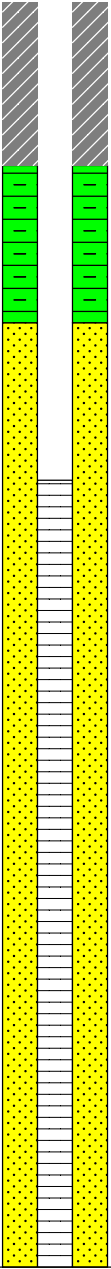
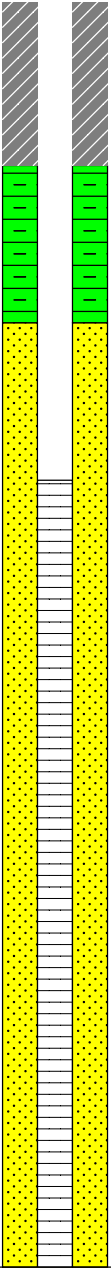
Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
57			0.0	4		Reddish Brown (5YR 4/3) SILT, trace Clay, interbedded with Reddish Brown very fine Sand (every 0.25 ft.) and Gray (2.5Y 5/1) Clay lenses, moist, cohesive, medium. No odor.
				5		
58			0.0	6		
				7		No Recovery
59			0.0	4		Reddish Brown (5YR 4/3) very fine SAND, little Silt, moist, very loose. No odor.
				4		Reddish Brown (5YR 4/3) SILT, little Clay, interbedded with trace very fine Sand, moist, cohesive, medium. No odor.
60			0.0	11		
				15		No Recovery
61			0.0	9		Reddish Brown (5YR 4/3) SILT, little Clay, interbedded with trace very fine Sand, wet, cohesive, medium. No odor.
				11		
62			0.0	16		Reddish Brown (5YR 4/3) SILT, trace very fine Sand, wet, medium dense. No odor.
				12		Reddish Brown (5YR 4/3) fine to coarse SAND and fine rounded GRAVEL, little Silt, trace Clay, moist to wet, medium dense. No odor.
63			0.0	10		No Recovery
				9		Reddish Brown (5YR 4/3) SILT, some to little fine to coarse sub-angular Gravel, little very fine to medium Sand, trace Clay, moist, loose. No odor.
64				9		No Recovery
				10		Reddish Brown (5YR 4/3) SILT, some to little fine to coarse sub-angular Gravel, little very fine

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
65		#00 Sand Seal	0.0	11		to medium Sand, trace Clay, moist, medium dense. No odor.
66				14		No Recovery
		#1 Sand Filter Pack	0.0	12		
				12		Reddish Brown (5YR 4/3) SILT, some fine to coarse Sand, little fine to medium sub-angular Gravel, trace Clay, wet, loose. No odor.
67		#1 Sand Filter Pack	0.0	11		
				11		No Recovery
68		2 in dia 10-Slot PVC Screen	0.0	7		
				4		Reddish Brown (5YR 4/3) SILT, some fine to coarse Sand, little fine to coarse sub-angular Gravel, trace Clay, wet, loose. No odor.
69		2 in dia 10-Slot PVC Screen	0.0	11		
				8		No Recovery
70		2 in dia 10-Slot PVC Screen	0.0	4		
				8		
71		2 in dia 10-Slot PVC Screen	0.0	23		Reddish Brown (5YR 4/3) SILT, some fine to coarse angular Gravel, trace coarse Sand, moist, dense to very dense. No odor.
				32		
72		2 in dia 10-Slot PVC Screen	0.0	41		No Recovery
				50/2		Refusal at 73 ft.
73		2 in dia 10-Slot PVC Screen	0.0			

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137-MW2C

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
0		2 in dia PVC Riser Bentonite-cement Grout 6 in and 10 in Steel Casings	0.0			Asphalt
1		137-MW2CA (0.4-0.6) Cr+6, TAL Metals	0.0			Fine to coarse GRAVEL, little fine Sand and Silt, trace Clay, loose around 1.7, some black fabric, moist.
2		137-MW2CB (1.7-2.2) MS/MSD, Cr+6, TAL Metals				Gray (5g, 4/2) fine SAND and SILT, little medium to coarse Sand, trace COPR (5YR, 3/3), (100% waste mud), slightly cohesive, moist.
3						No Sample
4						End of Soft Dig
5		137-2CE (5.0-5.5) Cr+6, TAL Metals	0.0	10		Black fine to medium semi-round GRAVEL, little Silt, loose, wet. no odor.
6			0.0	6		Greenish-Gray (5GY, 5/1) SILT and Black fine to medium, semi-round GRAVEL, trace coarse Sand, lime green staining, loose, moist. (50% wastes mud). No odor.
7			0.0	6		No Recovery
8		137-2CF (7.5-8.0) Cr+6, TAL Metals		7		Mint Greenish-Gray SILT, trace Clay, cohesive, medium. No odor. (100% waste mud)
9			0.0	5		
				9		No Recovery
10			0.0	3		Mint Greenish-Gray SILT, trace coarse Sand and Clay, shell fragments, yellow staining, cohesive, medium. No odor. (100% waste mud)
				3		
				4		
				9		

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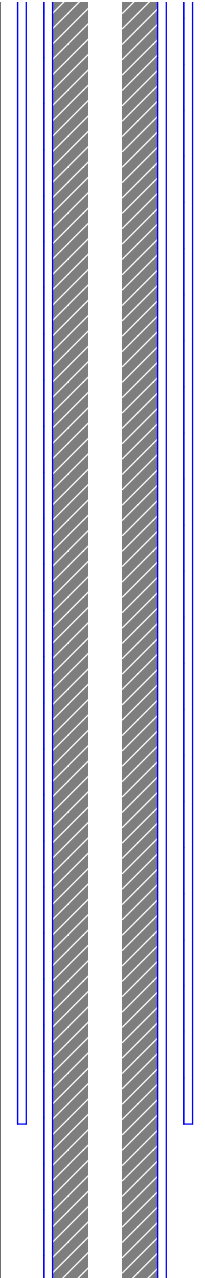












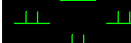





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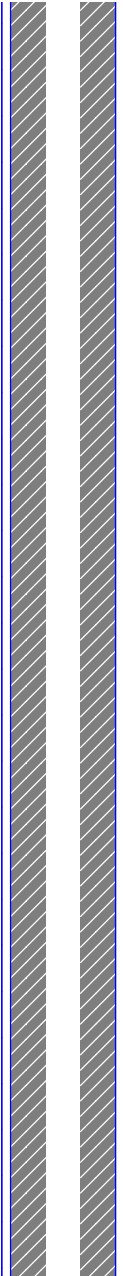
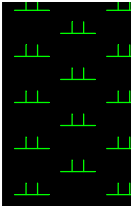
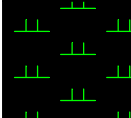
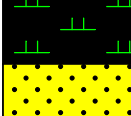
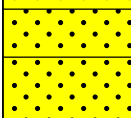
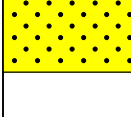
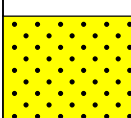
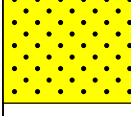
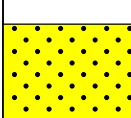
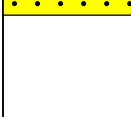

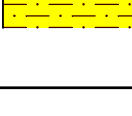
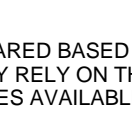

Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
11			0.0	5		No Recovery
		137-2CG (11.5-12.5) Cr+6, TAL Metals		5		Mint Greenish-Gray and Greenish-Gray (5GY, 5/1) mottled SILT, trace Clay and coarse Sand, cohesive, medium. No odor. (100% waste mud)
12		137-2CGD (11.5-12.5) Cr+6, TAL Metals	0.0	6		
				7		No Recovery
13			0.0	5		
				3		
14			0.0	8		Olive Brown (2.5Y, 4/3) SILT, some coarse Sand and round fine to medium Gravel, loose, moist. no odor. (50% waste mud)
				10		
15			0.0	3		Mint Greenish-Gray SILT, trace Clay and coarse Sand, Lime Green staining, cohesive, soft to medium, moist to wet. no odor. (100% waste mud)
		137-2CH (15.5-16.0) Cr+6, TAL Metals		4		
16			0.0	5		
				7		
17		137-2CI (17.0-17.5) Cr+6, TAL Metals	N/A	2		
				3		
18				3		Black organic CLAY, some Peat, COPR nodule at 17.8' with Teal Green staining, cohesive, soft, moist. Sulfur/MGP odor
				2		
19			N/A	2		
				2		Very Dark Gray (Gley N, 3/0) organic CLAY, little organics and Peat, cohesive, soft, moist. Sulfur odor.
20		137-2CJ (19.5-20.5) MS/MSD, Cr+6, TAL Metals		2		
				3		
				3		
21			6.7	WH		

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Client: PPG Industries**Site:** Site 137**Site Location:** Jersey City, NJ**Geologist:** P. Kelly, M. Merdinger**Drilling Company:** Eichelbergers**Driller** J. Malecki**Drilling Date:** 12/5/2006**Well Completion Date:** 3/1/2007**Elevation** 15.62**State Plane Coordinates** X: 682801.3 Y: 610918.2**Drilling Method:** HSA**ENSR** | **AECOM****137-MW2C**

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
22		137-2CJ (22.0-23.0) MS/MSD, Cr+6, TAL Metals	1.3	2		
23			5.4	2		
24		137-2CK (24.0-24.5) Cr+6, TAL Metals	1.0	4		Very Dark Gray (Gley N, 3/0) organic CLAY, little organics and Peat, trace medium Sand, cohesive, soft, moist. Raw sewage odor.
25		137-2CKD (24.0-24.5) Cr+6, TAL Metals	0.5	6		
26		137-2CL (24.5-25.0) Cr+6, TAL Metals	0.1	11		Dark Gray (5Y, 4/1) medium SAND, little Silt trace Clay and fine to coarse round Gravel, medium dense, moist. Slight odor.
27			0.0	12		Weak Red (2.5YR, 4/2) fine to coarse SAND, trace Silt and fine round Gravel, medium dense, wet. no odor
28		137-2CM (28.0-28.5) Cr+6, TAL Metals	0.0	13		Weak Red (10R, 5/4) very fine to fine SAND, trace Red and Gray Mudstone Cobbles, trace Gray medium Sand at 25.5', medium dense, wet. no odor.
29			0.0	14		No Recovery
30			0.0	9		Weak Red (2.5YR, 4/3) fine to coarse SAND, some fine to medium round Gravel, trace Silt, loose, moist. no odor.
31			0.0	8		No Recovery
				2		Reddish Brown (2.5YR 4/3) very fine to fine SAND, some Silt, trace fine round Gravel, very loose, wet. no odor.
				3		No Recovery
				3		No Recovery
				2		Reddish Brown (2.5YR 4/3) and Reddish Yellow (7.5YR,6/8) very fine to fine SANDY SILT, very loose, wet. no odor
				2		

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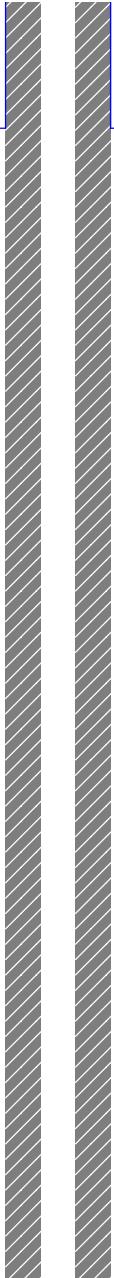
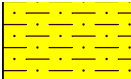
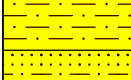
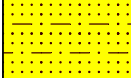
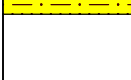




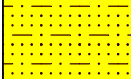
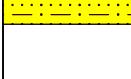


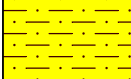
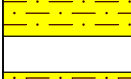



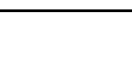
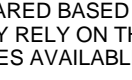
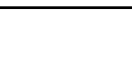

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ENSR | AECOM

137-MW2C

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
32		137-2CN (32.5-33.0) Cr+6, TAL Metals	0.0	3		
				3		
33			0.0	3		Weak Red (10R, 4/3) very fine SILT and SAND, very loose, wet. no odor
				2		
34			0.0	3		No Recovery
				2		
35			0.0	3		Weak Red (10R, 4/4) SILT, little very fine Sand, very loose, wet. no odor.
				3		
36				4		No Recovery
				5		
37			0.0	3		Weak Red (10R, 4/4) very fine SILT and SAND, very loose, wet. no odor.
				3		
38				4		No Recovery
				5		
39			0.0	4		Dark Grayish Brown (2.5Y, 4/2) coarse SAND, some fine to medium round Gravel, trace Silt and Clay, very loose, wet. no odor.
				4		
40			0.0	4		Weak Red (10R, 4/4) SILT, little very fine Sand, very loose, wet. no odor.
				4		
41			0.0	4		No Recovery
				4		
42			0.0	4		Weak Red (10R, 4/4) SILT, little very fine Sand, loose, wet. no odor.
				5		
			0.0	6		No Recovery

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
43				7		
			0.0	4		Reddish Brown(2.5YR, 5/4) very fine SAND, trace Silt, loose, wet. no odor.
				5		
44			0.0	6		No Recovery
				9		
45			0.0	4		Reddish Brown (5YR, 4/4) SILT and very fine SAND, loose, wet. no odor
				6		
46				7		No Recovery
				6		
47			0.0	4		Weak Red (10R, 4/4) SILT, some very fine Sand, loose, wet. no odor
				4		
48			0.0	5		No Recovery
				6		
49			0.0	3		Weak Red (10R, 4/4) SILT, some very fine Sand, very loose, wet. no odor
				4		
50				3		
				4		No Recovery
51			0.0	4		Dark Reddish Brown (2YR, 3/4) SILT and very fine SAND, loose, wet. no odor
				5		
52			0.0	7		
				7		No Recovery
53			0.0	6		Dark Reddish Brown (2YR, 3/4) SILT and very

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
54						
55			0.0	7		fine SAND, loose, wet. no odor
56				8		No Recovery
57			0.0	8		Reddish Brown (2.5YR, 4/4) SILT, little very fine Sand, medium dense, wet. no odor
58				11		No Recovery
59			0.0	8		Reddish Brown (2.5YR, 4/4) SILT, little very fine Sand, medium dense, moist. no odor
60				12		No Recovery
61			0.0	4		Reddish Brown (2.5YR, 4/4) SILT, little very fine Sand, medium dense, moist. no odor
62				4		No Recovery
63			0.0	4		Reddish Brown (2.5YR, 4/4) very fine SAND, some Silt, little Clay, cohesive, soft, wet. no odor.
			0.0	4		Reddish Brown (2.5YR 4/4) CLAY, little Silt, cohesive, soft, moist. no odor.
				5		No Recovery
			0.0	4		Reddish Brown (2.5YR 4/4) CLAY, little Silt, cohesive, soft, wet. no odor.
				4		Reddish Brown (2.5YR 4/4) CLAY, cohesive,

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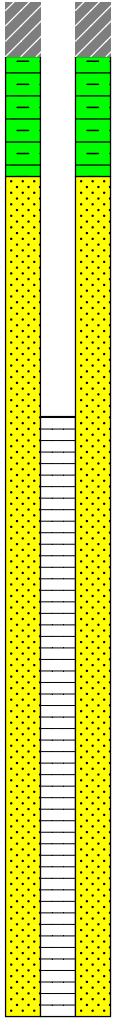
Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
64			0.0	8		medium, moist. no odor.
				7		No Recovery
65			0.0	5		Dark Reddish Gray (5YR, 4/2) CLAY, trace Silt, cohesive, medium, moist. no odor
				5		
66			0.0	6		Reddish Brown (2.5YR, 5/4) SILT, little Clay, cohesive, medium, moist. no odor.
				6		Reddish Brown (2.5YR, 5/4) CLAY, little Silt, cohesive, medium, moist. no odor.
67			0.0	4		Reddish Brown (2.5YR, 5/4) CLAY, little trace Silt, cohesive, soft, moist to wet. no odor.
				4		
68			0.0	4		
				4		
69			0.0	4		Reddish Brown (2.5YR, 5/4) CLAY, little trace Silt, cohesive, soft, moist. no odor.
				5		
70			0.0	6		Gray (2.5Y, 5/1) CLAY, trace lenses of Reddish Brown (2.5YR, 5/4) Silt, cohesive, medium, moist. no odor.
				6		
71			0.0	4		Reddish Brown (5YR, 5/3) CLAY and very fine SAND, cohesive, soft, wet. no odor.
				4		
72			0.0	4		Gray (2.5Y, 5/1) CLAY, some Reddish Brown (2.5YR, 5/4) very fine Sand lenses, cohesive, soft, moist. no odor
				4		
73			0.0	4		Reddish Brown (5YR, 5/3) CLAY and SILT, cohesive, soft, wet. no odor.
				5		
74			0.0	6		Gray (2.5Y, 5/1) CLAY and Reddish Brown (2.5YR, 5/4) very fine SAND interbedded, cohesive, medium, moist. no odor.

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
75		#00 Sand Seal	0.0	6		
76		#1 Sand Filter Pack	0.0	5		Gray (2.5Y, 5/1) CLAY, trace interbedded Reddish Brown (2.5YR, 5/4) very fine SAND, cohesive, medium, wet to moist. no odor.
77			0.0	5		Reddish Brown (5YR, 4/3) SILT with interbedded very fine Sand and Gray Clay, cohesive, medium, moist. no odor.
78		2 in dia 10-Slot PVC Screen	0.0	4		Reddish Brown (5YR, 4/3) CLAY, some Silt, little trace inbedded very fine Sand, cohesive, soft, moist. no odor
79			0.0	4		Dark Gray (5Y, 4/1) CLAY and SILT, trace interbedded very fine Reddish Brown Sand, cohesive, soft, moist. no odor.
80			0.0	5		Dark Gray (5Y, 4/1) CLAY, little Silt, trace very fine Reddish Brown Sand, cohesive, medium, moist. no odor.
81			0.0	8		Reddish Brown (5YR, 4/4) SILT, little interbedded very fine Sand, loose, moist. no odor.
82			0.0	9		Reddish Brown (5YR, 4/4) SILT, little interbedded very fine Sand, loose, moist. no odor.
83			0.0	10		Reddish Brown (5YR, 4/4) SILT, little interbedded very fine Sand, loose, moist. no odor.
84			0.0	19		Reddish Brown (5YR, 4/4) medium angular GRAVEL, trace Silt and Clay and coarse Sand, very dense, wet. no odor. (Glacial Till)
85			0.0	20		Reddish Brown (5YR, 4/4) medium angular GRAVEL, trace Silt and Clay and coarse Sand, very dense, wet. no odor. (Glacial Till)
			0.0	50/5		Reddish Brown (5YR, 4/4) medium angular GRAVEL, trace Silt and Clay and coarse Sand, very dense, wet. no odor. (Glacial Till)
			0.0	N/A		No Recovery
			0.0	20		Reddish Brown (5YR, 4/4) medium angular GRAVEL, trace Silt and Clay and coarse Sand, very dense, wet. no odor. (Glacial Till)
			0.0	24		Reddish Brown (5YR, 4/4) medium angular GRAVEL, trace Silt and Clay and coarse Sand, very dense, wet. no odor. (Glacial Till)
			0.0	80/5		Refusal at 85 ft. Well set at 83 ft due to fall-in.
			0.0	NULL		

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Client: PPG Industries**Site:** Site 137**Site Location:** Jersey City, NJ**Geologist:** P. Kelly, M. Merdinger**Drilling Company:** Eichelbergers**Driller** J. Malecki**Drilling Date:** 1/17/2007**Well Completion Date:** 2/21/2007**Elevation** 14.74**State Plane Coordinates** X: 682539.2 Y: 610974.4**Drilling Method:** HSA/Mud Rotary**ENSR** | **AECOM****137-MW4B**

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Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
0		2 in dia PVC Riser Bentonite-cement Grout 6 in Steel Casing	N/A			Asphalt
		137-4BA (0.6-1.0) Cr+6, TAL Metals				Coarse Gravel, Subsurface macadam, Asphalt subbase
-1			N/A			Dusky Red (2.5YR, 3/2) coarse SAND, some fine Gravel, some Silt, little fine gravel sized COPR 10%
		137-4BB (1.5-2.0) Cr+6, TAL Metals				Black (5Y, 2.5/1) coarse SAND and Yellow (5Y, 8/6) coarse sand to coarse gravel sized conglomerate Silt, hard.
-2						Cobbles
-3			N/A			Black (5Y, 2.5/1) SILT and ASH, some Yellow (5Y8/6) coarse sand to coarse gravel sized Coal, trace woody organics.
-4						Gray ASH and Fill Material, loose, moist. No odor.
-5		137-4BC (5.0-5.4) Cr+6, TAL Metals		6		
-6			N/A	5		
-7				5		
-8		137-4BD (7.8-8.3) Cr+6, TAL Metals		6		
				4		

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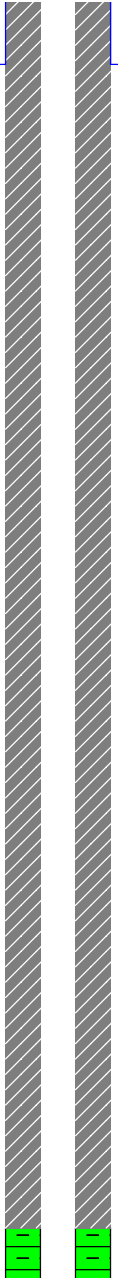


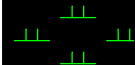
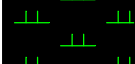
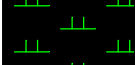
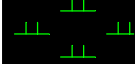

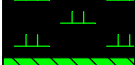
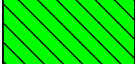








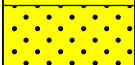

Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
9			N/A	6		
				7		
10				7		
				8		
11				6		
				5		
12		137-4BE (12.0-13.0) Cr+6, TAL Metals 137-4BED (12.0-13.0) Cr+6, TAL Metals		4		
				6		
13				4		
				4		
14			N/A	3		
				4		
15				6		
		137-4BF (15.5-16.1) Cr+6, TAL Metals		5		
16				4		
				4		
17				4		

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983

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Client: PPG Industries**Site:** Site 137**Site Location:** Jersey City, NJ**Geologist:** P. Kelly, M. Merdinger**Drilling Company:** Eichelbergers**Driller:** J. Malecki**Drilling Date:** 1/17/2007**Well Completion Date:** 2/21/2007**Elevation:** 14.74**State Plane Coordinates:** X: 682539.2 Y: 610974.4**Drilling Method:** HSA/Mud Rotary**ENSR** | **AECOM****137-MW4B**

Page: 3 of 4

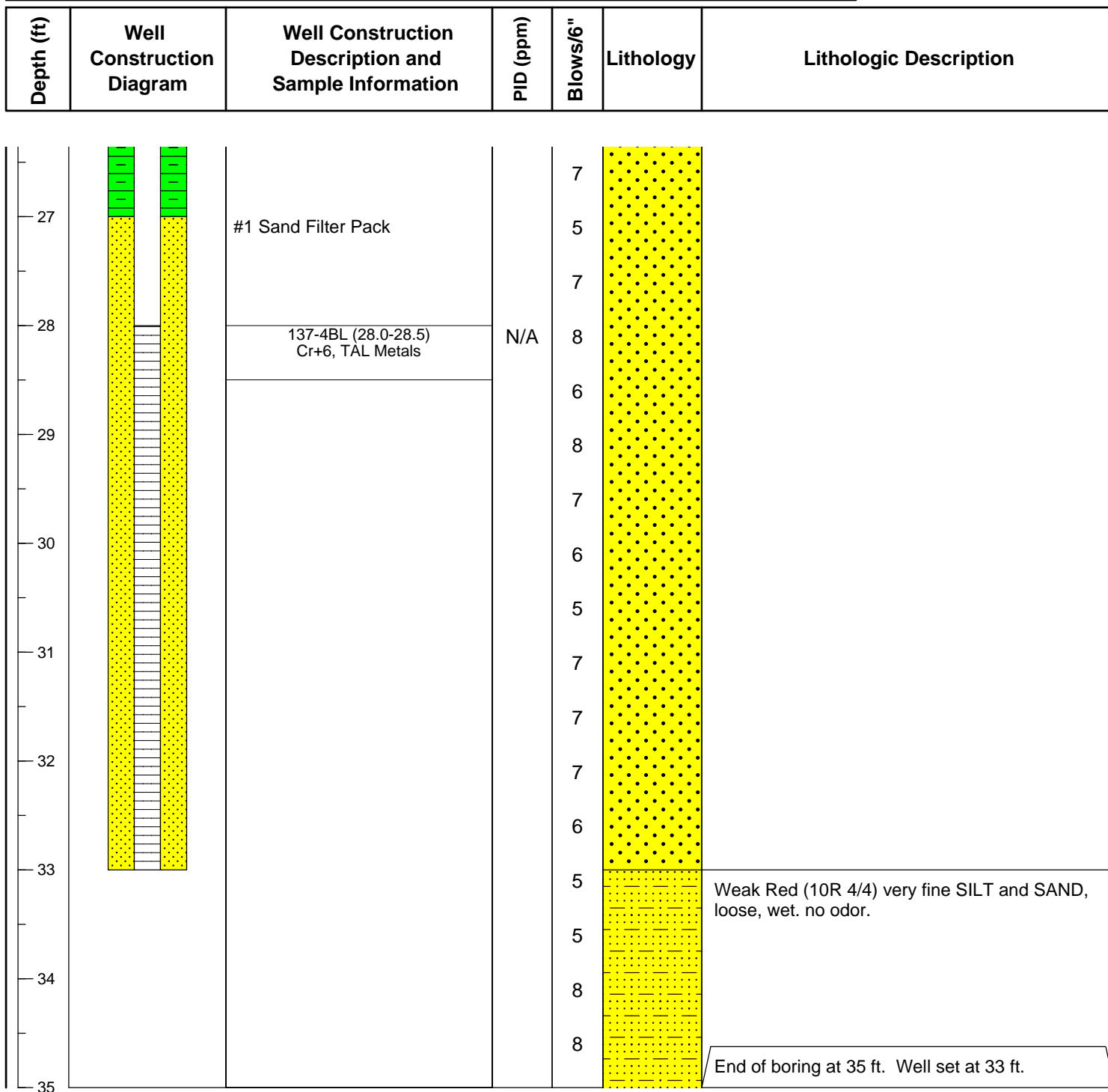
Depth (ft)	Well Construction Diagram	Well Construction Description and Sample Information	PID (ppm)	Blows/6"	Lithology	Lithologic Description
18		137-4BG (18.0-18.5) Cr+6, TAL Metals	N/A	4		Black PEAT, organics, cohesive, soft, moist. Sulfur odor.
				3		
				2		
				2		
19		137-4BH (19.0-20.0) MS/MSD, Cr+6, TAL Metals	N/A	2		Gray organic CLAY, little Peat, cohesive, soft, moist. Sulfur odor
				3		
				3		
				3		
21		137-4BI (21.0-22.0) MS/MSD, Cr+6, TAL Metals	N/A	2		Gray organic CLAY, little Peat, cohesive, soft, moist. Sulfur odor
				2		
22				3		
				3		
23		137-4BJ (23.0-24.0) Cr+6, TAL Metals 137-4BJD (23.0-24.0) Cr+6, TAL Metals	N/A	2		Gray Silty fine to medium SAND, loose, wet. Slight sulfur odor.
				2		
24				3		
				5		
25		137-4BK (24.5-25.0) Cr+6, TAL Metals	N/A	6		Gray Silty fine to medium SAND, loose, wet. no odor.
				7		
				5		
26		#00 Sand Seal				

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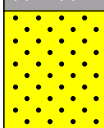

Client: PPG Industries**Site:** Site 137**Site Location:** Jersey City, NJ**Geologist:** P. Kelly, M. Merdinger**Drilling Company:** Eichelbergers**Driller** J. Malecki**Drilling Date:** 1/17/2007**Well Completion Date:** 2/21/2007**Elevation** 14.74**State Plane Coordinates** X: 682539.2 Y: 610974.4**Drilling Method:** HSA/Mud Rotary**ENSR** | **AECOM****137-MW4B**

Page: 4 of 4

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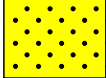
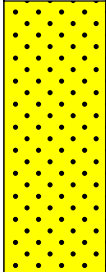

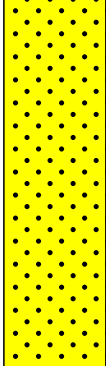
		Client: PPG Industries		BORING ID: 143-B1	
		Site: Site 143			
Start Date: 1/10/2007		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X-610657.4 Y-683192.0		Depth of Boring: 20.00	
End Date: 1/10/2007		Elevation: 13.99		Geologist: P. Kelly	
		Drill Subcontractor: Terra Probe Incorporated		Driller:	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		FILL: Black (7.5YR 2.5/1) coarse SAND, some fine Gravel, little woody organics, trace fine gravel sized COPR (5%), no odor	0.3 ppm	143-B1A (0.1-1.0)	Cr+6, TAL Metals
		FILL: Red Brown (2.5YR 4/3) fine SAND, some Clay and Silt, little fine to coarse Gravel, no odor		143-B1B (1.0-1.5)	Cr+6, TAL Metals
2		NR: No Sample		0.0 ppm	
		FILL: Red Brown (2.5YR 4/3) fine SAND, some Clay and Silt, little fine to coarse Gravel, no odor			
4		FILL: Dark Brown (7.5YR 3/1) coarse SAND, come Clay, brick fragments, fine Gravel, no odor	143-B1C (5.0-5.5)		Cr+6, TAL Metals
6		NR: No Recovery			
8		FILL: Dark Brown (7.5YR 3/1) coarse SAND, come Clay, brick fragments, fine Gravel, no odor	0.0 ppm	143-B1D (8.6-9.1)	Cr+6, TAL Metals
		FILL: Black (10YE 2/1) fine SAND, some fine Gravel, no odor		143-B1E(9.1-10.6) 143-B1ED(9.1-10.6)	Cr+6, TAL Metals Cr+6, TAL Metals
10		SAND: Dark Gray (10YR 3/1) fine SAND, some Silt and Clay, no odor			

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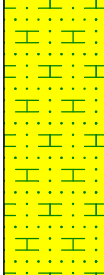
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		Site: Site 143			
Start Date: 1/10/2007		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-610657.4 Y-683192.0		Depth of Boring: 20.00	
End Date: 1/10/2007		Elevation: 13.99		Geologist: P. Kelly	
		Drill Subcontractor: Terra Probe Incorporated		Driller:	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

12			2.0 ppm		
		NR: No Recovery			
14		SAND: Dark Gray (10YR 3/1) fine SAND, some Silt and Clay, no odor	2.0 ppm		
		GRAVEL: White/Pink Feldspar, medium Gravel, no odor			
16		SAND: Orange Brown (10YR 4/4) fine SAND, some Clay and Silt, little coarse Gravel, dense, no odor	0.0 ppm		
		NR: No Recovery			
18		SAND: Red (10YR 3/4) coarse SAND, some fine to coarse Gravel, little Clay, no odor	0.0 ppm		
		NR: No Recovery			
20		NR: No Recovery			
		NULL: End of Boring			

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		Client: PPG Industries		BORING ID: 143-B2		
		Site: Site 143				
Start Date: 1/10/2007		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-610636.0 Y-683137.2		Depth of Boring: 20.00		
End Date: 1/10/2007		Elevation: 14.02		Geologist: P. Kelly		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: ASPHALT		143-B2A (0.2-0.7)	Cr+6, TAL Metals
		FILL: Dark Reddish Brown (5YR 3/2) SILT, some COPR (40%), little medium to coarse Sand, trace medium angular Gravel, fill material (coal, glass, brick), loose, dry. No odor.			
2		FILL: COBBLES and rail road timber.			
4		FILL: Dark Yellowish Brown (10YR 4/4) clayey SILT, little fine to coarse Sand, trace semi-round fine Gravel and COPR (1%), loose, wet. No odor.	0.0 ppm	143-B2B (3.8-4.3)	Cr+6, TAL Metals
6		FILL: Black (5Y 2.5/1) coarse SAND, some Silt and Clay, little fine Gravel, medium density, wet. No odor.	0.0 ppm	143-B2E (5.0-5.5)	MS/MSD, Cr+6, TAL Metals
8		NR: No Recovery	0.0 ppm		
10		SILT AND CLAY: Brown (7.5YR 3/1) SILT and CLAY, some fine Sand, little Black fine Sand nodes throughout, trace fine Gravel, wet.	0.0 ppm	143-B2F (8.1-8.6)	Cr+6, TAL Metals

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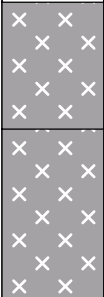
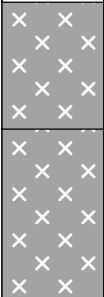
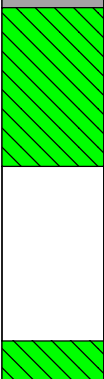
		Client: PPG Industries		BORING ID: 143-B2	
		Site: Site 143			
Start Date: 1/10/2007		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-610636.0 Y-683137.2		Depth of Boring: 20.00	
End Date: 1/10/2007		Elevation: 14.02		Geologist: P. Kelly	
		Drill Subcontractor: Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

12		NR: No Recovery	0.0 ppm	143-B2G (12.0-12.6)	Cr+6, TAL Metals
		SILT: Gray Brown (2.5YR3/2) SILT, some Clay mottled with olive (5YR 4/4), moist.			
14			0.0 ppm		
			0.0 ppm		
16		SILT AND CLAY: Olive (5Y 4/2) mottled with Bluish Gray (5B 4/0) and little Yellowish Brown CLAY and SILT, trace Red (10R 3/4) fine Gravel, wet.	0.0 ppm		
		NR: No Recovery			
18		SILT AND CLAY: Olive (5Y 4/2) mottled with Bluish Gray (5B 4/0) and little Yellowish Brown CLAY and SILT, trace Red (10R 3/4) fine Gravel, wet.	0.0 ppm		
		SAND: Red (10YR 3/4) Coarse SAND, some fine to coarse Gravel, little Clay, wet.			
20		NR: No Recovery	0.0 ppm		
		NULL: End of Boring at 20 ft.			

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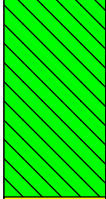
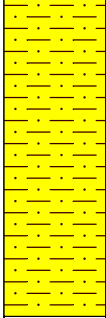


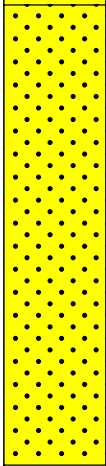

		Client: PPG Industries		BORING ID: 143-B3		
		Site: Site 143				
Start Date: 1/9/2007		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610716.0 Y-683076.5		Depth of Boring: 24.00		
End Date: 1/11/2007		Elevation: 14.12		Geologist: P. Kelly		
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Health Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

10		FILL: Dark Gray (5YR 4/1) coarse SAND, some fine and medium gravel, little brick and glass fragment, no odor	0.0 ppm	143-B3F (9.3-10.1)	Cr+6, TAL Metals
12		NR: No Recovery	0.0 ppm		
14		FILL: Dark Gray (5YR 4/1) coarse SAND, some fine and medium gravel, little brick and glass fragment, no odor	0.0 ppm	143-B3G (12.8-13.4)	Cr+6, TAL Metals
16		CLAY: Dark Brown (2.5YR 2.5/2) CLAY/Organics (sulfur, meadow mat odor)	0.0 ppm	143-B3H (13.9-14.5)	Cr+6, TAL Metals
16		NR: No Recovery	0.0 ppm		
		CLAY: Dark Brown (2.5YR 2.5/2) CLAY/Organics			

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		Client: PPG Industries		BORING ID: 143-B3		
		Site: Site 143				
Start Date: 1/9/2007		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-610716.0 Y-683076.5		Depth of Boring: 24.00		
End Date: 1/11/2007		Elevation: 14.12		Geologist: P. Kelly		
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

18		(sulfur, meadow mat odor)	4.0 ppm	143-B3I (17.0-17.5)	Cr+6, TAL Metals
		SILT: Dary Gray (5 gley/NY) SILT, some Clay, little fine Sand, medium stiff, roots, no odor		143-B3J(18.2-18.8) 143-B3JD(18.2-18.8)	Cr+6, TAL Metals Cr+6, TAL Metals
		NR: No Recovery			
20		SILT: Dary Gray (5 gley/NY) SILT, some Clay, little fine Sand, medium stiff, roots, no odor	0.0 ppm		
		SAND: Reddish Brown (2.5YR 4/6) coarse SAND, some fine to coarse Gravel, no odor			
22			0.0 ppm		
		NR: No Recovery			
24		NULL: End of Boring			

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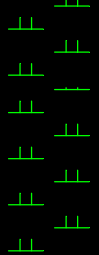

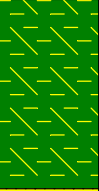
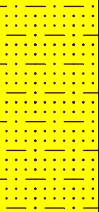
		Client: PPG Industries		BORING ID: 143-B4		
		Site: Site 143				
Start Date: 2/9/2007		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-610753.6 Y-683158.1		Depth of Boring: 28.00		
End Date: 2/9/2007		Elevation: 14.16		Geologist: M. Merdinger		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Brian		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

0		FILL: CONCRETE, no staining, dry.	0.0 ppm		
		FILL: Very Dark Brown (7.5YR 2.5/2) SILT, little fine Sand, Fill material (class, brick, wood), 50% COPR, loose, dry. No odor.	0.1 ppm	143-B4A (0.5-1.0)	Cr+6, TAL Metals
2		FILL: Red Brown to Black SILT, trace fine rounded Gravel, Fill material (coal, brick), loose, moist. No odor.	0.1 ppm	143-B4B (1.5-2.0)	Cr+6, TAL Metals
			0.1 ppm		
4		NR: No Sample	0.1 ppm		
		FILL: Dark Brown (7.5YR 3/2) SILT and coarse GRAVEL, little Clay, some goldenrod - green staining, moist.	0.3 ppm	143-B4C (4.6-5.1)	Cr+6, TAL Metals
6		FILL: Dark Brown (7.5YR 3/2) and partially stained Black SILT and coarse GRAVEL, little Clay, some goldenrod - green staining, loose, wet. Fill material (wood).			
		NR: No Recovery			
8		FILL: Very Dark Gray (10YR 3/1) fine to medium sandy SILT, little fine semi-angular Gravel, loose, wet. No odor.	0.0 ppm	143-B4D (8.0-8.5)	Cr+6, TAL Metals
		NR: No Recovery			

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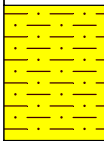
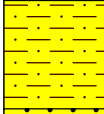
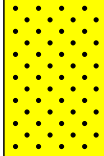
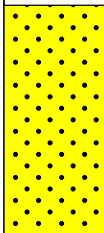
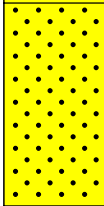
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		Site: Site 143				
Start Date: 2/9/2007		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610753.6 Y-683158.1		Depth of Boring: 28.00		
End Date: 2/9/2007		Elevation: 14.16		Geologist: M. Merdinger		
		Drill Subcontractor: Terra Probe Incorporated		Driller: Brian		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

10					
12		FILL: Very Dark Brown (10YR 2/2) coarse SAND and medium semi-angular GRAVEL, some Silt, loose, wet. No odor.	0.5 ppm	143-B4E (12.0-12.5)	Cr+6, TAL Metals
			0.5 ppm		
14		PEAT: Very Dark Grayish Brown (10YR 3/2) organic CLAY, trace organics, medium stiff, moist. Sulfur odor.	3.1 ppm	143-B4F (13.6-14.1)	Cr+6, TAL Metals
		PEAT: PEAT , organics, medium stiff, moist. Sulfur odor,			
16		NR: No Recovery	0.0 ppm	143-B4G (16.0-16.5)	Cr+6, TAL Metals
		SILTY CLAY: Dark Grayish Brown (2.5Y 4/2) and Olive Brown (2.5Y 4/3) silty CLAY, trace fine Sand, medium stiff, moist. No odor.			
18		SAND AND SILT: Grayish Brown (2.5Y 4.5/2) SILT and interbedded very fine SAND, moist. No odor.			

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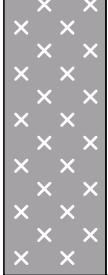
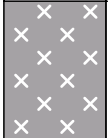

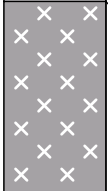

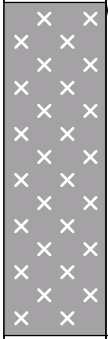
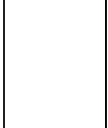

		Client: PPG Industries	BORING ID: 143-B4		
		Site: Site 143			
Start Date: 2/9/2007	Project: Site Investigation		Page: 3 of 3		
	Coordinates: X-610753.6 Y-683158.1		Depth of Boring: 28.00		
End Date: 2/9/2007	Elevation: 14.16		Geologist: M. Merdinger		
	Drill Subcontractor: Terra Probe Incorporated		Driller: Brian		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

20		NR: No Recovery	0.0 ppm	143-B4H (20.0-20.5)	MS/MSD, Cr+6, TAL Metals
		SILT: Grayish Brown (10YR 5/2) and Yellowish Brown (10YR 5/6) mottled SILT, trace fine to medium Gravel, dense, moist. No odor.			
22		SILT: Brown (7.5YR 5/4) SILT, trace fine to medium Gravel and medium Sand, medium dense, moist. No odor.	0.0 ppm		
		SAND: Strong Brown (7.5YR 5/6) and Brown (7.5YR 4/4) medium to coarse SAND, some Silt, trace fine Gravel, wet, loose. No odor.	0.0 ppm		
24		NR: No Recovery	N/A	143-B4I (24.0-24.5)	Cr+6, TAL Metals
		SAND: Reddish Brown (5YR 4/4) medium to coarse SAND and fine to coarse Gravel, trace Silt, loose, wet. No odor.			
26		SAND: Red (2.5YR 4/6) very fine SAND, trace Silt, loose, wet. No odor.			
		NR: No Recovery			
28		NULL: End of Boring at 28 ft.			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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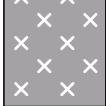
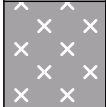
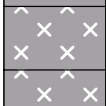

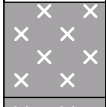
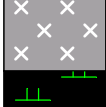
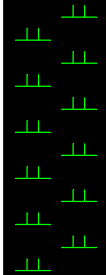
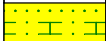
		Client: PPG Industries		BORING ID: 143-B5		
		Site: Site 143				
Start Date: 1/9/2007		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-610774.0 Y-683208.0		Depth of Boring: 24.00		
End Date: 1/11/2007		Elevation: 14.23		Geologist: P. Kelly		
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: Asphalt	0.0 ppm		
		FILL: Black (5YR 2.5/1) fine SAND, some fine Gravel and Silt, little brick fragments and coarse Gravel, no odor		143-B5A (1.0-1.5)	Cr+6, TAL Metals
2		FILL: Dark Brown (7.5YR 2.5/1) coarse SAND, some fine Gravel, and little fine gravel sized COPR (10%), trace brick fragments, no odor	0.0 ppm	143-B5B (2.0-2.5)	Cr+6, TAL Metals
		FILL: White (7.5YR 8/1) SILT/CLAY, some black staining, no odor	0.0 ppm	143-B5C (2.9-3.4)	Cr+6, TAL Metals
4		FILL: Brown (7.5YR 4/3) CLAY, some silt, little fine to coarse Gravel and medium gravel sized Slag, black (10YR 2/1), no odor	0.0 ppm	143-B5D (3.5-4.1)	Cr+6, TAL Metals
		FILL: Cobbles	0.1 ppm		
		NR: No Sample			
6		FILL: Red-Brown (2.5YR 3/4) SILT/CLAY, some fine gravel, trace glass pieces, no odor		143-B5E (6.5-7.0)	Cr+6, TAL Metals
		NR: No Recovery			
8					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

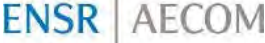
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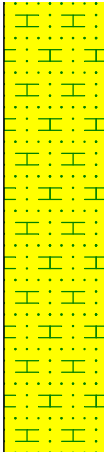
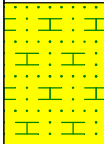
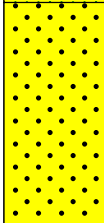
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		Site: Site 143				
Start Date: 1/9/2007		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610774.0 Y-683208.0		Depth of Boring: 24.00		
End Date: 1/11/2007		Elevation: 14.23		Geologist: P. Kelly		
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

10		FILL: Red-Brown (2.5YR 3/4) SILT/CLAY, some fine gravel, trace glass pieces, no odor	0.7 ppm		
		FILL: Dark Brown (7.5YR 2.5/2) SILT, some fine Gravel, little woody organics, no odor		143-B5F (8.8-9.5)	Cr+6, TAL Metals
		FILL: White (5Y 8/1) SILT/CLAY, very soft, some Brown (5YR 2.5/1) Silt and fine Sand, no odor		143-B5G (9.5-9.9)	Cr+6, TAL Metals
		FILL: Red-Black (2.5YR 2.5/1) coarse SAND, some Silt, little fine Gravel, trace glass fragments, no odor		143-B5H(9.9-10.6) 143-B5HD(9.9-10.6)	Cr+6, TAL Metals Cr+6, TAL Metals
		NR: No Recovery			
12			0.7 ppm		
		FILL: Red-Black (2.5YR 2.5/1) coarse SAND, some Silt, little fine Gravel, trace glass fragments, no odor			
		FILL: Dark Gray (N31 gley) SILT/Ash, some fine Gravel little debris, no odor		143-B5I (12.6-13.1)	Cr+6, TAL Metals
14		PEAT: Meadow Mat, dark Brown (2.5YR 2.5/2) CLAY, with Organics, no odor	0.6 ppm	143-B5J (13.1-13.9)	Cr+6, TAL Metals
			0.4 ppm		
		NR: No Recovery			
16		SILT AND CLAY: Green Gray (5BG 5/1) with little Dark			

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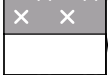
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		Site: Site 143			
Start Date: 1/9/2007	Project: Site Investigation		Page: 3 of 3		
	Coordinates: X-610774.0 Y-683208.0		Depth of Boring: 24.00		
End Date: 1/11/2007	Elevation: 14.23		Geologist: P. Kelly		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

18		Rd (5YR 4/6) CLAY/SILT, little fine Sand, trace Dark Red (2.5YR 3/6) medium Gravel from 18.1' to 19.1', no odor	0.4 ppm	143-B5K (17.1-17.9)	Cr+6, TAL Metals
		NR: No Recovery	0.0 ppm		
		SILT AND CLAY: Green Gray (5BG 5/1) with little Dark Rd (5YR 4/6) CLAY/SILT, little fine Sand, trace Dark Red (2.5YR 3/6) medium Gravel, no odor			
22		SAND: Reddish Brown (2.5YR 4/6) coarse SAND, some fine to coarse Gravel, no odor	0.4 ppm		
		NR: No Recovery			
24	NULL: End of Boring				

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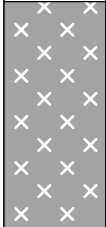
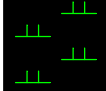
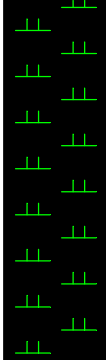


		Client: PPG Industries		BORING ID: 143-B6	
		Site: Site 143			
Start Date: 1/9/2007		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-610799.8 Y-683134.3		Depth of Boring: 28.00	
End Date: 1/12/2007		Elevation: 13.83		Geologist: P. Kelly	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

0		ASPHALT: Asphalt	0.0 ppm	143-B6A (0.2-0.8)	Cr+6, TAL Metals
		FILL: Black (10YR 2.5/1) coarse SAND, some fine Gravel, no odor			
2		FILL: Dark Red Brown (5YR 3/2) coarse SAND, some fine Gravel and Clay, trace COPR 5%, no odor	0.0 ppm	143-B6B (1.3-1.7)	Cr+6, TAL Metals
		FILL: Concrete			
		FILL: Wood			
4		FILL: Black (5YR 2.5/1) fine GRAVEL, some coarse Sand, little coarse Gravel and Clay, trace woody organics, no odor	0.0 ppm	143-B6C (2.9-3.4)	Cr+6, TAL Metals
		FILL: Dark Brown (7.5YR 3/2) CLAY with Silt, some fine Gravel, trace green/gray (5Y 5/1) Clay, no odor		143-B6D (4.4-4.9)	Cr+6, TAL Metals
6		FILL: Cobbles	0.1 ppm		
		FILL: Brown (10YR 4/3), SILT with little fine Sand, trace fine Gravel, some dark Brown (2.5YR 3/1) nodes, no odor		143-B6E (5.5-6.0)	Cr+6, TAL Metals
		FILL: Brown (10YR 4/3) and Gray (10YR 7/1) mottled Clay, little Silt, fine Gravel, trace Red (10R 3/4) Organics, and medium Gravel at 7.2 to 7.4 feet, no odor		143-B6F (6.5-6.9)	Cr+6, TAL Metals
8			0.0 ppm	143-B6G(7.4-7.7)	Cr+6, TAL Metals
		FILL: Dark Reddish Brown (5YR 3/2) silty CLAY, some woody Organics, no odor			
		NR: No Recovery			
		FILL: Gray (gley N5) coarse SAND, ash, some fine to medium gravel, shells, little woody organics, loose, no odor		143-B6H(8.5-9.1) 143-B6HD(8.5-9.1)	Cr+6, TAL Metals Cr+6, TAL Metals
			0.0 ppm		

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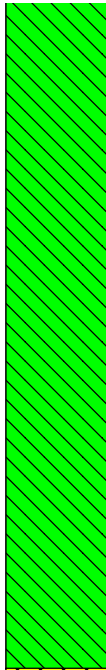
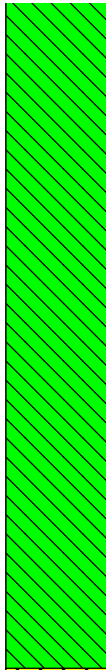
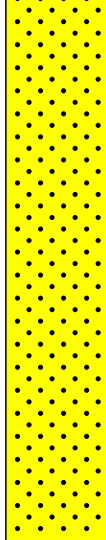
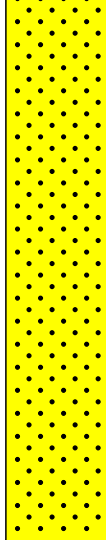
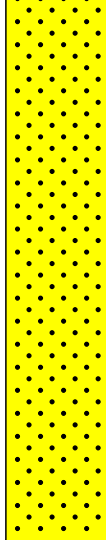
		Client: PPG Industries		BORING ID: 143-B6		
		Site: Site 143				
Start Date: 1/9/2007		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610799.8 Y-683134.3		Depth of Boring: 28.00		
End Date: 1/12/2007		Elevation: 13.83		Geologist: P. Kelly		
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

10			0.0 ppm		
		NR: No Recovery			
12		FILL: Gray (gley N5) coarse SAND, ash, some fine to medium gravel, shells, little woody organics, loose, no odor			
14		PEAT: Meadow Mat, Brown (5YR 3/3) CLAY Organics, sulfur odor		143-B6I (13.7-14.4)	Cr+6, TAL Metals
		NR: No Recovery			
16		PEAT: Meadow Mat, Brown (5YR 3/3) CLAY Organics, sulfur odor	10.1 ppm		
			16.9 ppm		
18			14.3 ppm	143-B6J (17.5-18.0)	Cr+6, TAL Metals
		CLAY: Gray (gley N/6) CLAY, some silt, little fine		143-B6K (18.7-19.3)	Cr+6, TAL Metals

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		Client: PPG Industries		BORING ID: 143-B6		
		Site: Site 143				
Start Date: 1/9/2007		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-610799.8 Y-683134.3		Depth of Boring: 28.00		
End Date: 1/12/2007		Elevation: 13.83		Geologist: P. Kelly		
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

20		gravel, trace roots, no odor			
22					
24		SAND: Red (2.5YR 4/8) medium SAND, little fine to coarse Gravel, no odor	0.0 ppm		
26			0.0 ppm		
28			0.0 ppm		
NULL: End of Boring					

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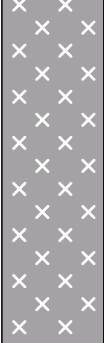


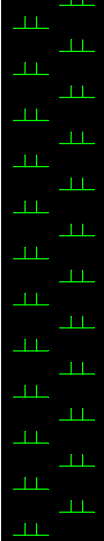
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		Site: Site 143				
Start Date: 1/9/2007		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-610791.8 Y-683056.5		Depth of Boring: 24.00		
End Date: 1/11/2007		Elevation: 14.07		Geologist: P. Kelly		
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

0		FILL: Coarse Gravel	0.0 ppm	143-B7A(0.4-0.8) 143-B7AD(0.4-0.8)	Cr+6, TAL Metals Cr+6, TAL Metals
		FILL: Black (2.5YR 2.5/1) fine SAND, some fine to coarse Gravel, loose, no odor			
2		FILL: Cobbles			
		FILL: Black (2.5YR 2.5/1) fine SAND, little fine gravel sized COPR (10%), no odor	0.0 ppm	143-B7B (1.8-2.4)	Cr+6, TAL Metals
			0.0 ppm	143-B7C (2.2-3.5)	Cr+6, TAL Metals
4		FILL: Green-gray (2.5Y 3/1) coarse SAND, some fine Gravel and COPR (20%), little coarse Gravel, no odor	0.7 ppm		
		FILL: Coarse cobbles			
		NR: No Recovery			
6		FILL: Black (10YR 2/1) fine SAND, some Silt, little coarse Gravel, no odor	0.2 ppm		
				143-B7E (5.9-6.6)	Cr+6, TAL Metals
		FILL: Reddish Brown (5YR 3/3) SILT/CLAY, some fine Gravel, no odor			
8			0.0 ppm	143-B7F (6.9-7.4)	Cr+6, TAL Metals
		NR: No Recovery			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

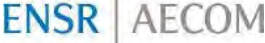
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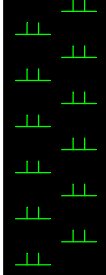
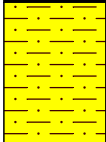
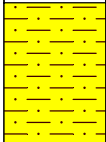
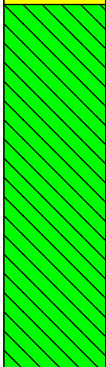
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		Site: Site 143				
Start Date: 1/9/2007		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610791.8 Y-683056.5		Depth of Boring: 24.00		
End Date: 1/11/2007		Elevation: 14.07		Geologist: P. Kelly		
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

10		FILL: Dark Gray (N3/gley) coarse SAND, some fine to coarse Gravel, loose, no odor	6.0 ppm	143-B7G (8.5-10.3)	Cr+6, TAL Metals
			0.0 ppm		
12		NR: No Recovery	0.0 ppm		
14		FILL: Dark Gray (N3/gley) coarse SAND, some fine to coarse Gravel, loose, no odor	0.0 ppm	143-B7H (13.1-13.7)	Cr+6, TAL Metals
			0.0 ppm		
16		PEAT: Meadow Mat, dark Brown (2.5YR 2.5/2) CLAY/Organics, strong odor	0.0 ppm		
			0.0 ppm		

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		Client: PPG Industries	BORING ID: 143-B7		
		Site: Site 143			
Start Date: 1/9/2007	Project: Site Investigation		Page: 3 of 3		
	Coordinates: X-610791.8 Y-683056.5		Depth of Boring: 24.00		
End Date: 1/11/2007	Elevation: 14.07		Geologist: P. Kelly		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

18			5.1 ppm		
		SILT: Dark Gray (gley N4) SILT, some Clay, little fine Sand, medium stiff, no odor	34.0 ppm	143-B7I (18.0-18.9)	Cr+6, TAL Metals
20		NR: No Recovery	2.8 ppm		
		SILT: Dark Gray (gley N4) SILT, some Clay, little fine Sand, medium stiff, no odor			
		CLAY: Dark Bluish Gray (5B 4/1) CLAY, some Silt, trace roots, no odor	0.6 ppm		
22					
24		NR: No Recovery	0.6 ppm		
NULL: End of Boring					

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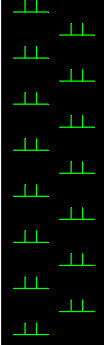

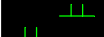
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		Site: Site 143				
Start Date: 1/9/2007		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-610833.6 Y-683112.2		Depth of Boring: 24.00		
End Date: 1/12/2007		Elevation: 13.63		Geologist: P. Kelly		
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

0		FILL: Dark Brown with Red (10YR 3/2) fine SAND, some fine gravel and brick fragments, little coarse gravel, no odor	0.0 ppm	143-B8A (0.4-0.8)	Cr+6, TAL Metals
2		FILL: Medium Cobbles	0.0 ppm	143-B8B (2.3-2.7)	Cr+6, TAL Metals
		FILL: Black (5YR 2.5/1) fine SAND, some fine Gravel, little coarse Gravel, brick fragments, and woody organics, no odor			
4		NR: No Sample	0.1 ppm	143-B8E (5.7-6.4)	Cr+6, TAL Metals
		FILL: Dark grayish Brown (2.5YR 3/2) fine SAND, some silt, little fine Gravel, trace coarse Gravel, no odor			
6		FILL: Black (10YR 2/1) fine SAND, some fine Gravel, trace coarse Gravel and fine gravel sized COPR (5%), loose, petroleum odor	0.7 ppm	143-B8F (6.7-7.4)	Cr+6, TAL Metals
		NR: No Recovery			
8					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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		Client: PPG Industries		BORING ID: 143-B8		
		Site: Site 143				
Start Date: 1/9/2007		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610833.6 Y-683112.2		Depth of Boring: 24.00		
End Date: 1/12/2007		Elevation: 13.63		Geologist: P. Kelly		
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller		
Depth (ft)	Lithology	Description		PID (ppm)	Sample ID	Sample Parameters

10		FILL: Gray (gley N5) coarse SAND, ash, some fine to medium gravel and shell fragments, little woody organics, loose, no odor	2.0 ppm	143-B8G (8.6-9.3)	Cr+6, TAL Metals
			1.1 ppm		
12		NR: No Recovery	1.1 ppm		
14		FILL: Gray (gley N5) coarse SAND, ash, some fine to medium gravel and shell fragments, little woody organics, loose, no odor			
			0.0 ppm	143-B8H (13.2-13.7)	Cr+6, TAL Metals
16		PEAT: Meadow Mat, Brown (5YR 3/3) CLAY Organics, no odor	4.0 ppm		
16		NR: No Recovery			
		PEAT: Meadow Mat, Brown (5YR 3/3) CLAY Organics,		143-B8I	Cr+6, TAL Metals

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		Client: PPG Industries		BORING ID: 143-B8	
		Site: Site 143			
Start Date: 1/9/2007		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-610833.6 Y-683112.2		Depth of Boring: 24.00	
End Date: 1/12/2007		Elevation: 13.63		Geologist: P. Kelly	
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Heath Kneller	
Depth (ft)	Lithology	Description	PID (ppm)	Sample ID	Sample Parameters

18
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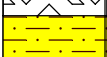
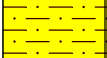
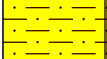
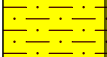








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6AA

No Boring Log Available

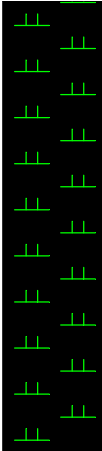

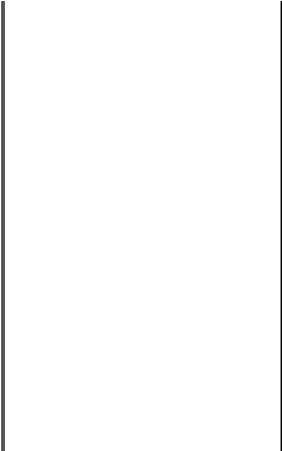
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		Site: PPG - Jersey City, NJ			
Start Date: 8/21/2003		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X-610781.18 Y-683269.09		Depth of Boring: 16.00	
End Date: 8/21/2003		Elevation: 14.27		Geologist:	
		Drill Subcontractor: S&S		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		ASPHALT			
		FILL: Trap rock, sand, gravel, trace silt			
		FILL: Brick, small gravel, silt	0.0 ppm	A4 (0.8-1.4)	TAL Metals, Cr+6
		FILL: Black SAND, SILT and COBBLE		A4 (1.4-1.7)	All parameters
2		FILL: Black COKE/SLAG	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
4		SILT: Brown to red brown, fine	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
6			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
8			0.0 ppm		
		NR: No Recovery	0.0 ppm		
			0.0 ppm		
10		SILT: Black/dark grey, fine, organic matter	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
12			0.0 ppm		

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: A4		
		Site: PPG - Jersey City, NJ				
Start Date: 8/21/2003		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-610781.18 Y-683269.09		Depth of Boring: 16.00		
End Date: 8/21/2003		Elevation: 14.27		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		PEAT: Brown, organic material (meadow mat)	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
14					
16					
NULL: End of Boring at 16 ft.					

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A4FW4V

No Boring Log Available

<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>A5</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 8/20/2003		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-610779.31 Y-683360.74		Depth of Boring: 18.00		
End Date: 8/20/2003		Elevation: 14.51		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

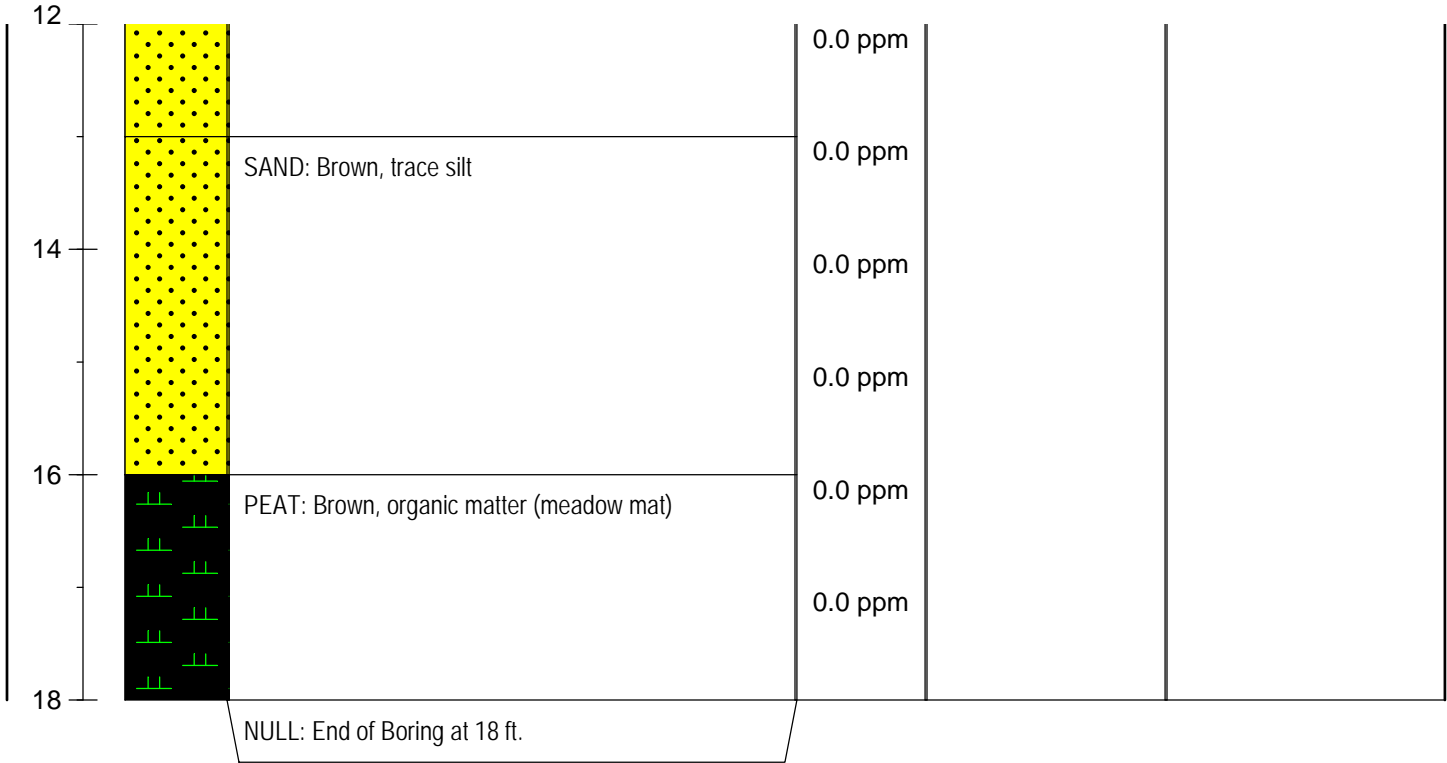
0		CONCRETE: Concrete Core: 40% gravel, no rebar, no evidence of chrome or chrome staining			
		NR: No Recovery	0.0 ppm		
2		CONCRETE			
		FILL: Fine sand, orange, small angular cobble (evidence of staining on cobble), coke, slag	0.0 ppm	A5 (2.0-2.5)	TAL Metals, Cr+6
			0.0 ppm		
4		FILL: Sand and silt, orange, trace COPR			
		FILL: COPR	0.0 ppm	A5 (4.0-4.5)	TAL Metals, Cr+6
		SAND: Black, coarse, small gravel, trace silt	0.0 ppm		
		SILT: Gray/orange (mottling), fine, trace sand		A5 (5.5-6.0)	VOCs
6		SAND: Yellow, well rounded cobble	0.0 ppm		
		SAND: Red brown, some weathered rock fragment (sandstone)	0.0 ppm		
8		SAND: Dark brown, some silt	0.0 ppm	A5 (8.0-8.5)	All parameters
			0.0 ppm		
10			0.0 ppm		
			0.0 ppm		
12		SAND: Dark brown, some silt	0.0 ppm		

NOTES:

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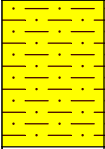
<div>ENSR AECOM</div>		Client: PPG		BORING ID: A5	
		Site: PPG - Jersey City, NJ			
Start Date: 8/20/2003		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-610779.31 Y-683360.74		Depth of Boring: 18.00	
End Date: 8/20/2003		Elevation: 14.51		Geologist:	
		Drill Subcontractor: S&S		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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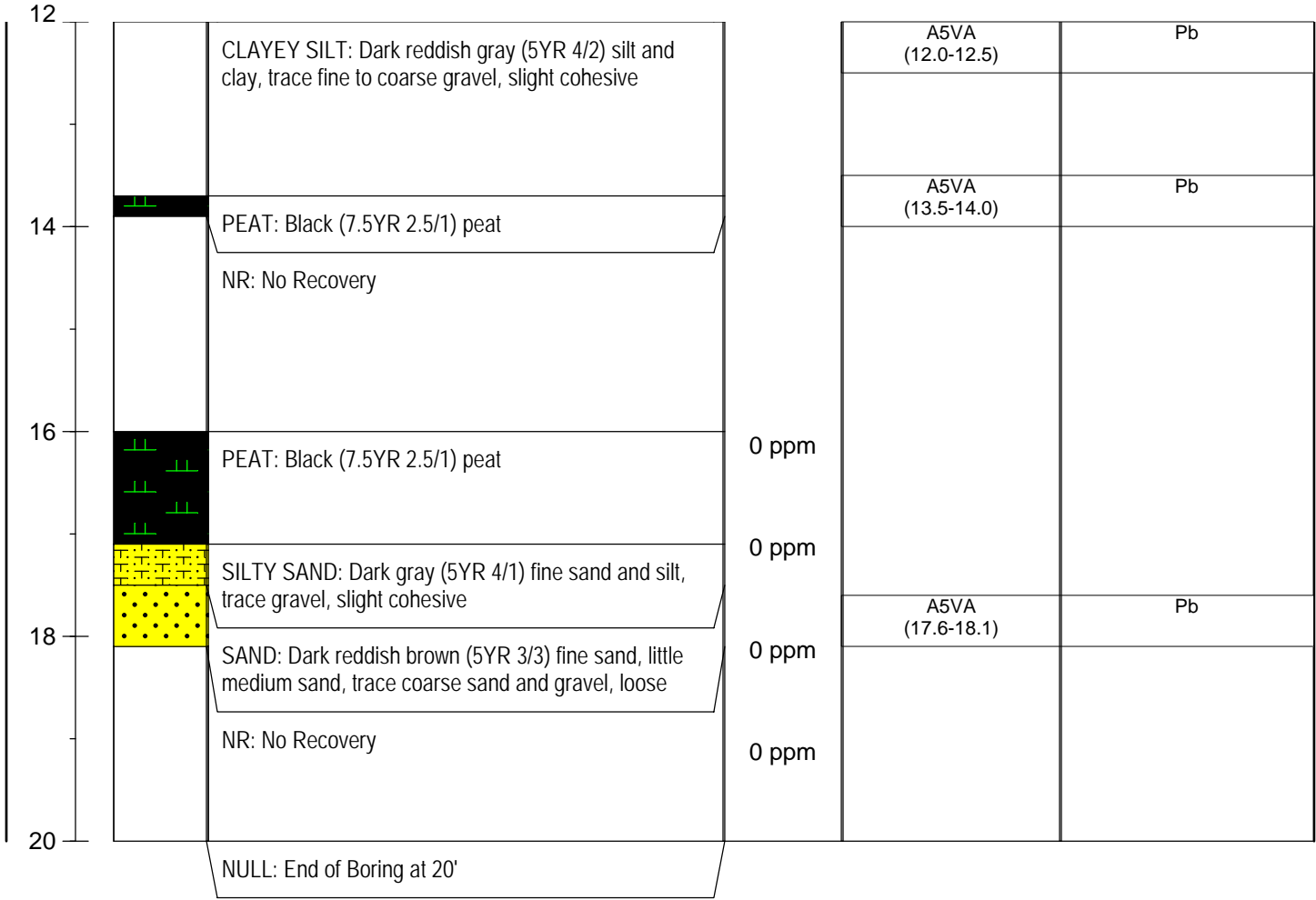
ENSR AECOM	Client: PPG		BORING ID: A5V		
	Site: PPG - Jersey City, NJ				
Start Date: 10/3/2005	Project: Site Investigation		Page: 1 of 2		
	Coordinates: X-610781 Y-683370		Depth of Boring: 20.00		
End Date: 10/3/2005	Elevation: 14.00		Geologist: Richard Firely		
	Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: No Sleeves Collected.			
2					
4					
6					
8		SILT: Black to dark reddish brown (5YR 2.5/1 to 5YR 3/3) silt, some fine sand, little fine to medium gravel, slight cohesive	0 ppm		
			0 ppm		
10		NR: No Recovery	0 ppm		
			0 ppm		
12					

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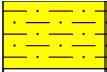

























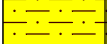

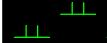
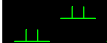
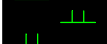

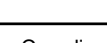
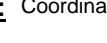


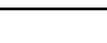


<div>ENSR AECOM</div>		Client: PPG		BORING ID: A5V	
		Site: PPG - Jersey City, NJ			
Start Date: 10/3/2005		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-610781 Y-683370		Depth of Boring: 20.00	
End Date: 10/3/2005		Elevation: 14.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>A6</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 9/2/2002		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X-610797.7 Y-683480.19		Depth of Boring: 16.00	
End Date: 9/2/2002		Elevation: 12.35		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

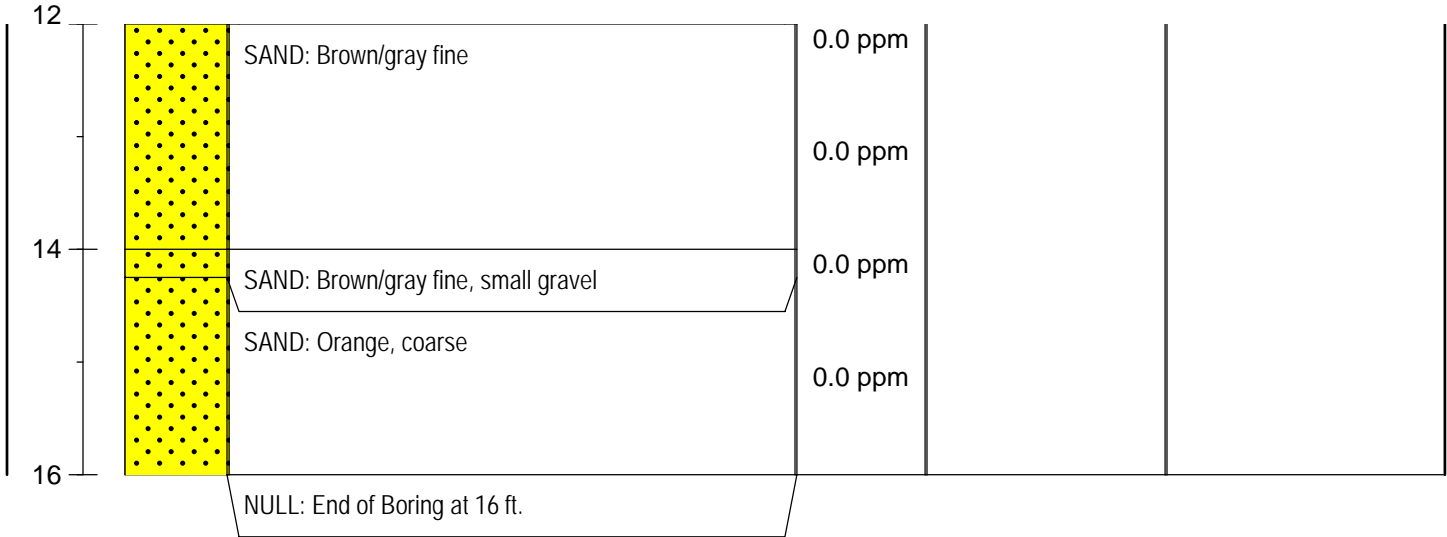
0		SILT: Organics, silt, wet			
		CONCRETE			
		FILL: Yellow/orange, trace silt, sand, damp	0.0 ppm		
		FILL: Brown, fine sand, wet	0.0 ppm		
2		FILL: Orange and brown clay, laminations	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
4		FILL: Orange and brown clay, laminations	0.0 ppm		
			0.0 ppm		
		FILL: Black, fine sand, some gravel, ash, coal, coke, slag	0.0 ppm		
6			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
8		FILL: COKE/SLAG	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
10		SILT: Brown, fine	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
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			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
12		PEAT: Brown, organic material (meadow mat)	0.0 ppm		

NOTES:

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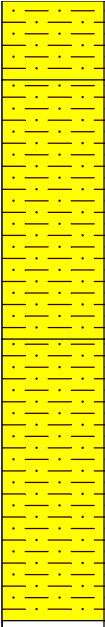
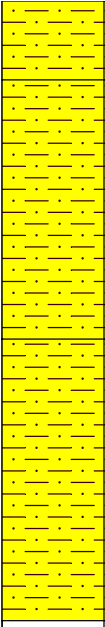
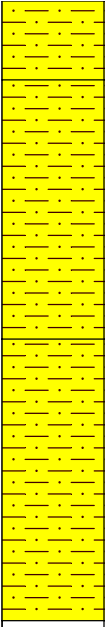
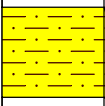


<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: A6		
		Site: PPG - Jersey City, NJ			
Start Date: 9/2/2002		Project: Site Investigation	Page: 2 of 2		
		Coordinates: X-610797.7 Y-683480.19	Depth of Boring: 16.00		
End Date: 9/2/2002		Elevation: 12.35	Geologist:		
		Drill Subcontractor: Terra Probe	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG		BORING ID: AA5		
		Site: PPG - Jersey City, NJ				
Start Date: 9/2/2003		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-610709.23 Y-683319.69		Depth of Boring: 20.00		
End Date: 9/2/2003		Elevation: 13.05		Geologist:		
		Drill Subcontractor: Terra Probe		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

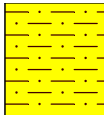
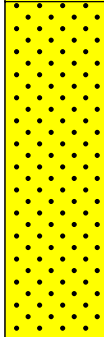
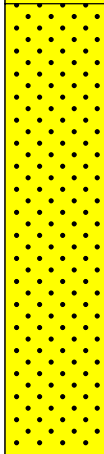
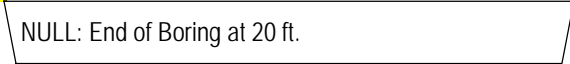
0		SILT: Brown, organics, damp	0.0 ppm	AA5 (0.0-0.5)	TAL Metals, Cr+6
		SILT: Red brown, trace gravel, damp		AA5 (0.5-1.0)	TAL Metals, Cr+6
2		SILT: Brown, fine, some sand	0.0 ppm	0.0 ppm	0.0 ppm
			0.0 ppm		
4		SILT: Brown, fine, some sand	0.0 ppm	AA5 (3.0-3.5)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
			0.0 ppm	0.0 ppm	0.0 ppm
6		COBBLE: Red brown	0.0 ppm	AA5 (4.5-5.0)	TAL Metals, Cr+6
		SILT: Brown, fine, some sand, wet		AA5 (6.0-6.5)	TAL Metals, Cr+6
8		NR: No Recovery	0.0 ppm	0.0 ppm	0.0 ppm
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
10		NR: No Recovery	0.0 ppm	0.0 ppm	0.0 ppm
12			0.0 ppm		

NOTES:

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: AA5	
		Site: PPG - Jersey City, NJ			
Start Date: 9/2/2003		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-610709.23 Y-683319.69		Depth of Boring: 20.00	
End Date: 9/2/2003		Elevation: 13.05		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		SILT: Brown, fine, some sand, gravel, wet	0.0 ppm		
			0.0 ppm		
14		SAND: Red brown, fine to medium, wet	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
16		SAND: Red brown, fine to medium, angular gravel, wet (till)	0.0 ppm	AA5 (16.0-16.5)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
			0.0 ppm		
18			0.0 ppm		
			0.0 ppm		
20					
		NULL: End of Boring at 20 ft.			

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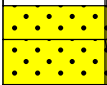
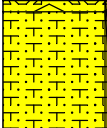
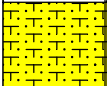
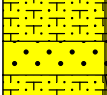
ENSR AECOM	Client: PPG		BORING ID: AA5V		
	Site: PPG - Jersey City, NJ				
Start Date: 10/3/2005	Project: Site Investigation		Page: 1 of 3		
	Coordinates: X-610713 Y-683316		Depth of Boring: 28.00		
End Date: 10/3/2005	Elevation: 13.00		Geologist: Richard Firely		
	Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		UNKNOWN: No Sleeves Collected.			
2					
4					
6					
8					
10					
12					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: AA5V	
		Site: PPG - Jersey City, NJ			
Start Date: 10/3/2005		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-610713 Y-683316		Depth of Boring: 28.00	
End Date: 10/3/2005		Elevation: 13.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12					
14					
16		SAND: Dark reddish brown (5YR 3/2) medium to coarse sand and gravel, trace silt, loose	0 ppm		
		SAND: Dark brown (10YR 3/3) medium to coarse sand and gravel, trace silt, loose	0 ppm	AA5VA (17.0-17.5)	Cr+6
18		GRAVEL: Brown (10YR 5/3) gravel	0 ppm		
		SILTY SAND: Dark reddish brown (2.5YR 3/4) fine sand and silt, little coarse sand and gravel, slight cohesive	0 ppm		
		NR: No recovery			
20		SILTY SAND: Dark reddish brown (2.5YR 3/4) fine sand and silt, little gravel, slight cohesive	0.1 ppm		
		SAND: Dark reddish brown (2.5YR 3/4) fine to medium sand, trace silt, loose	0.1 ppm	AA5VB (21.0-21.5)	Cr+6
22		SILTY SAND: Dark reddish brown (2.5YR 3/4) fine sand and silt, trace gravel, slight cohesive	0.1 ppm		
		NR: No Recovery	0.1 ppm		
24					

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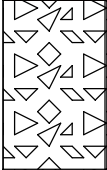
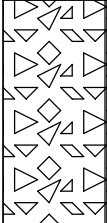
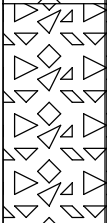
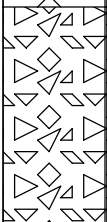
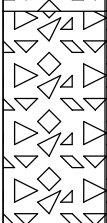
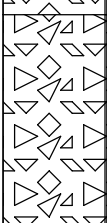
<div>ENSR AECOM</div>		Client: PPG		BORING ID: AA5V	
		Site: PPG - Jersey City, NJ			
Start Date: 10/3/2005		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-610713 Y-683316		Depth of Boring: 28.00	
End Date: 10/3/2005		Elevation: 13.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

24		SILTY SAND: Dark reddish brown (2.5YR 3/4) fine sand and silt, trace gravel, slight cohesive	0.1 ppm		
		GRAVEL: Reddish gray (2.5YR 6/1) medium to coarse gravel, loose	0.1 ppm	AA5VC (25.0-25.5)	Cr+6
26		SILTY SAND: Reddish brown (2.5YR 4/4) fine sand and silt, trace clay, slight cohesive	0.1 ppm		
		NR: No Recovery	0.1 ppm		
28		NULL: End of Boring at 28'			

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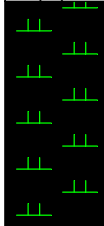
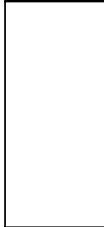
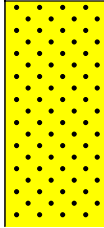

<div>ENSR AECOM</div>		Client: PPG		BORING ID: B4S		
		Site: PPG - Jersey City, NJ				
Start Date: 12/2/2003		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-610816.41 Y-683245.47		Depth of Boring: 20.00		
End Date: 12/2/2003		Elevation: 14.65		Geologist: D. Sherman		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		ASPHALT: Asphalt			
		FILL: Very dark gray (7.5YR 3/1) coarse to fine SAND, some gravel, little silt. Fill-coal ash, clinker, metal		B4-S (0.5-1.0)	TAL Metals, Cr+6, Cyanide
2		FILL: Dark reddish brown (2.5YR 3/3) SILT, some coarse to fine sand, little gravel. Fill-coal ash, clinker, cinder, 50% COPR	0.0 ppm		
4		FILL: Brown (7.5YR 5/4) SILT, some clay, little fine sand. Fill-soda ash, plastic, shells	0.0 ppm		
6		FILL: Very dark gray (10YR 3/1) SILT, some fine sand, little gravel. Fill-brick, clinker, cinder	0.0 ppm	B4-S (5.5-6.0)	TAL Metals, Cr+6, Cyanide
8		FILL: Weak red (2.5YR 4/2) medium to fine SAND, some silt. Fill-root, lime ash, soda ash-like	0.0 ppm		
10		FILL: Weak red (10R 4/4) fine SAND, some gravel, little silt. Fill-brick, wood, lignite, root, cinder	0.0 ppm	B4-S (9.5-10.0)	TAL Metals, Cr+6, Cyanide
12					

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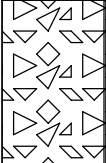
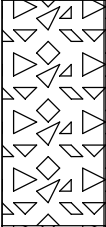
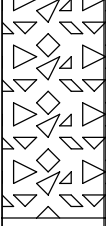
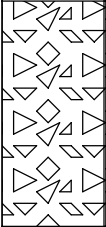
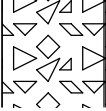
<div>ENSR AECOM</div>		Client: PPG		BORING ID: B4S		
		Site: PPG - Jersey City, NJ				
Start Date: 12/2/2003		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-610816.41 Y-683245.47		Depth of Boring: 20.00		
End Date: 12/2/2003		Elevation: 14.65		Geologist: D. Sherman		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Dark reddish brown (2.5YR 3/4) fine SAND, some silt, little gravel. Fill-brick, cinder, lignite	0.0 ppm		
				B4-S (13.5-14.0)	TAL Metals, Cr+6, Cyanide
14		PEAT: Very dark grayish brown (10YR 3/2) PEAT(meadow mat), some silt	0.0 ppm		
				B4-S (15.5-16.0)	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs
16		NR: No Recovery	0.0 ppm		
18		SAND: Weak red (10R 4/3) coarse to fine SAND, some gravel, little silt, till, native	0.0 ppm		
20					
				NULL: End of Boring at 20 ft.	

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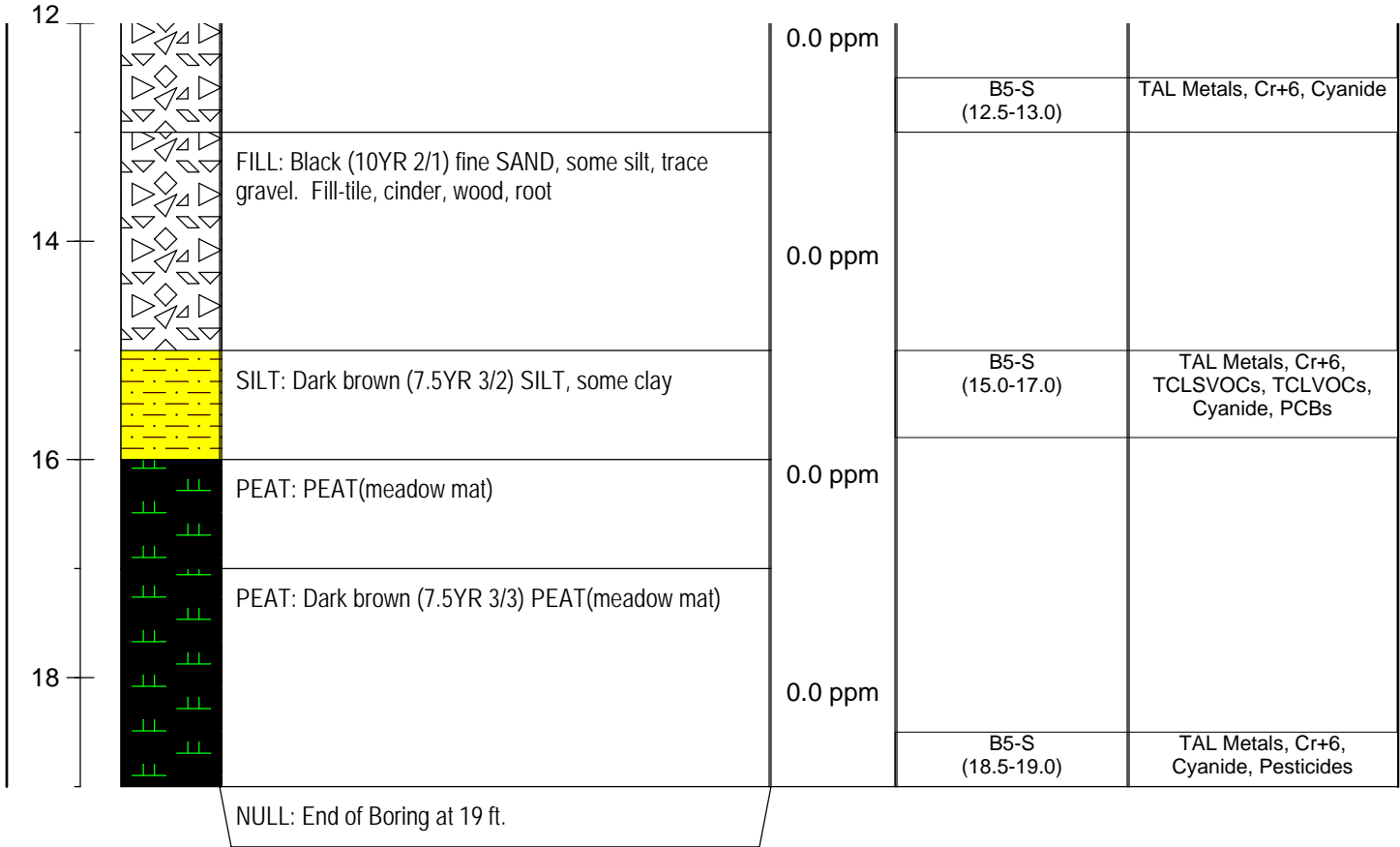
ENSR AECOM		Client: PPG			BORING ID: B5S		
		Site: PPG - Jersey City, NJ					
Start Date: 12/2/2003		Project: Site Investigation			Page: 1 of 2		
		Coordinates: X-610896.61 Y-683362.07			Depth of Boring: 19.00		
End Date: 12/2/2003		Elevation: 14.93			Geologist: D. Sherman		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete Slab			
		FILL: Weak red (10R 4/3) and brownish yellow (10YR 6/6) medium to fine SAND, some silt, little clay. Fill- soda ash-like, wood, clinker			
2		FILL: Brownish yellow (10YR 6/6) medium to fine SAND, well sorted, poorly graded. Fill-clean fill	0.0 ppm		
4		FILL: Multicolored:purple, blue, gray, SILT, some clay, little medium to fine sand. Fill- 90% COPR	0.0 ppm		
6		CONCRETE: Concrete/Rebar	0.0 ppm		
8		NR: No Recovery	0.0 ppm		
10		FILL: Dusky red (10R 3/2) medium to fine SAND, some silt, little gravel. Fill-brick, cinder, pebbles		B5-S (9.0-11.0)	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs
		FILL: Reddish brown (5YR 4/3) medium to fine SAND, some gravel, little silt. Fill-brick, clinker, metal, root	0.0 ppm		
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: B5S		
		Site: PPG - Jersey City, NJ				
Start Date: 12/2/2003		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-610896.61 Y-683362.07		Depth of Boring: 19.00		
End Date: 12/2/2003		Elevation: 14.93		Geologist: D. Sherman		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters



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ENSR AECOM	Client: PPG		BORING ID: B5V		
	Site: PPG - Jersey City, NJ				
Start Date: 10/3/2005	Project: Site Investigation		Page: 1 of 3		
	Coordinates: X-610887 Y-683369		Depth of Boring: 28.00		
End Date: 10/3/2005	Elevation: 15.00		Geologist: Richard Firely		
	Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: No Sleeves Collected.			
2					
4					
6					
8					
10					
12					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: B5V		
		Site: PPG - Jersey City, NJ				
Start Date: 10/3/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610887 Y-683369		Depth of Boring: 28.00		
End Date: 10/3/2005		Elevation: 15.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

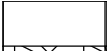










12					
14					
16		CLAYEY SILT: Black (7.5YR 2.5/1) silt and clay, trace organics, cohesive	0 ppm		
		PEAT: Very dark gray (7.5YR 3/1) peat	0 ppm		
18		SILT: Gray (7.5YR 6/1) silt, trace clay, slight cohesive	0 ppm	B5VA (17.5-18.0)	Pb
		NR: No Recovery	0 ppm		
20		SILT: Gray (7.5YR 6/1) silt, trace clay, slight cohesive	0 ppm		
		SILT: Weak red (2.5YR 5/2) silt, little clay, cohesive	0 ppm		
22		SAND: Dark reddish brown (2.5YR 3/3) fine sand, little silt, loose	0 ppm	B5VB (21.4-21.9)	Pb
		NR: No Recovery	0 ppm		
24					

NOTES:

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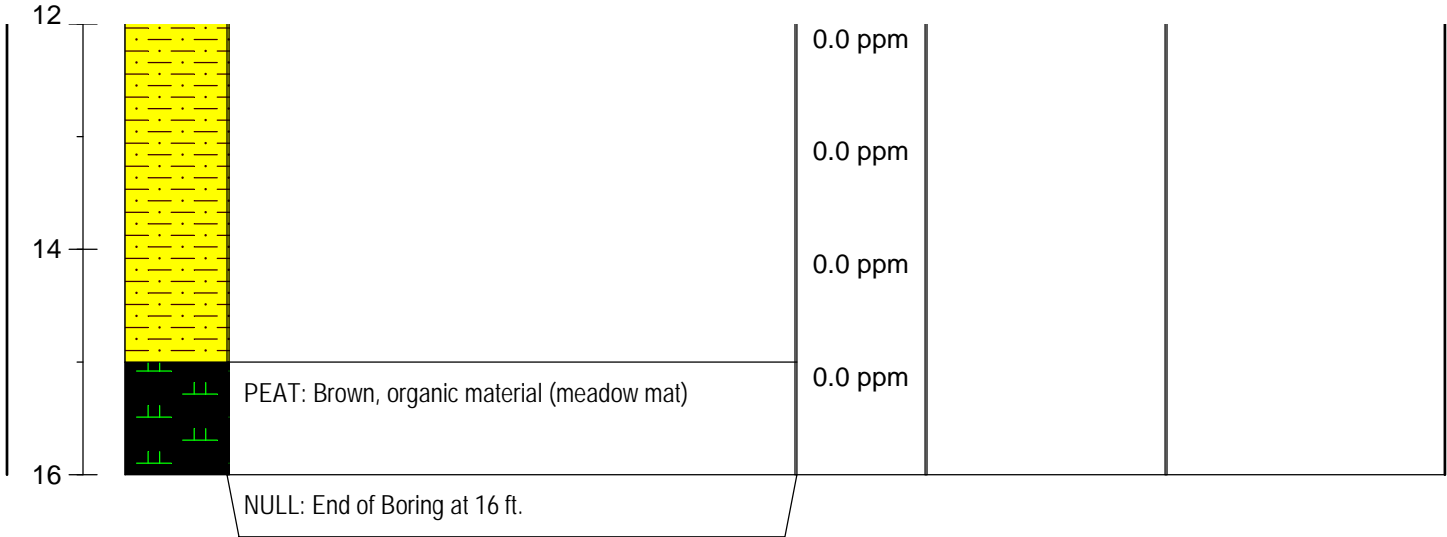
<div>ENSR AECOM</div>		Client: PPG		BORING ID: B6		
		Site: PPG - Jersey City, NJ				
Start Date: 8/20/2003		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-610899.46 Y-683490.43		Depth of Boring: 16.00		
End Date: 8/20/2003		Elevation: 14.77		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete Core: 30% gravel, no rebar, no staining observed			
				B6 (0.5-1.0)	TAL Metals, Cr+6
2		FILL: Orange, medium to fine sand, dry	0.0 ppm		
4		FILL: COPR, trap rock, some silt	0.0 ppm		
6		FILL: Black, coarse sand, gravel, possible slag	0.0 ppm	B6 (2.5-3.0)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
				B6 (3.0-3.5)	TAL Metals, Cr+6
8		FILL: Black, coarse sand, gravel, possible slag	0.0 ppm		
10		FILL: Red brown, fine silt, large gravel, trace sand, layer of loose ash	0.0 ppm		
12		SILT: Gray, loose, gravel	0.0 ppm		
14		FINE SAND: Black	0.0 ppm		
16		SAND: Coarse, gravel	0.0 ppm		
18		SILT: Brown, gray mottling, fine	0.0 ppm		
20		SILT: Brown, gray mottling, fine	0.0 ppm	B6 (10.5-11.0)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: B6	
		Site: PPG - Jersey City, NJ			
Start Date: 8/20/2003		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-610899.46 Y-683490.43		Depth of Boring: 16.00	
End Date: 8/20/2003		Elevation: 14.77		Geologist:	
		Drill Subcontractor: S&S		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

SCHOOR DEPALMA

Page 1 of 2

LOG OF SOIL BORING B601

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 15.0				PROJECT NUMBER 020667601								
DRILLING CONTRACTOR Advanced Drilling, Inc.				FOREMAN Craig Jablonski				DATE STARTED 08/18/03				DATE COMPLETED 08/18/03				
DRILLING EQUIPMENT Geoprobe				COMPLETION DEPTH (FT BGS) 16.0				ROCK DEPTH (FT) Not Encountered								
TYPE BIT Direct Push Casing				SIZE AND TYPE CORE BARREL				NO. SAMPLES		DIST. 4		UNDIST. 0		CORE 0		
CASING 2-inch diameter				2-in diam 4-ft acetate liner				WATER DEPTH		FIRST 2.5		COMPL. N/A		24HR N/A		
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION Central portion of site, within footprint of former Retort house (AOC6)										
SAMPLER Direct Push Casing				INSPECTOR John Karon												
SAMPLER HAMMER		WEIGHT N/A		DROP N/A												
DESCRIPTION				Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
							Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-2.5' FILL: Dark Brown (7.5YR 3/2) Silty Fine Sand with Chromate Ore Processing Residual (COPR), Brick and Concrete pieces, firm, dry					0											0.0-0.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1520
						1	3.1	N/A	1520	0.0	0.0	1520	N/A			
2.5-5.0' FILL: Black (5YR 2.5/1) ash material (AM), clinker material (CM), coal pieces and Silty Fine to Medium Sand, firm, wet				▽											1.5-2.0' Sample for VOC at 1520	
5.0-10.5' Brown (7.5YR 5/4) Silty Fine Sand, firm															2.0-2.5' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 1555	
															2.5-3.0' Sample for TAL Metals and Cr ⁺⁶ at 1600	
															6.0-6.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1530	

LOG OF SOIL BORING B601

PROJECT LOCATION
Halladay Street, Jersey City, New Jersey

GROUND ELEVATION (FT. MSL)
16.0

PROJECT NUMBER
020667601

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
12.0-14.0' Gray (10YR 5/1) Silty Fine Sand, firm, wet		- 12 -		4	3.0	N/A	1540	14.0	0.0	1540	N/A		
		- - -						8.0					
		- 13 -						6.0					
		- - -						3.0					
14.0-15.0' Yellowish Brown (10YR 5/4) Silty Fine Sand, firm, moist		- 14 -						2.0					14.0-14.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1540
		- - -						2.0					
End of boring at 16.0'		- 15 -											
		- - -											
		- 16 -											
		- - -											
		- 17 -											
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<div>ENSR AECOM</div>		Client: PPG			BORING ID: B6V		
		Site: PPG - Jersey City, NJ					
Start Date: 10/4/2005		Project: Site Investigation			Page: 1 of 3		
		Coordinates: X-610905 Y-683495			Depth of Boring: 24.00		
End Date: 10/4/2005		Elevation: 14.00			Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		FILL: No Sleeves Collected.			
2					
4		FILL: Gray (7.5YR 5/1) fine gravel, little silt and fine sand, some medium to coarse gravel, loose	0 ppm		
		FILL: Very dark gray (7.5YR 3/1) fine sand and silt, little clay, trace medium gravel, slight cohesive	0 ppm		
6		FILL: Brown (7.5YR 5/4) coarse gravel, loose	0 ppm	B6VA (5.9-6.4)	Cr+6
		FILL: Black (7.5YR 2.5/1) medium to coarse gravel, ash and coal fragments, little medium to coarse sand and fine gravel, trace silt, loose	0 ppm		
8		NR: No Recovery			
		FILL: Weak red (2.5YR 4/2) medium to coarse gravel, ash and coal fragments, little medium to coarse sand and fine gravel, trace silt, loose	0.5 ppm	B6VB (8.0-8.5)	Cr+6
			0.5 ppm		
10		FILL: Dark reddish brown (5YR 3/3) fine sand and silt, little fine gravel, cohesive	0.5 ppm		
		FILL: Waste mud 100%			
		FILL: Black (7.5YR 2.5/1) fine sand and silt, cohesive	0.5 ppm		
12		NR: No Recovery			

NOTES:

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: B6V		
		Site: PPG - Jersey City, NJ				
Start Date: 10/4/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610905 Y-683495		Depth of Boring: 24.00		
End Date: 10/4/2005		Elevation: 14.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Dark reddish brown to dark brown (5YR 3/2 to 7.5YR 3/2) fine sand and silt, trace to little organics, trace medium gravel, cohesive	0.1 ppm	B6VC (12.0-12.5)	Sb
			0.1 ppm		
14		PEAT: Black (7.5YR 2.5/1) peat NR: No Recovery	0.1 ppm		
			0.1 ppm		
16		PEAT: Black (7.5YR 2.5/1) peat	0 ppm	B6VD (16.0-16.5)	Sb
			0 ppm		
18		CLAY: Dark gray (7.5YR 4/1) silt, some clay, little fine sand, cohesive SILTY SAND: Very dark gray (7.5YR 3/1) fine sand and silt, little medium sand, trace fine gravel and clay, slight cohesive	0 ppm		
			0 ppm		
20		SILTY SAND: Black (7.5YR 2.5/1) fine sand and silt, trace organics, cohesive SILTY SAND: Dark reddish gray (5YR 4/2) fine to medium sand and silt, trace clay and fine gravel, cohesive	0 ppm	B6VE (20.0-20.5)	Sb
			0 ppm		
22		SILTY SAND: Dark reddish brown (2.5YR 3/4) fine sand, silt, and fine to coarse gravel, slight cohesive	0 ppm		
			0 ppm		
24		NR: No Recovery	0 ppm		

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		Client: PPG		BORING ID: B6V		
		Site: PPG - Jersey City, NJ				
Start Date: 10/4/2005		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-610905 Y-683495		Depth of Boring: 24.00		
End Date: 10/4/2005		Elevation: 14.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters


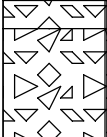
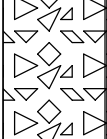
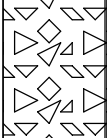
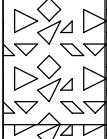
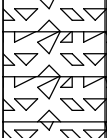
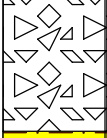
24

NULL: End of Boring at 24'

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>B7</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 8/21/2003		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-610898.81 Y-683601.86		Depth of Boring: 12.00		
End Date: 8/21/2003		Elevation: 13.11		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		CONCRETE: Loose, silt, ash, brick, glass	0.0 ppm	B7 (0.0-0.5)	TAL Metals, Cr+6
		FILL: Black, fine silt		B7 (0.5-1.0)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
2		FILL: Gray, slight yellow staining in last inch of core, brick, concrete, cobble	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
4			0.0 ppm	B7 (3.5-4.0)	TAL Metals, Cr+6
			0.0 ppm		
			0.0 ppm		
6		FILL: Black, gravel, slag, coke	0.0 ppm		
		FILL: Black, silty sand, some cobble	0.0 ppm		
		FILL: Gray, fine silt	0.0 ppm		
		FILL: Gray, fine silt, some sand, trace gravel and ash	0.0 ppm		
8			0.0 ppm	B7 (8.0-8.5)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
10			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
12			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		

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		Client: PPG			BORING ID: B7		
		Site: PPG - Jersey City, NJ					
Start Date: 8/21/2003		Project: Site Investigation			Page: 2 of 2		
		Coordinates: X-610898.81 Y-683601.86			Depth of Boring: 12.00		
End Date: 8/21/2003		Elevation: 13.11			Geologist:		
		Drill Subcontractor: S&S			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

12

NULL: End of Boring at 12 ft.


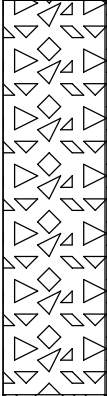
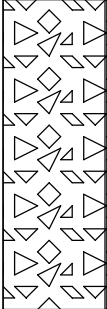
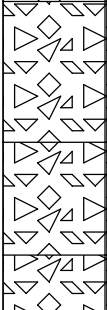
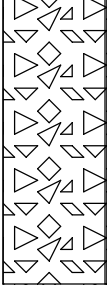
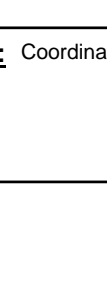
NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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BC8


No Boring Log Available

<div>ENSR AECOM</div>		Client: PPG		BORING ID: C3	
		Site: PPG - Jersey City, NJ			
Start Date: 8/27/2003		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X-611046.58 Y-683115.86		Depth of Boring: 16.00	
End Date: 8/27/2003		Elevation: 14.26		Geologist:	
		Drill Subcontractor: S&S		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		ASPHALT			
		FILL: COPR, yellow (staining), concrete	0.0 ppm	C3 (0.5-1.0)	TAL Metals, Cr+6
			0.0 ppm	C3 (1.5-2.0)	TAL Metals, Cr+6
			0.0 ppm		
			0.0 ppm		
2		FILL: COKE/SLAG, brick, wood	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm	C3 (5.0-5.5)	TAL Metals, SVOCs, PCBs, VOCs, Cyanide
4		FILL: Gray silt (green staining), fine, some fine sand	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
6		FILL: COKE/SLAG	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
8		FILL: Gray silt, (yellow staining), fine, some fine sand	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm	C3 (11.0-11.5)	TAL Metals, Cr+6
10			0.0 ppm		
12					

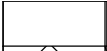






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		Client: PPG			BORING ID: C3		
		Site: PPG - Jersey City, NJ					
Start Date: 8/27/2003		Project: Site Investigation			Page: 2 of 2		
		Coordinates: X-611046.58 Y-683115.86			Depth of Boring: 16.00		
End Date: 8/27/2003		Elevation: 14.26			Geologist:		
		Drill Subcontractor: S&S			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

<div>ENSR AECOM</div>		Client: PPG		BORING ID: C4	
		Site: PPG - Jersey City, NJ			
Start Date: 8/21/2003		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X-611027.55 Y-683252.03		Depth of Boring: -20.0	
End Date: 8/27/2003		Elevation: 15.61		Geologist:	
		Drill Subcontractor: S&S		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete core: 30% gravel, rebar present, slight yellow staining on bottom 1/8" of core	0.0 ppm	C4 (0.5-1.0)	TAL Metals, Cr+6
		FILL: Red brown COPR, cobble, coarse sand			
2		FILL: Black, coarse sand, cobble, some COPR	0.0 ppm	C4 (2.0-2.5)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
		FILL: Gray silt, (yellow staining), trace sand, little COPR			
4		FILL: Gray silt, (yellow staining), trace sand, some COPR	0.0 ppm		
			0.0 ppm		
6			0.0 ppm		
			0.0 ppm		
8			0.0 ppm		
			0.0 ppm		
10			0.0 ppm		
			0.0 ppm		
12			0.0 ppm		
			0.0 ppm		

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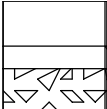
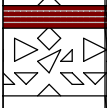
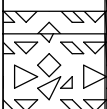
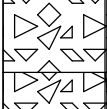
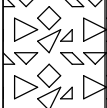
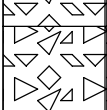
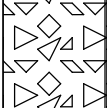
ENSR AECOM		Client: PPG		BORING ID: C4		
		Site: PPG - Jersey City, NJ				
Start Date: 8/21/2003		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-611027.55 Y-683252.03		Depth of Boring: -20.0		
End Date: 8/27/2003		Elevation: 15.61		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12			0.0 ppm		
			0.0 ppm		
14			0.0 ppm		
			0.0 ppm		
16		PEAT: Dark brown, organic material (meadow mat)	0.0 ppm	C4 (16.0-16.5)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
			0.0 ppm		
18			0.0 ppm		
			0.0 ppm		
20			0.0 ppm		
NULL: End of Boring at 20 ft.					

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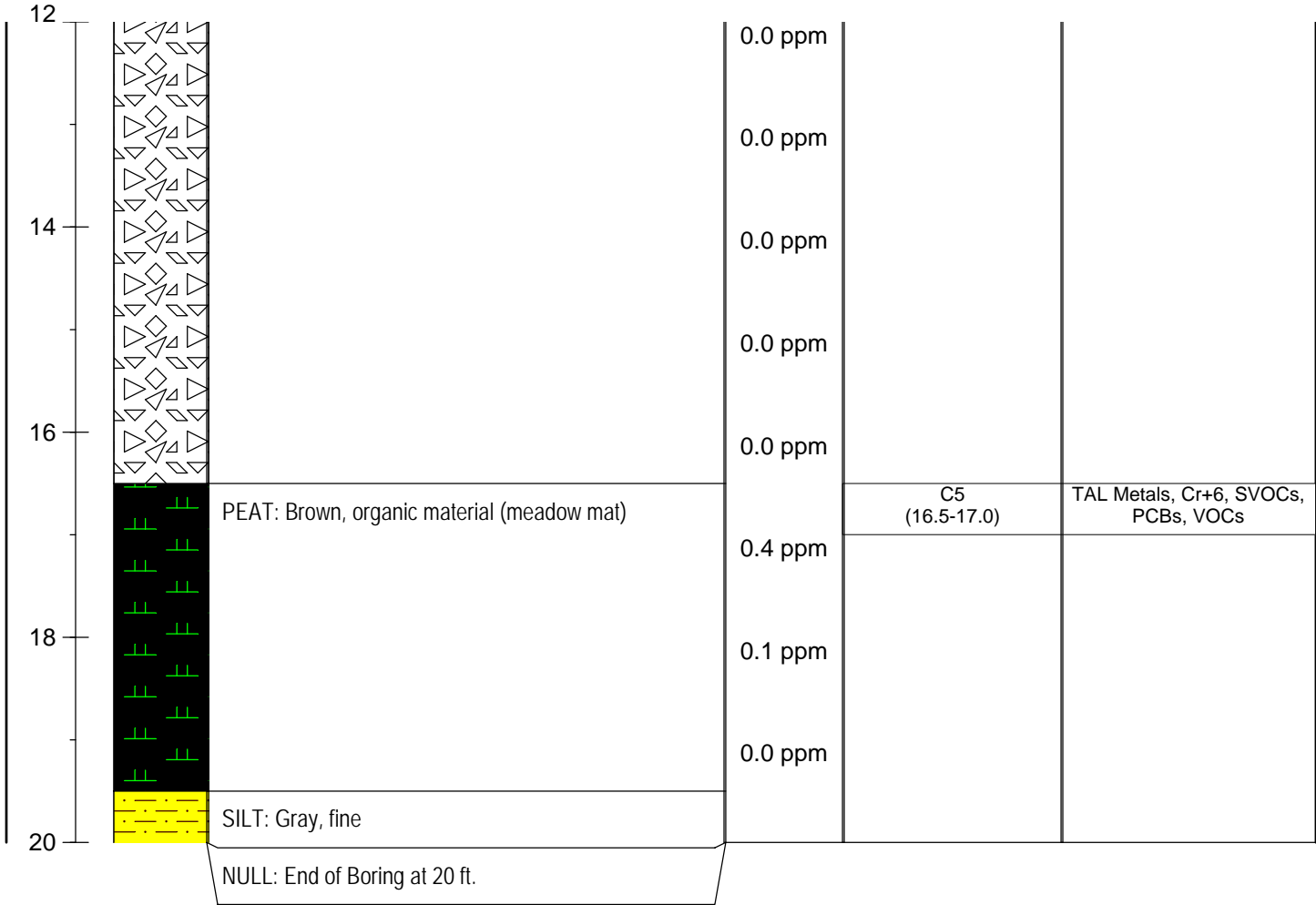
<div>ENSR AECOM</div>		Client: PPG			BORING ID: C5		
		Site: PPG - Jersey City, NJ					
Start Date: 8/20/2003		Project: Site Investigation			Page: 1 of 2		
		Coordinates: X-611023.95 Y-683370.39			Depth of Boring: 20.00		
End Date: 8/20/2003		Elevation: 14.76			Geologist:		
		Drill Subcontractor: S&S			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		CONCRETE	0.0 ppm	C5 (0.0-0.5)	Concrete Core: TCLP RCRA Metals, TCL VOCs, TCL SVOCs, TCL Pesticides/PCBs, TAL Metals, Cr+6 Soil: TAL Metals, Cr+6
		COBBLE			
2		FILL: Orange, moderate to fine sand, trace silt, dry	0.0 ppm		
		ASPHALT			
4		FILL: Rock fragments	0.0 ppm	C5 (2.5-3.0)	SVOCs, PCBs
		CONCRETE: Yellow staining		C5 (3.0-3.5)	TAL Metals, Cr+6, VOCs, Cyanide
6		FILL: Black, slag, trace moderate sand, some silt	0.0 ppm		
		FILL: Red brown/orange COPR, some silt, trace sand			
8		FILL: Gray silt, (yellow staining), fine, small angular gravel	0.0 ppm		
		FILL: Dark gray sand and silt, (yellow staining), gravel, some COPR nodules present			
10			0.0 ppm		
		FILL: Orange sand and silt, gravel, some COPR, nodules present			
12		FILL: Gray sand and silt, yellow staining, gravel, little COPR nodules present	0.0 ppm		
		FILL: Dark gray, coal, slag, ash, rock, cobble, organic matter			
			0.0 ppm		
			0.0 ppm	C5 (11.5-12.0)	TAL Metals, Cr+6

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: C5	
		Site: PPG - Jersey City, NJ			
Start Date: 8/20/2003		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-611023.95 Y-683370.39		Depth of Boring: 20.00	
End Date: 8/20/2003		Elevation: 14.76		Geologist:	
		Drill Subcontractor: S&S		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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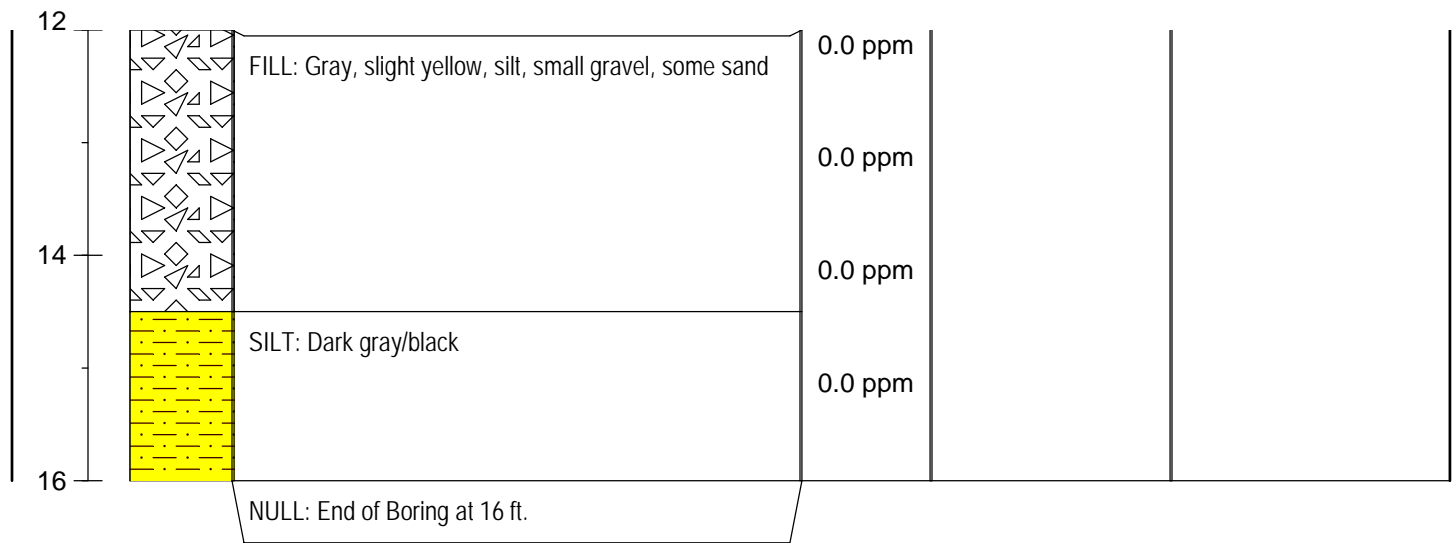
<div>ENSR AECOM</div>		Client: PPG		BORING ID: C6		
		Site: PPG - Jersey City, NJ				
Start Date: 8/20/2003		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611022.86 Y-683494.47		Depth of Boring: 16.00		
End Date: 8/20/2003		Elevation: 14.55		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete Core: Yellow staining extended up 2" from bottom of core, chrome residual material observed, 35% gravel	0.0 ppm	C6 (0.5-1.0)	TAL Metals, Cr+6
2		FILL: Orange, fine sand, trace silt	0.0 ppm		
		FILL: Gray silt, fine, some sand, trace small angular gravel	0.0 ppm		
4		FILL: Red brown COPR	0.0 ppm	C6 (3.0-3.5)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
		FILL: Black gravel, coal	0.0 ppm		
6		NR: No Recovery	0.0 ppm		
			0.0 ppm		
8		FILL: Gray silt, yellow staining, fine, trace clay, gravel	0.0 ppm		
			0.0 ppm		
10			0.0 ppm		
			0.0 ppm		
12		FILL: Dark brown/black silt, organic material	0.0 ppm	C6 (11.0-11.5)	TAL Metals, Cr+6
				C6 (11.5-12.0)	TAL Metals, Cr+6

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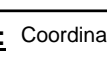
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		Site: PPG - Jersey City, NJ			
Start Date: 8/20/2003		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-611022.86 Y-683494.47		Depth of Boring: 16.00	
End Date: 8/20/2003		Elevation: 14.55		Geologist:	
		Drill Subcontractor: S&S		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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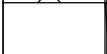






<div>ENSR AECOM</div>		Client: PPG		BORING ID: C7	
		Site: PPG - Jersey City, NJ			
Start Date: 8/21/2003		Project: Site Investigation		Page: 1 of 1	
		Coordinates: X-611023.99 Y-683610.96		Depth of Boring: 10.00	
End Date: 8/21/2003		Elevation: 15.15		Geologist:	
		Drill Subcontractor: S&S		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: Grass, silt, organic material	0.0 ppm	C7 (0.0-0.5)	TAL Metals, Cr+6
		FILL: Brown silt, loose			
		FILL: Orange, fine sand			
2		FILL: Silt, organics, wood	0.0 ppm		
		FILL: Yellow (staining), cobble, coarse sand	0.0 ppm		
		FILL: Gray silt with heavy yellow staining, trace COPR	0.0 ppm	C7 (3.0-3.5)	TAL Metals, Cr+6
4			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
6			0.0 ppm		
			0.0 ppm		
8		FILL: Refusal, wood piling	0.0 ppm		
			0.0 ppm		
10					
		NULL: End of Boring at 10 ft.			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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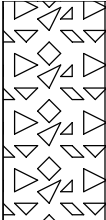
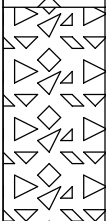
<div>ENSR AECOM</div>		Client: PPG		BORING ID: C8		
		Site: PPG - Jersey City, NJ				
Start Date: 8/21/2003		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611013.16 Y-683735.77		Depth of Boring: 16.00		
End Date: 8/21/2003		Elevation: 19.72		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete Core: 30% gravel, slight yellow staining at 1/4" from bottom of core, possible COPR nodules observed on bottom	0.0 ppm	C8 (0.0-0.5)	Concrete Core: GC/MS VOA's, GC/MS SVOA's, Pesticides, PCBs, TAL Metals, Cr+6 Soil: TAL Metals, Cr+6
		FILL: Orange, fine sand, cobble present at bottom		C8 (0.5-1.0)	TAL Metals, Cr+6, VOCs, Cyanide
2		ASPHALT	0.0 ppm	C8 (1.0-1.5)	TAL Metals, Cr+6
		FILL: Sand, silt, cobble, possible COPR, gravel			
		NR: No Recovery	0.0 ppm		
			0.0 ppm		
4			0.0 ppm		
			0.0 ppm		
6			0.0 ppm		
			0.0 ppm		
8		FILL: Brown to black silt, clumps of wood and brick, yellow staining observed in water	0.0 ppm		
			0.0 ppm	C8 (8.5-9.0)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
10		FILL: Red brown silt, fine, gravel, wet	0.0 ppm		
			0.0 ppm		
12			0.0 ppm		
			0.0 ppm		

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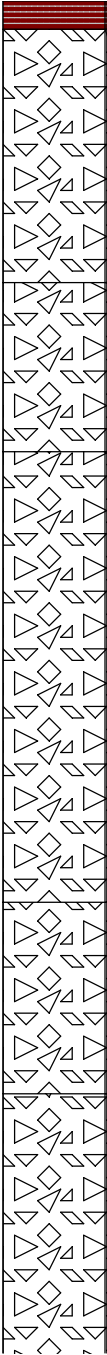
<div>ENSR AECOM</div>		Client: PPG		BORING ID: C8	
		Site: PPG - Jersey City, NJ			
Start Date: 8/21/2003		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-611013.16 Y-683735.77		Depth of Boring: 16.00	
End Date: 8/21/2003		Elevation: 19.72		Geologist:	
		Drill Subcontractor: S&S		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Brown silt, some fine sand and gravel, trace organic material (roots)	0.0 ppm		
			0.0 ppm		
14		FILL: Brown silt, very tight, (coal, mica, chrome), yellow staining	0.0 ppm		
			0.0 ppm		
16		NULL: End of Boring at 16 ft.			

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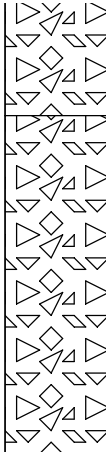
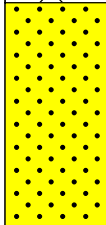
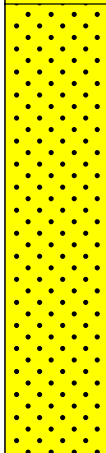
<div>ENSR AECOM</div>		Client: PPG			BORING ID: C9		
		Site: PPG - Jersey City, NJ					
Start Date: 9/3/2003		Project: Site Investigation			Page: 1 of 2		
		Coordinates: X-611015.15 Y-683832.21			Depth of Boring: 23.00		
End Date: 9/3/2003		Elevation: 12.97			Geologist:		
		Drill Subcontractor: Terra Probe			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		ASPHALT			
		FILL: Brown fine sand, wood, brick, cobble (yellow stained), some silt	0.0 ppm	C9 (0.5-1.0)	TAL Metals, Cr+6
				C9 (1.0-1.5)	TAL Metals, Cr+6
2			1.8 ppm		
		FILL: Brown fine silt, trace sand	26 ppm	C9 (2.5-3.0)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
4			32 ppm		
		FILL: Brown to gray-yellow, fine sand, some silt	4 ppm		
6			0.0 ppm		
			0.0 ppm	C9 (7.0-7.5)	TAL Metals, Cr+6
8		FILL: Brown/yellow/orange, fine sand, trace silt, cobble	0.0 ppm		
			0.0 ppm		
10		FILL: Brown silt, with wood	0.0 ppm		
			0.0 ppm		
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: C9	
		Site: PPG - Jersey City, NJ			
Start Date: 9/3/2003		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-611015.15 Y-683832.21		Depth of Boring: 23.00	
End Date: 9/3/2003		Elevation: 12.97		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

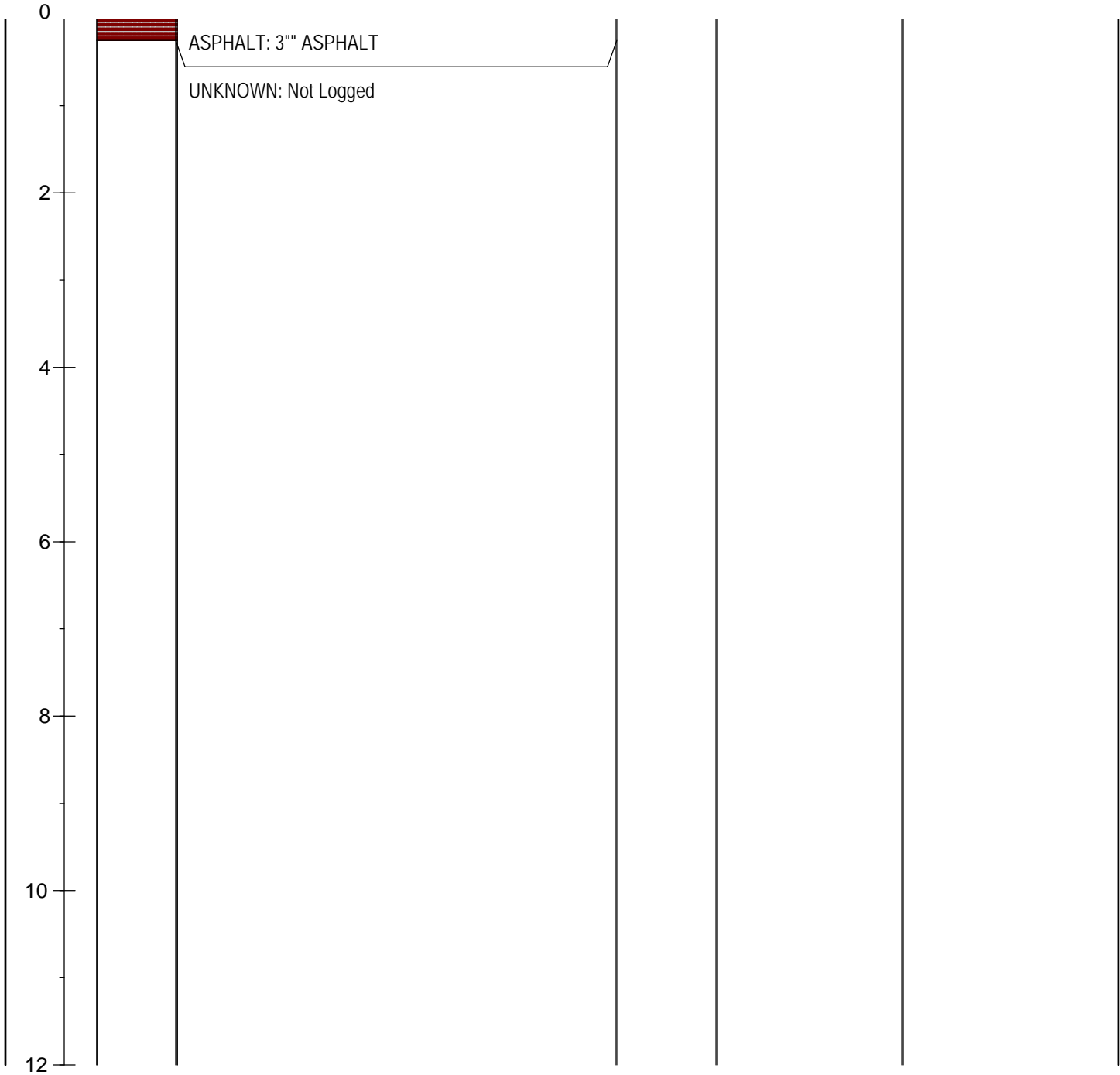
12		FILL: Yellow stained, coarse sand	0.0 ppm				
			0.0 ppm				
14			0.0 ppm				
			0.0 ppm				
16		SAND: Red brown, trace to some silt, cobble	0.0 ppm				
			0.0 ppm				
18			0.0 ppm				
			0.0 ppm				
20		SAND: Red brown	0.0 ppm				
			0.0 ppm				
22			0.0 ppm				
			0.0 ppm				
			NULL: End of Boring at 23 ft.		0.0 ppm	C9 (21.5-22.0)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
					0.0 ppm	C9 (22.5-23.0)	TAL Metals, Cr+6

NOTES:

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ENSR AECOM	Client: PPG		BORING ID: C9V		
	Site: PPG - Jersey City, NJ				
Start Date: 10/6/2005	Project: Site Investigation		Page: 1 of 4		
	Coordinates: X-611014.86 Y-683837.42		Depth of Boring: 36.00		
End Date: 10/6/2005	Elevation: 13.00		Geologist: McCray, Scott		
	Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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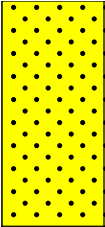
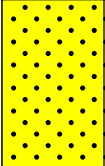
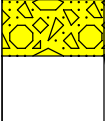
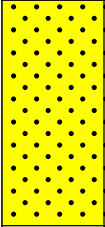
ENSR AECOM	Client: PPG		BORING ID: C9V		
	Site: PPG - Jersey City, NJ				
Start Date: 10/6/2005	Project: Site Investigation		Page: 2 of 4		
	Coordinates: X-611014.86 Y-683837.42		Depth of Boring: 36.00		
End Date: 10/6/2005	Elevation: 13.00		Geologist: McCray, Scott		
	Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12					
14					
16					
18					
20					
22					
24					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: C9V	
		Site: PPG - Jersey City, NJ			
Start Date: 10/6/2005		Project: Site Investigation		Page: 3 of 4	
		Coordinates: X-611014.86 Y-683837.42		Depth of Boring: 36.00	
End Date: 10/6/2005		Elevation: 13.00		Geologist: McCray, Scott	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

24		SAND: Dusky Red (10R 3/4) fine-very fine SAND, some Silt, little angular to rounded Gravel, damp, trace of Green color in small patches throughout, wet	0.0 ppm		
				C9VA 25.0-25.5	Cr+6
26		NR: No Recovery			
28		SAND: Same as above (SAA) without Green color patches	0.0 ppm		
				C9VB 29.0-29.5	Cr+6
30		GRAVEL: Dusky Red (10R 3/4) coarse angular to subangular GRAVEL, some coarse-fine Sand, little Silt, wet			
		NR: No Recovery			
32		SAND: Dusky Red (10R 3/4) medium-fine SAND, some Silt, trace Gravel, wet (32-33'), damp (33-34')	0.0 ppm		
				C9VC 33.0-33.5	Cr+6
34		NR: No Recovery			
36					

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		Client: PPG		BORING ID: C9V		
		Site: PPG - Jersey City, NJ				
Start Date: 10/6/2005		Project: Site Investigation		Page: 4 of 4		
		Coordinates: X-611014.86 Y-683837.42		Depth of Boring: 36.00		
End Date: 10/6/2005		Elevation: 13.00		Geologist: McCray, Scott		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters


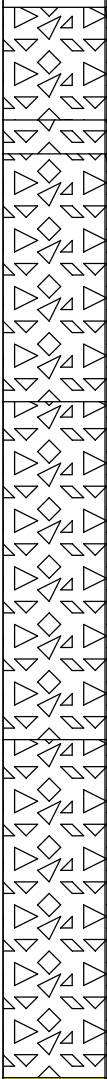
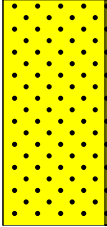
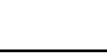
36

NULL: End of Boring at 36 ft.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: D10		
		Site: PPG - Jersey City, NJ				
Start Date: 8/21/2003		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611141.89 Y-683913.65		Depth of Boring: 12.00		
End Date: 8/21/2003		Elevation: 15.92		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		ASPHALT			
2		COBBLE	0.0 ppm	D10 (0.5-1.0)	TAL Metals, Cr+6
		FILL: Yellow silt (staining), cobble, coal, coke/slag			
		FILL: Yellow silt (staining), fine	0.0 ppm	D10 (1.5-2.0)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
		FILL: Orange, sandy silt, small gravel			
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
8		FILL: COKE/SLAG	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
10		SAND: Red brown, cobble	0.0 ppm		
			0.0 ppm	D10 (11.0-11.5)	TAL Metals, Cr+6
12					

NOTES:

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		Client: PPG			BORING ID: D10	
		Site: PPG - Jersey City, NJ				
Start Date: 8/21/2003		Project: Site Investigation			Page: 2 of 2	
		Coordinates: X-611141.89 Y-683913.65			Depth of Boring: 12.00	
End Date: 8/21/2003		Elevation: 15.92			Geologist:	
		Drill Subcontractor: S&S			Driller:	
Depth (ft)	Lithology	Description			PID	Sample ID
Sample Parameters						

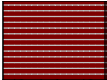
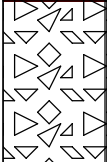
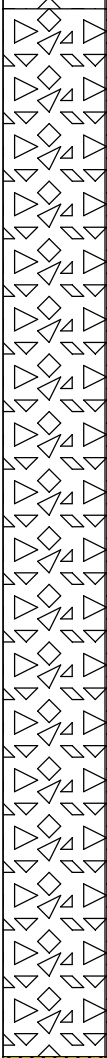

12

NULL: End of Boring at 12 ft.

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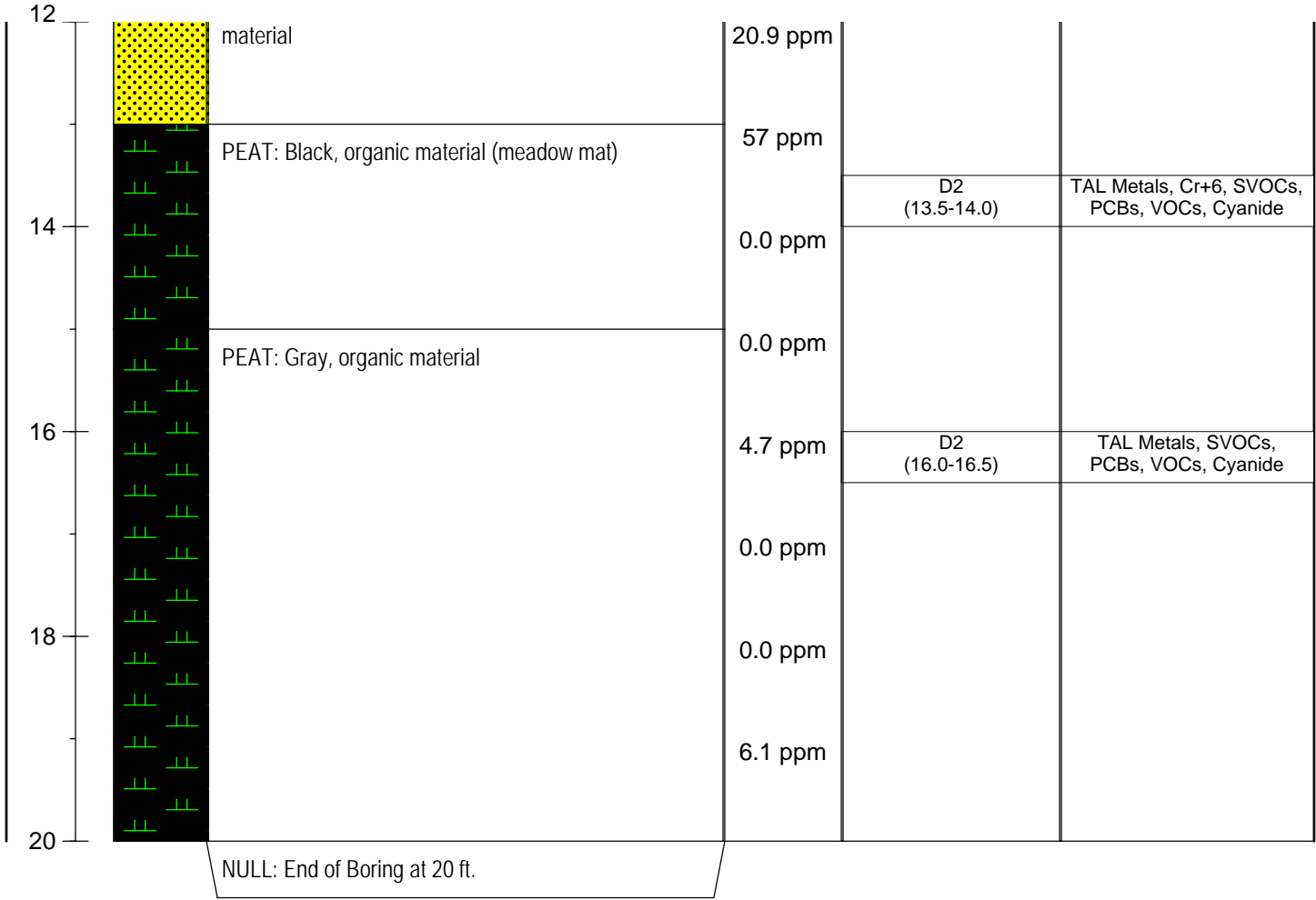
<div>ENSR AECOM</div>		Client: PPG		BORING ID: D2		
		Site: PPG - Jersey City, NJ				
Start Date: 8/25/2003		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611159.94 Y-683027.02		Depth of Boring: 20.00		
End Date: 8/25/2003		Elevation: 13.69		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		ASPHALT			
		FILL: Brown/red brown, COPR	0.0 ppm	D2 (0.7-1.4)	TAL Metals, Cr+6
2				D2 (1.5-2.0)	TAL Metals, Cr+6
		FILL: Brown/red brown, COPR	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
		FINE SAND: Black (stained), some silt, trace organic	21.8 ppm		
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: D2	
		Site: PPG - Jersey City, NJ			
Start Date: 8/25/2003		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-611159.94 Y-683027.02		Depth of Boring: 20.00	
End Date: 8/25/2003		Elevation: 13.69		Geologist:	
		Drill Subcontractor: S&S		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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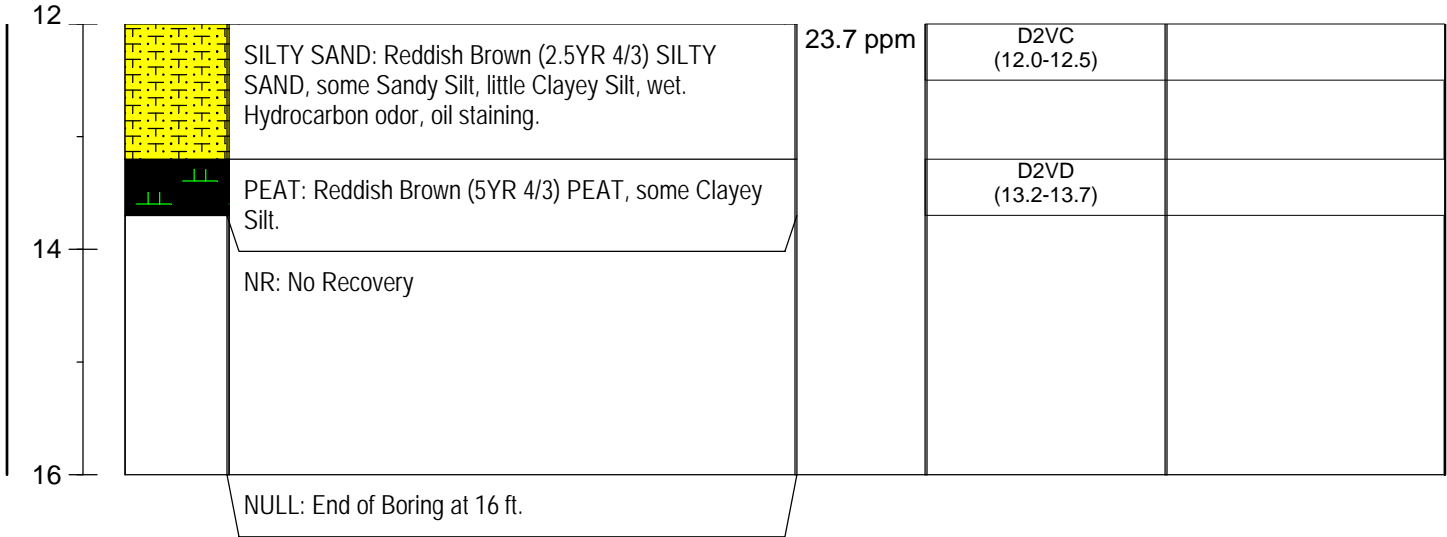
<div>ENSR AECOM</div>		Client: PPG		BORING ID: D2V	
		Site: PPG - Jersey City, NJ			
Start Date: 10/21/2005		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X-611163 Y-683023		Depth of Boring: 16.00	
End Date: 10/21/2005		Elevation: 14.00		Geologist: D. Sherman	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		ASPHALT: 2" ASPHALT	2.1 ppm		
		FILL: Very Dusky Red (2.5YR 2.5/2) fine to coarse SAND, some Gravel, 75% COPR.			
2		FILL: Dusky Red (2.5YR 3/2) fine to medium SAND, some Silty Sand, wet. 80% COPR, 20% Mud Waste.			
		NR: No Recovery			
4		FILL: Weak Red (2.5YR 4/2) fine to coarse SAND, some Sandy Silt, little Silty Sand, wet. 80% COPR, 20% Mud Waste.	2.3 ppm	D2VA (4.0-4.5)	
6					
		NR: No Recovery		D2VB (6.5-7.0)	
8		FILL: Reddish Brown (2.5YR 4/3) fine to coarse SAND, some fine to medium Gravel, wet, oily material (sheen). 100% COPR.	5.6 ppm		
		NR: No Recovery			
10					
12					

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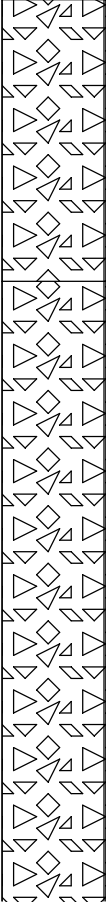
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		Site: PPG - Jersey City, NJ			
Start Date: 10/21/2005		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-611163 Y-683023		Depth of Boring: 16.00	
End Date: 10/21/2005		Elevation: 14.00		Geologist: D. Sherman	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG		BORING ID: D3		
		Site: PPG - Jersey City, NJ				
Start Date: 8/27/2003		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611135.58 Y-683119		Depth of Boring: 20.00		
End Date: 8/27/2003		Elevation: 18.87		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

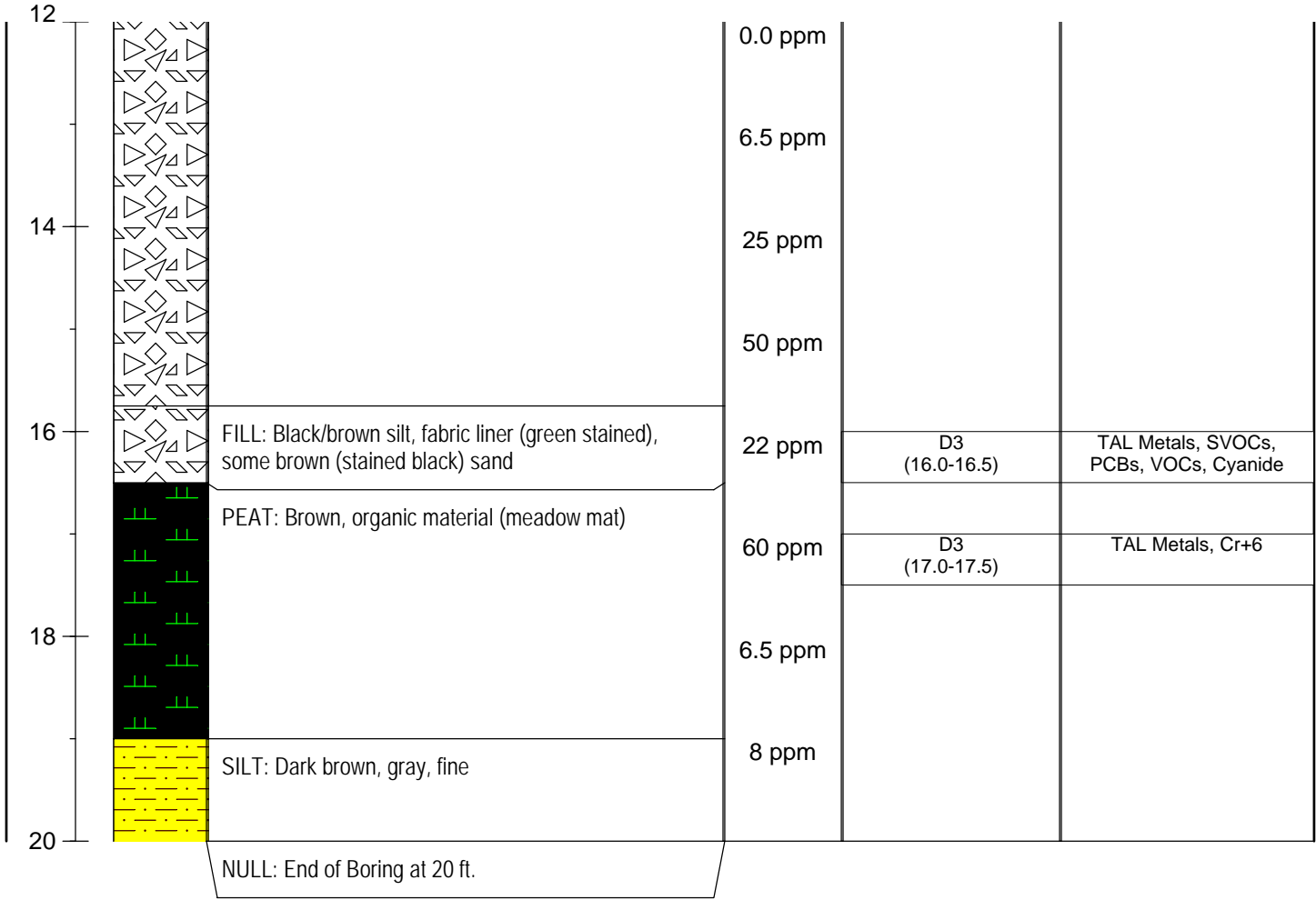
0		CONCRETE: 40% gravel, rebar present, iron staining present on bottom (underside of core)			
		NR: Void	0.0 ppm		
2		NR: No Recovery	0.0 ppm		
			0.0 ppm		
4		FILL: Red brown, COPR, cobble, fill (yellow stained)	0.0 ppm	D3 (4.0-4.5)	TAL Metals, Cr+6
			0.0 ppm		
6			0.0 ppm	D3 (6.0-6.5)	TAL Metals, SVOCs, PCBs, VOCs, Cyanide
		FILL: Orange, fine sand, some well rounded gravel, lime stringers	0.0 ppm	D3 (6.5-7.0)	TAL Metals, Cr+6
8			0.0 ppm		
			0.0 ppm		
10			0.0 ppm		
			0.0 ppm		
12					

NOTES:

Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: D3		
		Site: PPG - Jersey City, NJ				
Start Date: 8/27/2003		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-611135.58 Y-683119		Depth of Boring: 20.00		
End Date: 8/27/2003		Elevation: 18.87		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG		BORING ID: D3V	
		Site: PPG - Jersey City, NJ			
Start Date: 10/20/2005		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611142 Y-683116		Depth of Boring: 24.00	
End Date: 10/20/2005		Elevation: 15.00		Geologist: A. Gutierrez	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		NR: No Sleeve Collected	N/A		
2					
4			N/A		
6					
8					
		FILL: Reddish Brown (5YR 4/3) and Dark Reddish Brown (5YR 3/3) SILTY SAND, some fine to medium Sand, trace Gravel, wet. 100% COPR	0.0 ppm		
10				D3VA (10.0-10.5)	
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: D3V	
		Site: PPG - Jersey City, NJ			
Start Date: 10/20/2005		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611142 Y-683116		Depth of Boring: 24.00	
End Date: 10/20/2005		Elevation: 15.00		Geologist: A. Gutierrez	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Yellowish Brown (10YR 5/8) and Yellow SILT, trace Clay. 25% Mud Waste	0.0 ppm		
14				D3VB (14.0-14.5)	
16		NR: No Recovery	N/A		
18					
20		SILTY CLAY: Black (10YR 2/1) and Gray (GLE Y1 5/N) SILTY CLAY and PEAT, little fine Sand (native), MGP odor	N/A		
22					
24				D3V (23.5-24.0)	

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		Client: PPG		BORING ID: D3V		
		Site: PPG - Jersey City, NJ				
Start Date: 10/20/2005		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611142 Y-683116		Depth of Boring: 24.00		
End Date: 10/20/2005		Elevation: 15.00		Geologist: A. Gutierrez		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

24

NULL: End of Boring at 24 ft.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>D4</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 8/22/2003		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611141.22 Y-683250.82		Depth of Boring: 12.00		
End Date: 8/22/2003		Elevation: 14.50		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete Core: 3 pieces (cracked by non-mechanical means), 40% gravel, no rebar, no evidence of staining		D4 (0.0-0.8)	Concrete Core: TAL Metals, CR6+, VOCs, SVOCs, PCBs, Cyanide, TCLP Inorganic/Organic
		FILL: Red brown, COPR	0.0 ppm		
2		FILL: Yellow,silt, fine	0.0 ppm		
			0.0 ppm		
4		FILL: Gray, silt, yellow (stained), moderate to coarse sand	0.0 ppm		
			0.0 ppm		
6		FILL: Black, coarse sand, COPR (yellow precipitation), coke, slag	0.0 ppm		
			0.0 ppm		
8			0.0 ppm		
			0.0 ppm		
10			0.0 ppm		
			0.0 ppm		
12					

NOTES:

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		Client: PPG			BORING ID: D4	
		Site: PPG - Jersey City, NJ				
Start Date: 8/22/2003		Project: Site Investigation			Page: 2 of 2	
		Coordinates: X-611141.22 Y-683250.82			Depth of Boring: 12.00	
End Date: 8/22/2003		Elevation: 14.50			Geologist:	
		Drill Subcontractor: S&S			Driller:	
Depth (ft)	Lithology	Description			PID	Sample ID
						Sample Parameters


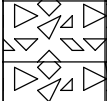









12

NULL: Refusal at 12'

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>D4A</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 9/7/2005		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611141.22 Y-683250.82		Depth of Boring: 12.00		
End Date: 9/7/2005		Elevation: 14.50		Geologist: R. Feinberg		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		FILL: Concrete			
		NR: Void			
2		FILL: Dark red-brown (5YR 2.5/2) -red (10R, 4/8) C-F SAND, little M-F Gravel, some silt (100% COPR) (0.85-0.95) Red (10R, 4/8) silt seam	0.0 ppm		
		FILL: Dark red-gray (10R, 4/1) -Gray (5YR, 6/1) cemented C-F SAND and M-F GRAVEL, little (10-15%) COPR nodules [""Ash with COPR nodules""]			
4		FILL: Dark red-brown (5YR 2.5/2) SILT, little M-F sand, little M-F gravel, 100% COPR, dark gray silt	0.0 ppm		
		FILL: Black (5YR, 2.5/1) C-F SAND, little M-f Gravel (Slag/Ash), trace silt			
		FILL: Same as above with 5% COPR			
6		FILL: Reddish-yellow (7.5YR 6/8) C-F SAND and some light gray to gray mottled Clayey Silt (1 in. zone on each end of this segment)			
		FILL: Bright green SILT and CLAY			
8		FILL: Dark greenish gray (Gley 1, 4/1) SILT, trace clay, trace black coal clasts, yellow crystals between 5.4-5.8'	0.0 ppm		
		FILL: (0.5) Black (Gley 1, 2.5/) C-F GRAVEL, trace C-F sand and (0.5) Dark greenish-gray (Gley 1, 4/1) SILT, trace clay (Transition Zone)			
10		FILL: Black C-F GRAVEL, little C-f sand (Coal Ash), green crystals throughout			
		FILL: Black (Gley 1, 2.5/) C-F GRAVEL, and C-F SAND, trace Silt (Coal Ash) (10.5-11.5') trace yellow crystals			
12					

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		Client: PPG			BORING ID: D4A		
		Site: PPG - Jersey City, NJ					
Start Date: 9/7/2005		Project: Site Investigation			Page: 2 of 2		
		Coordinates: X-611141.22 Y-683250.82			Depth of Boring: 12.00		
End Date: 9/7/2005		Elevation: 14.50			Geologist: R. Feinberg		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters
















12

NULL: End of Boring. Refusal at 12.0 ft.

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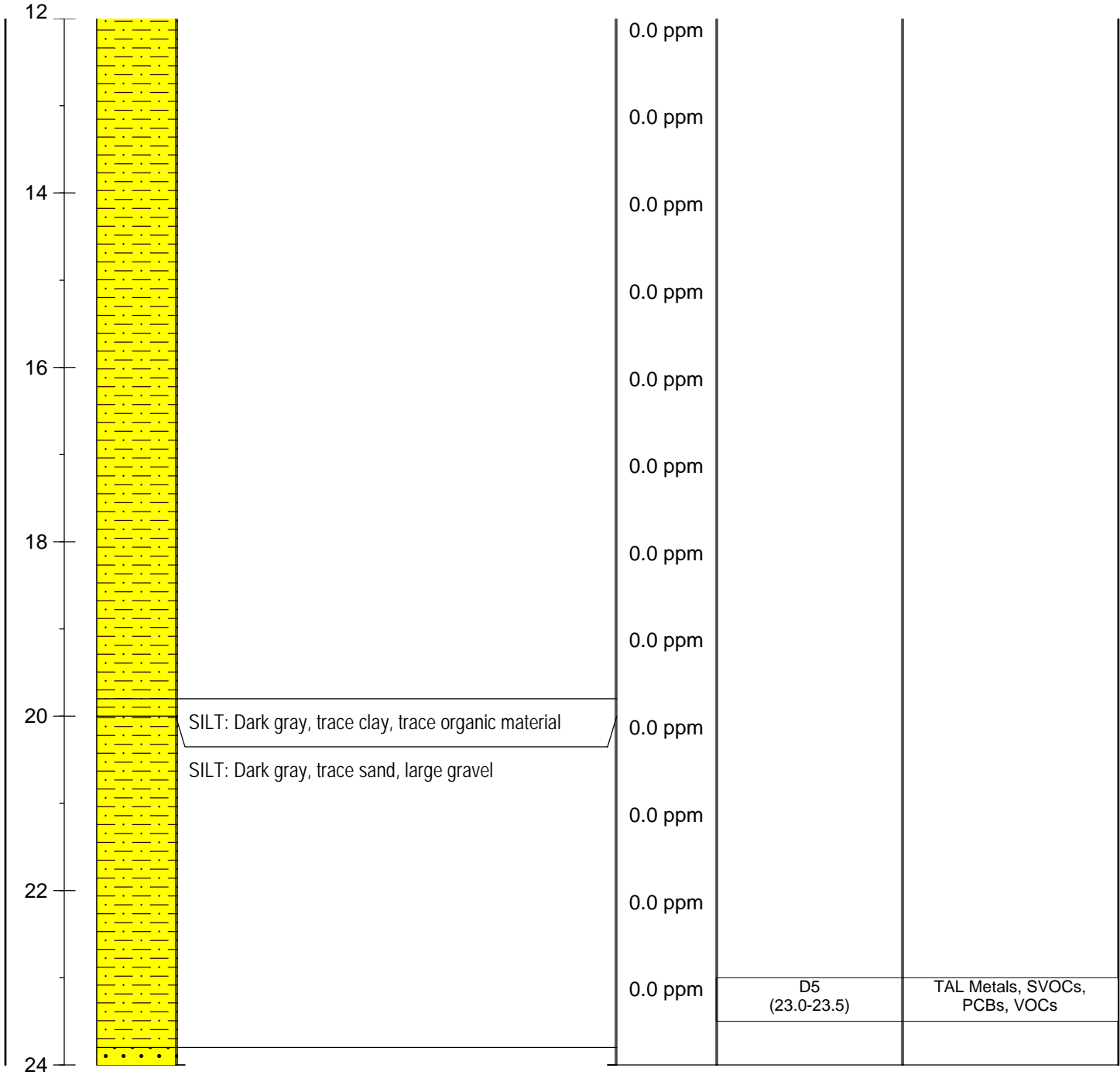
<div>ENSR AECOM</div>		Client: PPG			BORING ID: D5		
		Site: PPG - Jersey City, NJ					
Start Date: 8/20/2003		Project: Site Investigation			Page: 1 of 3		
		Coordinates: X-611136.49 Y-683391.51			Depth of Boring: 24.00		
End Date: 8/20/2003		Elevation: 14.99			Geologist:		
		Drill Subcontractor: S&S			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		CONCRETE: White (2.5YR 8/1) 25% gravel, no rebar, evidence of chrome staining on bottom half of core; chrome nodules observed in bottom of core	0.0 ppm	D5 (0.5-1.0)	TAL Metals, Cr+6
		FILL: Orange, sand			
2		FILL: Gray, clay and silt, trace of sand	0.0 ppm	D5 (2.2-3.0)	TAL Metals, Cr+6
		FILL: Dark brown (10YR 3/3), silt, some sand, COPR	0.0 ppm		
		CONCRETE: Yellow staining	0.0 ppm	D5 (3.5-4.0)	TAL Metals, SVOCs, PCBs, VOCs, Cyanide
4		FILL: Dark brown, silt, some sand, COPR	0.0 ppm		
		FILL: Orange and black, silty sand, trace of gravel, laminations of color	0.0 ppm		
		FILL: Gray silt, yellow staining, sand	0.0 ppm		
6		FILL: Gray silt, yellow staining, some sand, trace gravel	0.0 ppm		
		FILL: Black, slag, gravel, trace coarse dark gray (GLEY1 4/N) sand	0.0 ppm		
8		SILT: Gray, trace sand and small gravel	0.0 ppm		
			0.0 ppm		
10			0.0 ppm		
			0.0 ppm		
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: D5	
		Site: PPG - Jersey City, NJ			
Start Date: 8/20/2003		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611136.49 Y-683391.51		Depth of Boring: 24.00	
End Date: 8/20/2003		Elevation: 14.99		Geologist:	
		Drill Subcontractor: S&S		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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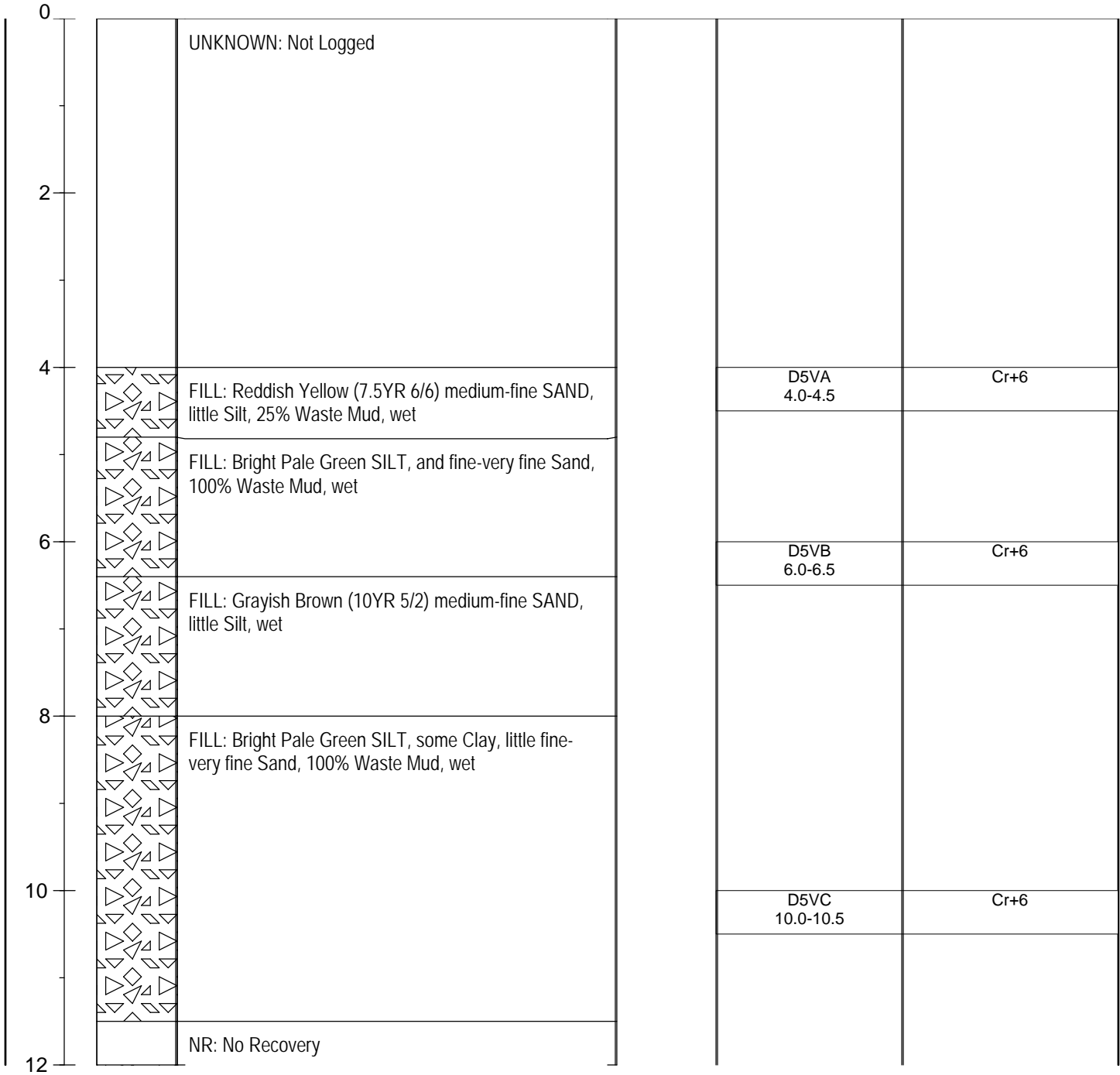
		Client: PPG			BORING ID: D5		
		Site: PPG - Jersey City, NJ					
Start Date: 8/20/2003		Project: Site Investigation			Page: 3 of 3		
		Coordinates: X-611136.49 Y-683391.51			Depth of Boring: 24.00		
End Date: 8/20/2003		Elevation: 14.99			Geologist:		
		Drill Subcontractor: S&S			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

24	SAND: Dark gray, some dark yellowish brown (10YR 3/4) mottles, silt and gravel
	NULL: End of Boring at 24 ft.

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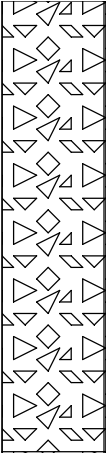
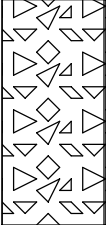
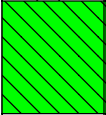
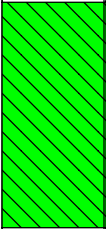
<div>ENSR AECOM</div>		Client: PPG		BORING ID: D5V	
		Site: PPG - Jersey City, NJ			
Start Date: 10/5/2005		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611142.34 Y-683396.5		Depth of Boring: 24.00	
End Date: 10/5/2005		Elevation: 15.00		Geologist: McCray, Scott	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>D5V</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/5/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611142.34 Y-683396.5		Depth of Boring: 24.00		
End Date: 10/5/2005		Elevation: 15.00		Geologist: McCray, Scott		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Same as above (SAA), possible dissolved COPR nodules last 0.5'			
14				D5VD 14.0-14.5	Cr+6
16		FILL: SAA			
18				D5VE 18.0-18.5	Cr+6
		CLAY: Very Dark Brown (10YR 2/2) organic CLAY, and Silt, some Meadow Mat, moist			
		NR: No Recovery			
20		CLAY: Very Dark Brown (10YR 2/2) organic CLAY, some Silt and Meadow Mat, 1'" Sand lense at 21.8 ft.			
				D5VF 21.5-22.0	Cr+6
22		NR: No Recovery			
24					

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		Client: PPG			BORING ID: D5V		
		Site: PPG - Jersey City, NJ					
Start Date: 10/5/2005		Project: Site Investigation			Page: 3 of 3		
		Coordinates: X-611142.34 Y-683396.5			Depth of Boring: 24.00		
End Date: 10/5/2005		Elevation: 15.00			Geologist: McCray, Scott		
		Drill Subcontractor: Ameridrill			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters


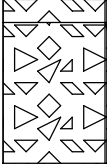
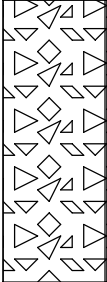
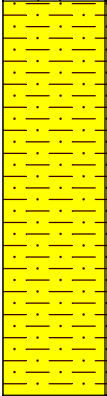
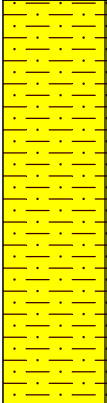
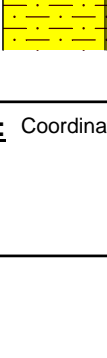
24

NULL: End of Boring at 24 ft.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>D6</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 9/3/2003		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X-611138.66 Y-683479.76		Depth of Boring: 20.00	
End Date: 9/3/2003		Elevation: 14.06		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

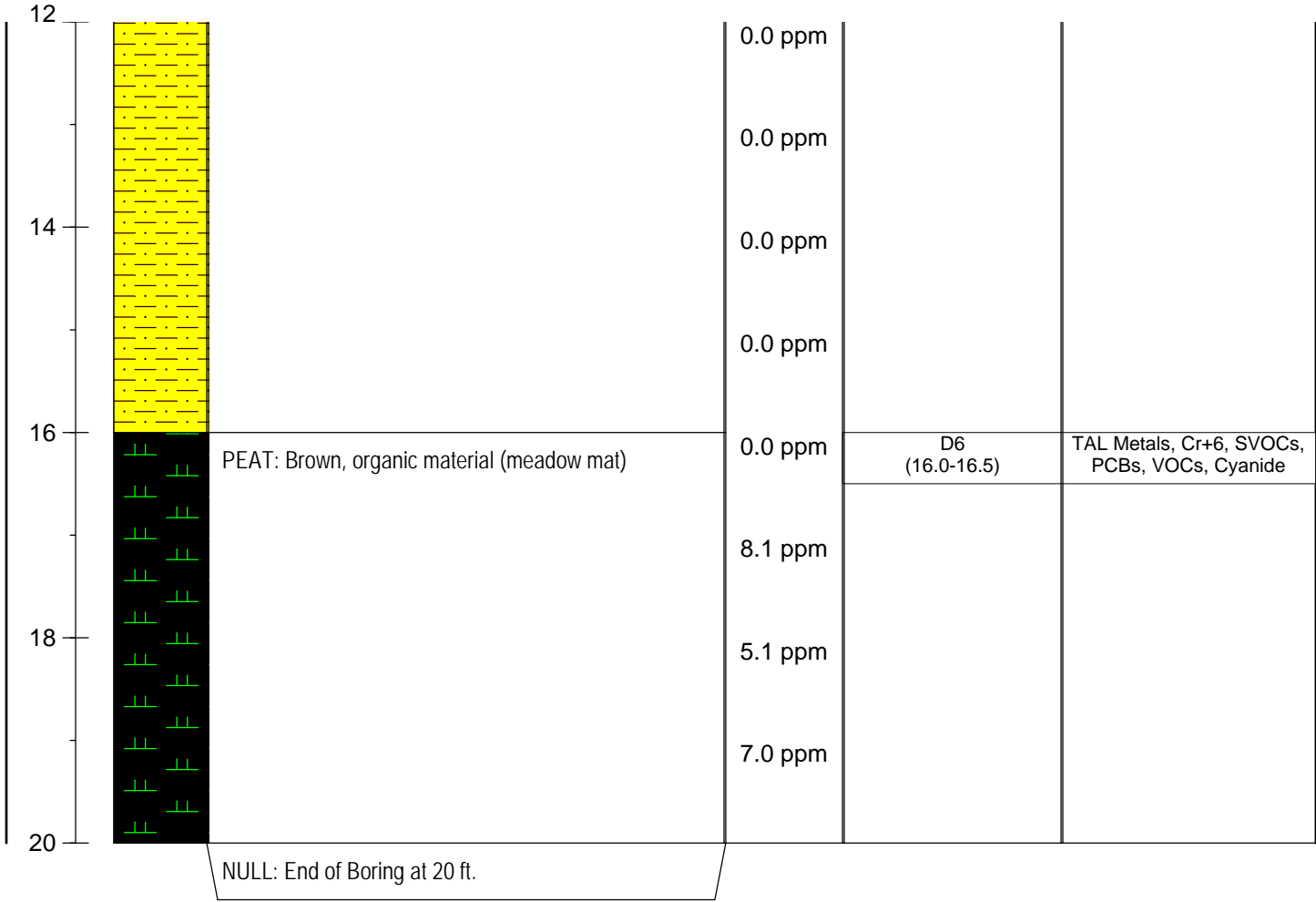
0		TOPSOIL: Organics	0.0 ppm	D6 (0.0-0.5)	TAL Metals, Cr+6
		FILL: Gray, coarse sand			
2		FILL: Yellow/orange, silt, little sand, trace ash	0.0 ppm		
		FILL: COKE/SLAG (yellow stained)	0.0 ppm		
4			0.0 ppm		
			0.0 ppm		
6		SILT: Gray, orange to yellow, some sand	0.0 ppm		
			0.0 ppm		
8		SILT: Gray, yellow stained, trace to some sand	0.0 ppm		
			0.0 ppm		
10			0.0 ppm		
			0.0 ppm		
12					

NOTES:

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>D6</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 9/3/2003		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-611138.66 Y-683479.76		Depth of Boring: 20.00	
End Date: 9/3/2003		Elevation: 14.06		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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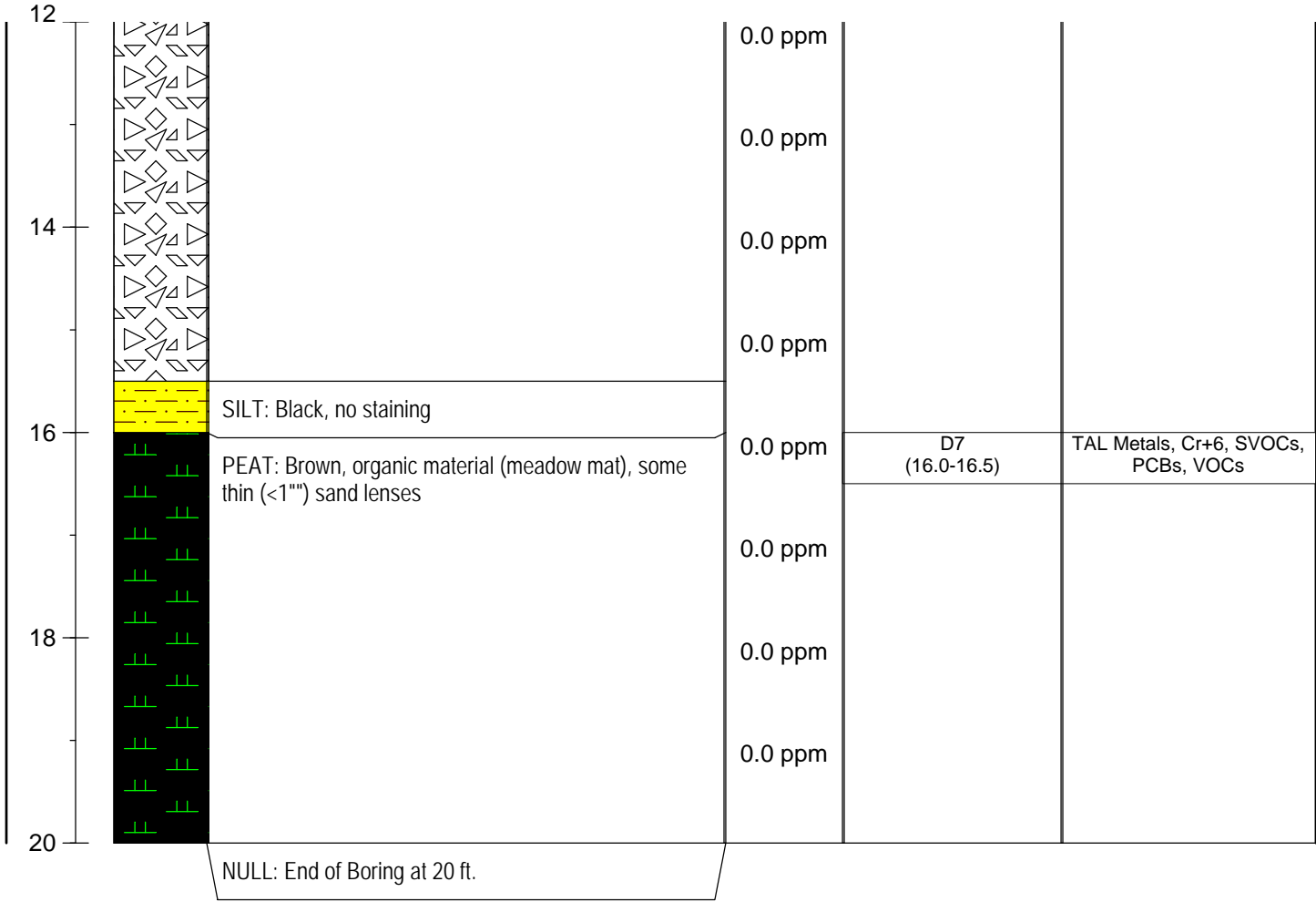
<div>ENSR AECOM</div>		Client: PPG			BORING ID: D7		
		Site: PPG - Jersey City, NJ					
Start Date: 8/21/2003		Project: Site Investigation			Page: 1 of 2		
		Coordinates: X-611136.61 Y-683609.17			Depth of Boring: 20.00		
End Date: 8/21/2003		Elevation: 17.96			Geologist:		
		Drill Subcontractor: S&S			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete core: 40% gravel, rebar in bottom, some orange/tan staining in top 1/4" of core, possible chrome nodules on bottom of core	0.0 ppm	D7 (0.0-0.5)	Concrete Core: GC/MS VOA's, GC/MS SVOA's, Pesticides, TAL Metals, Cr+6
		FILL: Yellow, fine sand		D7 (0.5-1.0)	TAL Metals, Cr+6
2		FILL: Brown SAND, COPR, some silt, some gravel	0.0 ppm		
		FILL: Orange, sand, dry, cobble, slight yellow staining on cobble		D7 (3.0-3.5)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs
4		FILL: Gray/yellow stained, silt	0.0 ppm	D7 (4.0-4.5)	Pesticides, Grain Site
			0.0 ppm	D7 (4.5-5.0)	TAL Metals, Cr+6
6		FILL: Gray/black stained, cobble	0.0 ppm		
		FILL: Black/gray coarse, sand, yellow in water, coal slag	0.0 ppm		
8			0.0 ppm		
		FILL: Dark gray, silt, some cobble, wet, yellow in water	0.0 ppm		
10		FILL: Black/gray coarse, sand, yellow in water	0.0 ppm		
		FILL: Gray, silt, yellow staining in water, spongy (possibly contains ash)	0.0 ppm		
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: D7	
		Site: PPG - Jersey City, NJ			
Start Date: 8/21/2003		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-611136.61 Y-683609.17		Depth of Boring: 20.00	
End Date: 8/21/2003		Elevation: 17.96		Geologist:	
		Drill Subcontractor: S&S		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters




NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<p>0</p> <p>CONCRETE: Concrete core: 40% gravel, rebar, possible staining in center of core at ~2" diameter</p> <p>FILL: Cobble, orange fine sand</p> <p>FILL: Cobble, silt and sand, yellow stained concrete</p> <p>FILL: Cobble, silt and sand, yellow stained concrete</p> <p>2</p> <p>4</p> <p>NULL: Refusal at 4'</p>		D8 (0.0-0.5)	Concrete Core: GC/MS VOA's, GC/MS SVOA's, Pesticides, TAL Metals, Cr+6

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		Client: PPG			BORING ID: D9		
		Site: PPG - Jersey City, NJ					
Start Date: 8/21/2003		Project: Site Investigation			Page: 1 of 1		
		Coordinates: X-611146.22 Y-683846.12			Depth of Boring: 2.50		
End Date: 8/21/2003		Elevation: 16.23			Geologist:		
		Drill Subcontractor: S&S			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

	0	ASPHALT		
		FILL: Gravel		
		FILL: Brown, silt, fine, some sand		
		ASPHALT		
		FILL: Brown, silt, fine, trace fine sand		
		FILL: COBBLE and BRICK		
	FILL: COPR, silt and fine sand, cobble (yellow staining on cobble)			
2	NULL: Refusal at 2.5'			

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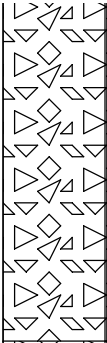
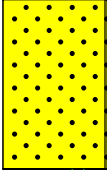
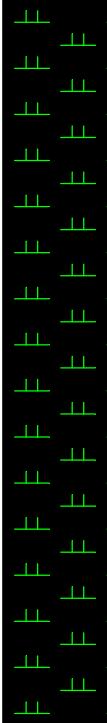
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		Site: PPG - Jersey City, NJ			
Start Date: 8/22/2003		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611266.99 Y-682898.38		Depth of Boring: 26.00	
End Date: 8/22/2003		Elevation: 14.32		Geologist:	
		Drill Subcontractor: S&S		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		GRAVEL	0.0 ppm	E1 (0.5-1.0)	TAL Metals, Cr+6
		FILL: COPR, brown, red brown, silt, cobble			
2		FILL: Red clay	0.0 ppm		
		FILL: Gray silt (yellow staining), trace sand, COPR	0.0 ppm		
4			0.0 ppm		
			0.0 ppm		
6			0.0 ppm		
			0.0 ppm		
8		FILL: Black, COKE/SLAG, ash, possible chrome nodules	0.0 ppm		
			0.0 ppm		
10		FILL: Black, COKE/SLAG, ash, possible chrome nodules	0.0 ppm		
		FILL: Yellow silt (stained), COPR, ash, trace sand	0.0 ppm		
12					

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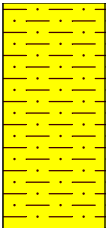
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		Site: PPG - Jersey City, NJ					
Start Date: 8/22/2003		Project: Site Investigation			Page: 2 of 3		
		Coordinates: X-611266.99 Y-682898.38			Depth of Boring: 26.00		
End Date: 8/22/2003		Elevation: 14.32			Geologist:		
		Drill Subcontractor: S&S			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

12		FILL: Yellow silt (stained), COPR, ash, trace sand, trace organic matter	0.0 ppm	E1 (17.0-17.5)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
			0.0 ppm		
14			0.0 ppm		
			0.0 ppm		
16		SAND: Red brown, some silt	0.0 ppm	E1 (19.5-20.0)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
			12 ppm		
18		PEAT: Brown, organic material (meadow mat)	130 ppm		
			48 ppm		
20			30 ppm		
			0.0 ppm		
22			0.0 ppm		
			0.0 ppm		
24					

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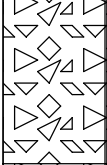

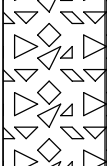
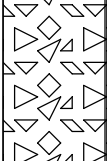
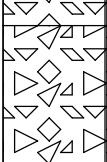
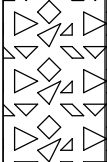

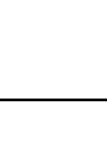

<div>ENSR AECOM</div>		Client: PPG		BORING ID: E1		
		Site: PPG - Jersey City, NJ				
Start Date: 8/22/2003		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611266.99 Y-682898.38		Depth of Boring: 26.00		
End Date: 8/22/2003		Elevation: 14.32		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

24		SILT: Gray, fine	0.0 ppm		
			0.0 ppm		
			NULL: End of Boring at 26 ft.		
26					

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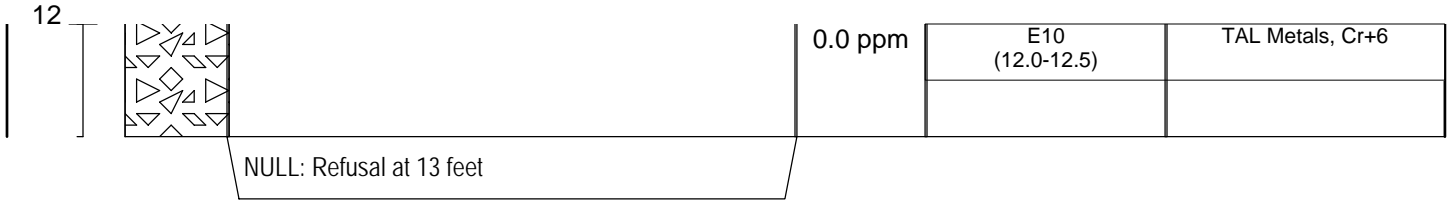
<div>ENSR AECOM</div>		Client: PPG			BORING ID: E10		
		Site: PPG - Jersey City, NJ					
Start Date: 8/21/2003		Project: Site Investigation			Page: 1 of 2		
		Coordinates: X-611254.58 Y-683918.62			Depth of Boring: 13.00		
End Date: 8/21/2003		Elevation: 22.85			Geologist:		
		Drill Subcontractor: S&S			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		ASPHALT			
		FILL: Trap rock, gravel			
		FILL: Dark brown, fine silt, brick fragments, possible COPR	0.0 ppm		
2		CEMENT: Slight yellow staining	0.0 ppm	E10 (2.0-2.5)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
		FILL: Black, COKE/SLAG, little coarse sand and silt	0.0 ppm		
4		FILL: Orange, silt, cobble, trap rock, trace coal	0.0 ppm		
		FILL: Black, COKE/SLAG, some COPR (red brown)	0.0 ppm		
6			0.0 ppm		
			0.0 ppm		
8			0.0 ppm		
		FILL: Brown, silt, cobble (yellow and green stained), brick	0.0 ppm		
10			0.0 ppm		
			0.0 ppm		
12			0.0 ppm		

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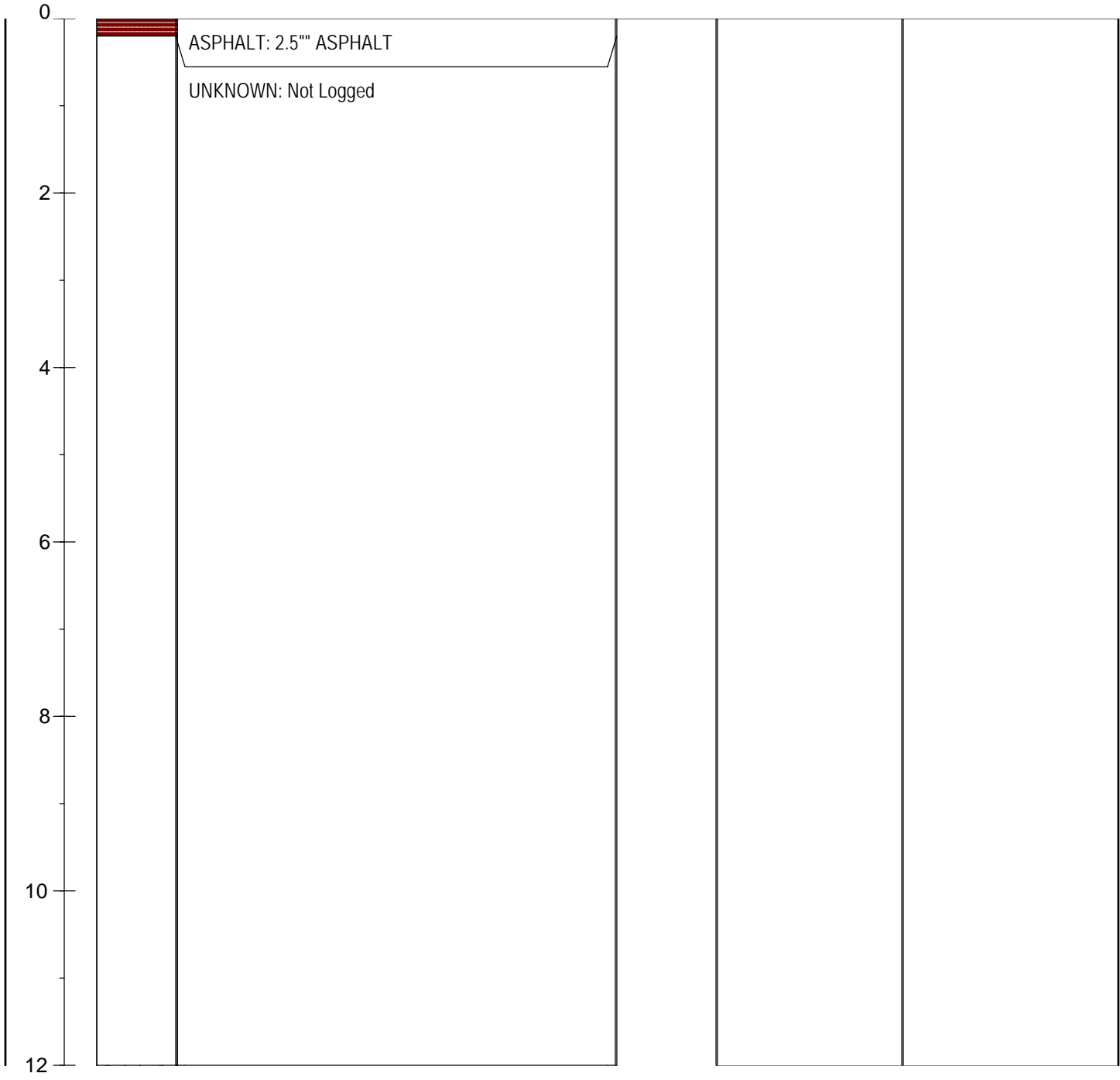
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	Site: PPG - Jersey City, NJ				
Start Date: 8/21/2003	Project: Site Investigation		Page: 2 of 2		
	Coordinates: X-611254.58 Y-683918.62		Depth of Boring: 13.00		
End Date: 8/21/2003	Elevation: 22.85		Geologist:		
	Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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ENSR AECOM	Client: PPG		BORING ID: E10V		
	Site: PPG - Jersey City, NJ				
Start Date: 10/7/2005	Project: Site Investigation		Page: 1 of 3		
	Coordinates: X-611250.52 Y-683918.47		Depth of Boring: 24.00		
End Date: 10/7/2005	Elevation: 14.00		Geologist: McCray, Scott		
	Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG		BORING ID: E10V		
		Site: PPG - Jersey City, NJ				
Start Date: 10/7/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611250.52 Y-683918.47		Depth of Boring: 24.00		
End Date: 10/7/2005		Elevation: 14.00		Geologist: McCray, Scott		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Dark Reddish Brown (5YR 2.5/2) CLAY, some Silt, damp	0.0 ppm	E10VA 12.0-12.5	Cr+6
		FILL: SLAG, some Silt, little medium-fine Sand, saturated with green water, 50% Waste Mud			
14		NR: No Recovery			
		FILL: GRAVEL, some medium-fine Sand, saturated with green water	98.8 ppm		
16		SILT: Dark Reddish Brown (5YR 2.5/2) SILT, little medium-fine Sand and Clay, moist		E10VB 17.0-17.5	Cr+6
18		SILT: Black (2.5YR 2.5/0) organic SILT, and Clay, some Meadow Mat		E10VC 18.5-19.0	Cr+6
20		NR: No Recovery	54.8 ppm		
		CLAY: Black (2.5YR 2.5/0) organic CLAY, some Silt, little Meadow Mat			
22		SAND: Light Brownish Gray (2.5Y 6/2) medium-fine SAND, some Silt, little Clay, trace Gravel, firm, moist		E10VD 21.0-21.5	Cr+6
		NR: No Recovery			
24					

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		Client: PPG		BORING ID: E10V	
		Site: PPG - Jersey City, NJ			
Start Date: 10/7/2005		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611250.52 Y-683918.47		Depth of Boring: 24.00	
End Date: 10/7/2005		Elevation: 14.00		Geologist: McCray, Scott	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



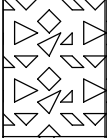
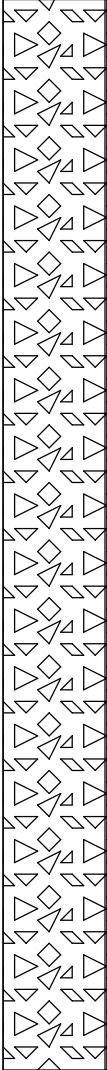
24

NULL: End of Boring at 24 ft.

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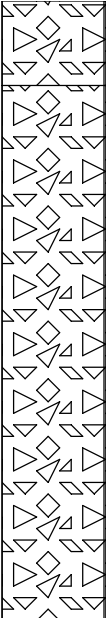
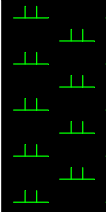
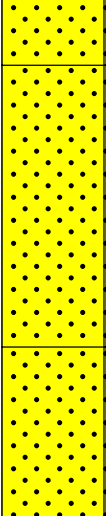
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		Site: PPG - Jersey City, NJ			
Start Date: 8/25/2003		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611256.66 Y-683001.92		Depth of Boring: 29.00	
End Date: 8/25/2003		Elevation: 14.29		Geologist:	
		Drill Subcontractor: S&S		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		ASPHALT			
		FILL: Red brown COPR	0.4 ppm	E2 (0.6-1.2)	TAL Metals, Cr+6
		FILL: Gray silt, (yellow stained), trace sand, ash	0.5 ppm	E2 (1.5-2.0)	TAL Metals, Cr+6
2		FILL: Black COKE/SLAG, coal	0.4 ppm		
4			0.0 ppm		
			0.1 ppm		
6			1.0 ppm		
			1.0 ppm		
8			45 ppm		
			1.5 ppm		
10			3.9 ppm		
			8 ppm		
12					

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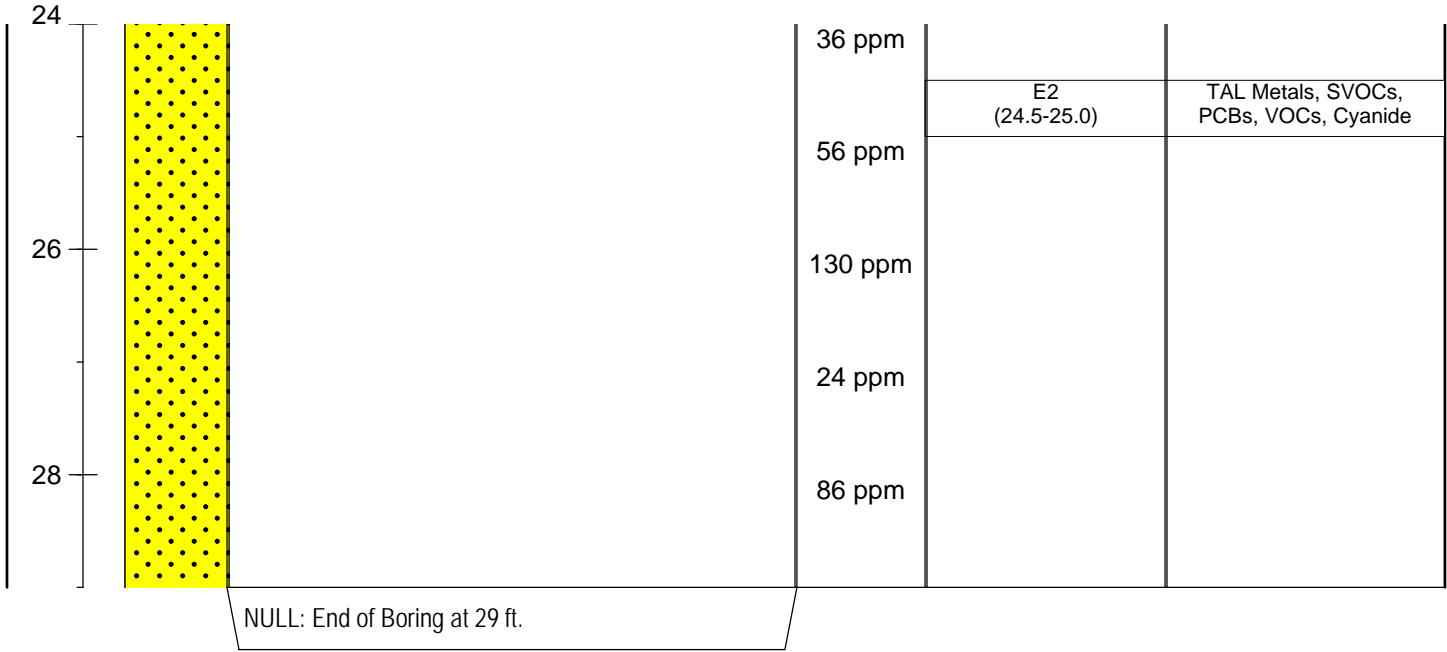
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		Site: PPG - Jersey City, NJ				
Start Date: 8/25/2003		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611256.66 Y-683001.92		Depth of Boring: 29.00		
End Date: 8/25/2003		Elevation: 14.29		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Black COKE/SLAG, coal, trace sand	7.7 ppm		
		FILL: Black COKE/SLAG, coal	4.1 ppm		
14			6.1 ppm		
			34 ppm		
16			31 ppm		
		PEAT: Brown, organic material (meadow mat)	23 ppm		
18			34 ppm	E2 (18.0-18.5)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
			41 ppm		
		SAND: Gray, trace silt, cobble		E2 (19.5-20.0)	TAL Metals, Cr+6
20		SAND: Gray, medium to coarse, organic material	34.9 ppm		
			77 ppm		
22			108 ppm		
		SAND: Red brown, organic material	203 ppm		
24					

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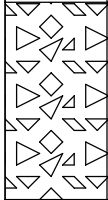
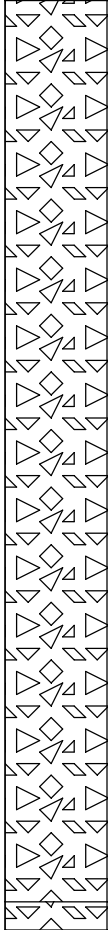
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		Site: PPG - Jersey City, NJ			
Start Date: 8/25/2003		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611256.66 Y-683001.92		Depth of Boring: 29.00	
End Date: 8/25/2003		Elevation: 14.29		Geologist:	
		Drill Subcontractor: S&S		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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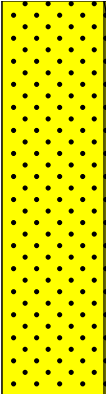
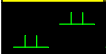
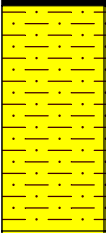
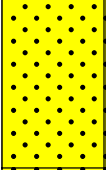
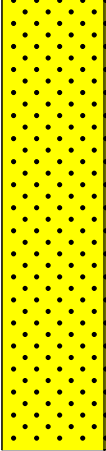
<div>ENSR AECOM</div>		Client: PPG		BORING ID: E3	
		Site: PPG - Jersey City, NJ			
Start Date: 8/26/2003		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611259.82 Y-683129.73		Depth of Boring: 23.50	
End Date: 8/26/2003		Elevation: 14.31		Geologist:	
		Drill Subcontractor: S&S		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete core: 30% gravel, thick rebar present, no evidence of staining		E3 (0.0-0.25)	Concrete Core: TAL Metals, CR6+, VOCs, SVOCs, PCBs, Cyanide, TCPL Inorganic/Organic	
		NULL: Void	0.0 ppm			
2		FILL: Brown COPR	0.0 ppm	E3 (2.0-2.5)	TAL Metals, Cr+6, Pesticides	
			0.0 ppm	E3 (2.5-3.0)	TAL Metals, Cr+6	
4		FILL: Gray silt (yellow stained), some sand	0.0 ppm			
			0.0 ppm			
6			0.0 ppm			
			0.0 ppm			
8			0.0 ppm			
			0.0 ppm			
10			0.0 ppm			
			0.0 ppm			
12						

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>E3</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 8/26/2003		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611259.82 Y-683129.73		Depth of Boring: 23.50		
End Date: 8/26/2003		Elevation: 14.31		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Brown, Silt and COPR, some organic matter, coarse sand	6.0 ppm		
		SAND: Gray/brown, trace silt (yellow staining)	40 ppm		
14			60 ppm		
			4.0 ppm		
16		PEAT: Black, organic material (meadow mat)		E3 (15.5-16.0)	TAL Metals, SVOCs, PCBs, VOCs, Cyanide, Pesticides
		SILT: Dark gray, fine, trace organic material	6.0 ppm		
			8.0 ppm		
18		SAND: Gray/brown mottling, coarse, some silt	81 ppm	E3 (18.0-18.5)	TAL Metals, SVOCs, PCBs, VOCs, Cyanide, Pesticides
			26 ppm	E3 (19.0-19.5)	TAL Metals, Cr+6
20		SAND: Brown/red brown, some silt	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
22					
		NULL: Refusal at 23.5 feet			

NOTES:

Coordinates are provided in New Jersey State Plane NAD 1983 Feet.








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<div>ENSR AECOM</div>		Client: PPG		BORING ID: E3		
		Site: PPG - Jersey City, NJ				
Start Date: 8/26/2003		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611259.82 Y-683129.73		Depth of Boring: 23.50		
End Date: 8/26/2003		Elevation: 14.31		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

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<div>ENSR AECOM</div>		Client: PPG			BORING ID: E4		
		Site: PPG - Jersey City, NJ					
Start Date: 8/27/2003		Project: Site Investigation			Page: 1 of 3		
		Coordinates: X-611252.49 Y-683253.05			Depth of Boring: 24.00		
End Date: 8/27/2003		Elevation: 14.37			Geologist:		
		Drill Subcontractor: S&S			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete core: 35% gravel, no evidence of staining	0.0 ppm	E4 (0.0-0.5)	Concrete Core: TAL Metals, CR6+, VOCs, SVOCs, PCBs, Cyanide, TCLP Inorganic/Organic
		FILL: Red brown COPR		E4 (0.5-1.0)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide, Pesticides
2		FILL: Red brown COPR	0.0 ppm		
			0.0 ppm		
4		FILL: Red brown COPR, some silty fine sand	0.0 ppm	E4 (4.0-4.5)	TAL Metals, Cr+6
			0.0 ppm		
6		FILL: Black (yellow staining) coke, slag, coal, coarse sand, trace organic material	0.0 ppm		
			0.0 ppm		
8		FILL: Black (yellow staining) coke, slag, coal, coarse sand, trace organic material	0.0 ppm		
			0.0 ppm		
10		FILL: Black (yellow staining) coke, slag, coal, coarse sand, trace organic material	0.0 ppm		
			0.0 ppm		
12		FILL: Black (yellow staining) coke, slag, coal, coarse sand, trace organic material	0.0 ppm		
			0.0 ppm		

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>E4</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 8/27/2003		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611252.49 Y-683253.05		Depth of Boring: 24.00	
End Date: 8/27/2003		Elevation: 14.37		Geologist:	
		Drill Subcontractor: S&S		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Black (yellow staining), coke, slag, coal, coarse sand, organic material	0.0 ppm		
			51 ppm	E4 (13.0-13.5)	TAL Metals, Cr+6
14		PEAT: Brown, organic material (meadow mat)	70 ppm	E4 (14.0-14.5)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
			46 ppm		
16		SILT: Brown, fine, trace organic material	81 ppm	E4 (15.5-16.0)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
			86 ppm		
18		SAND: Red brown, medium to coarse, gravel	49 ppm		
			26 ppm		
20		SAND: Red brown, medium to coarse, gravel	64 ppm		
			46 ppm		
22		SAND: Red brown, medium to coarse, gravel	2.3 ppm		
			0.0 ppm		
24		SAND: Red brown, medium to coarse, gravel			

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		Client: PPG		BORING ID: E4	
		Site: PPG - Jersey City, NJ			
Start Date: 8/27/2003		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611252.49 Y-683253.05		Depth of Boring: 24.00	
End Date: 8/27/2003		Elevation: 14.37		Geologist:	
		Drill Subcontractor: S&S		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

24

NULL: End of Boring at 24 ft.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: E5	
		Site: PPG - Jersey City, NJ			
Start Date: 8/29/2003		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X-611260.06 Y-683366.75		Depth of Boring: 20.00	
End Date: 8/29/2003		Elevation: 13.38		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

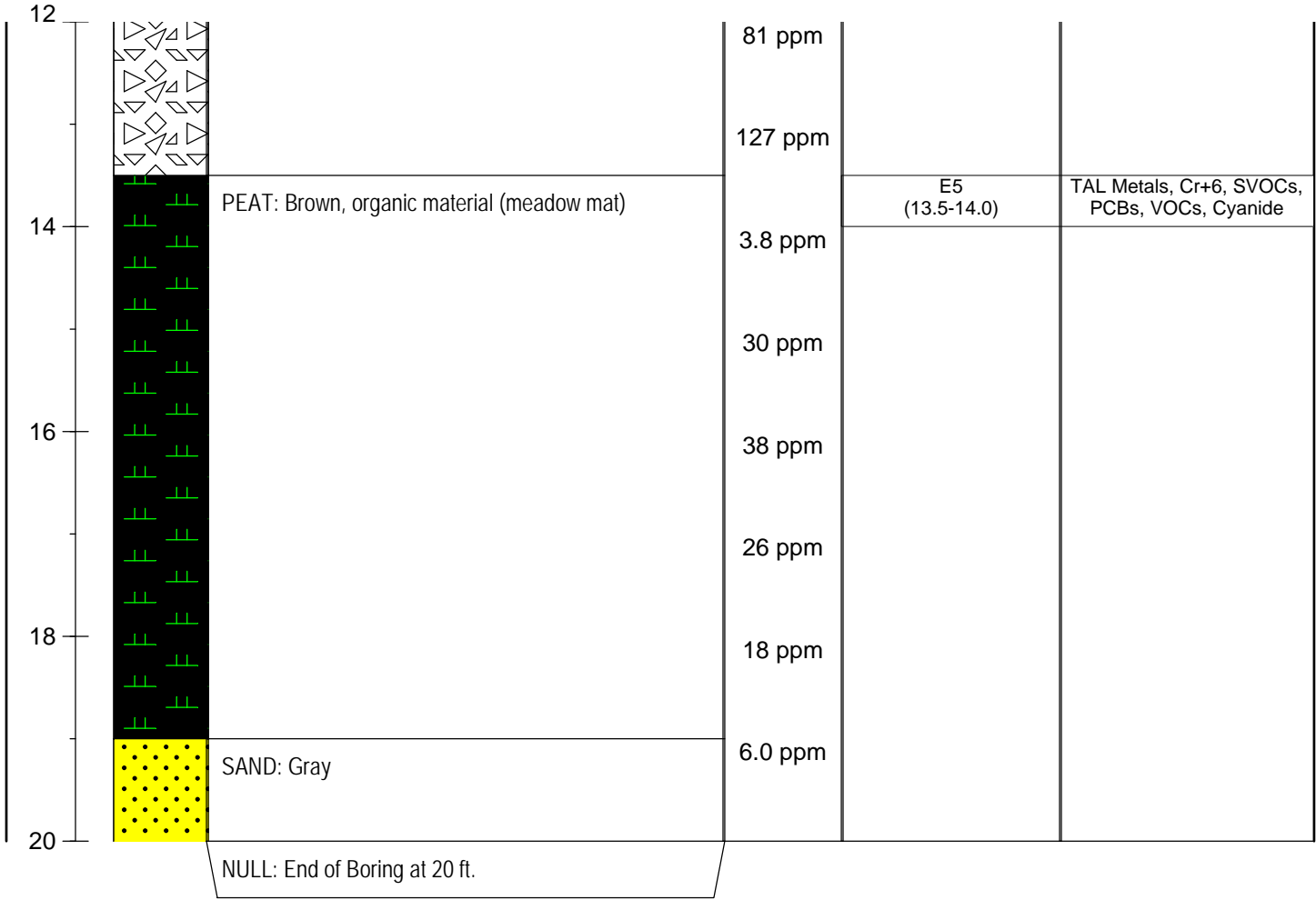
<div> <div>0</div> <div>2</div> <div>4</div> <div>6</div> <div>8</div> <div>10</div> <div>12</div> </div>		FILL	0.0 ppm	E5 (0.5-1.0)	TAL Metals, Cr+6
		FILL: Red brown COPR, wood, cobble, coal, coke			
		FILL: Red Brown COPR, wood, cobble, coal, coke			
			0.0 ppm		
			0.0 ppm		
			0.0 ppm	E5 (3.5-4.0)	TAL Metals, Cr+6
			0.0 ppm		
			0.0 ppm		
			0.5 ppm		
			0.2 ppm		
		FILL: Rred brown COPR, wood, cobble, coal, coke, blue silt	41 ppm		
		FILL: Gray, fine silt	75 ppm		
		FILL: Black coal, stained organic material, coke	81 ppm	E5 (9.5-10.0)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
			62 ppm		

NOTES:

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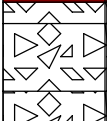








<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: E5		
		Site: PPG - Jersey City, NJ			
Start Date: 8/29/2003	Project: Site Investigation		Page: 2 of 2		
	Coordinates: X-611260.06 Y-683366.75		Depth of Boring: 20.00		
End Date: 8/29/2003	Elevation: 13.38		Geologist:		
	Drill Subcontractor: Terra Probe		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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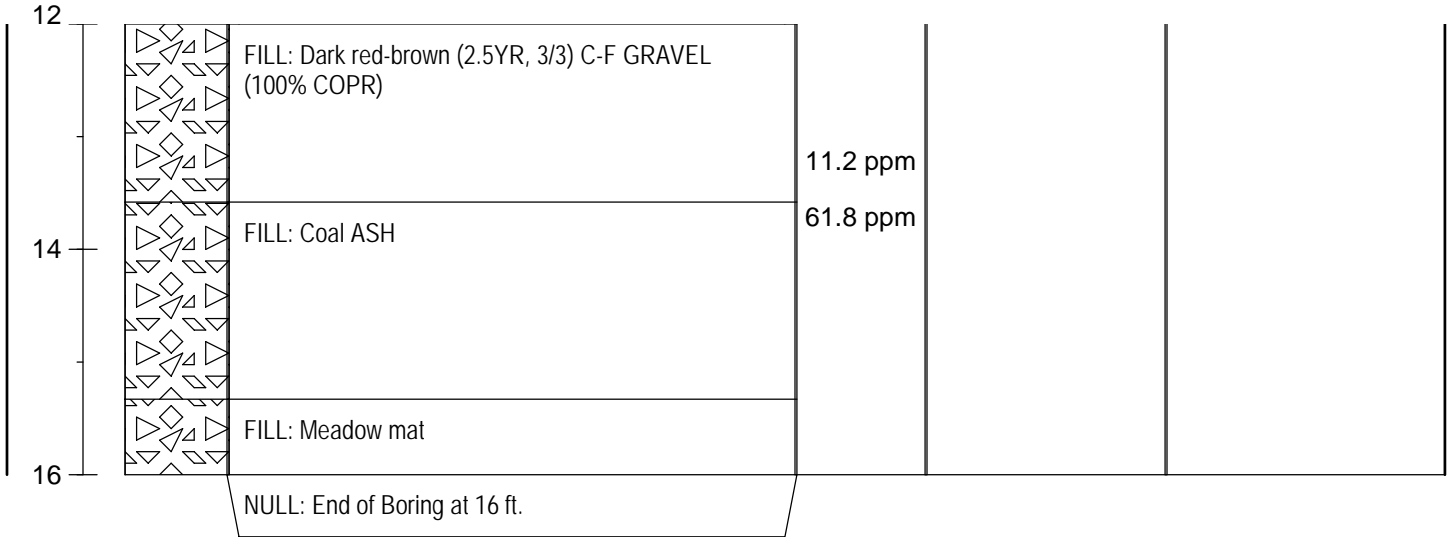
<div>ENSR AECOM</div>		Client: PPG		BORING ID: E5A		
		Site: PPG - Jersey City, NJ				
Start Date: 9/6/2005		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611260.06 Y-683366.75		Depth of Boring: 16.00		
End Date: 9/6/2005		Elevation: 13.38		Geologist: R. Feinberg		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		ASPHALT: Asphalt			
		FILL: Dark gray (10YR 4/1) C-F SAND, trace fine gravel	0.0 ppm		
		FILL: Very dark brown SILT, trace C-F sand, trace M-F gravel (COPR nodules), 100% COPR			
2		FILL: Dark red-brown (5YR 3/2), very dusky red (2.5YR 2.5/2), with dark gray to very dark gray (Gley 1 4/, 3/) dissolved nodules, CLAYEY SILT and SILT (1.75'-1.83') Bright yellow seam SILT, trace fine sand			
		FILL: Very dark gray-green mottles (Gley 1, 2.5/2)	0.0 ppm		
4		FILL: Dark red-brown C-F SAND and SILT, some F-gravel, 100% COPR			
		FILL: Very dark greenish-gray (Gley 1, 3/2) C-F SAND, little F-gravel, COPR nodules			
6		NR: No Recovery			
		FILL: Dark red-brown (2.5YR, 3/3) M-F GRAVEL, trace C-F sand, trace silt, 100% COPR (8.33-8.66') Very dark mixed greenish-gray (Gley 1, 3/2) F-SAND			
8		FILL: Black (5YR, 2.5/1; 54, 2.5/1) CLAYEY SILT			
		FILL: Black (5YR, 2.5/1) C-F GRAVEL, trace C-F sand, trace silt	8.3 ppm		
10		NR: No Recovery			
12					

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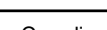
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		Site: PPG - Jersey City, NJ			
Start Date: 9/6/2005	Project: Site Investigation		Page: 2 of 2		
	Coordinates: X-611260.06 Y-683366.75		Depth of Boring: 16.00		
End Date: 9/6/2005	Elevation: 13.38		Geologist: R. Feinberg		
	Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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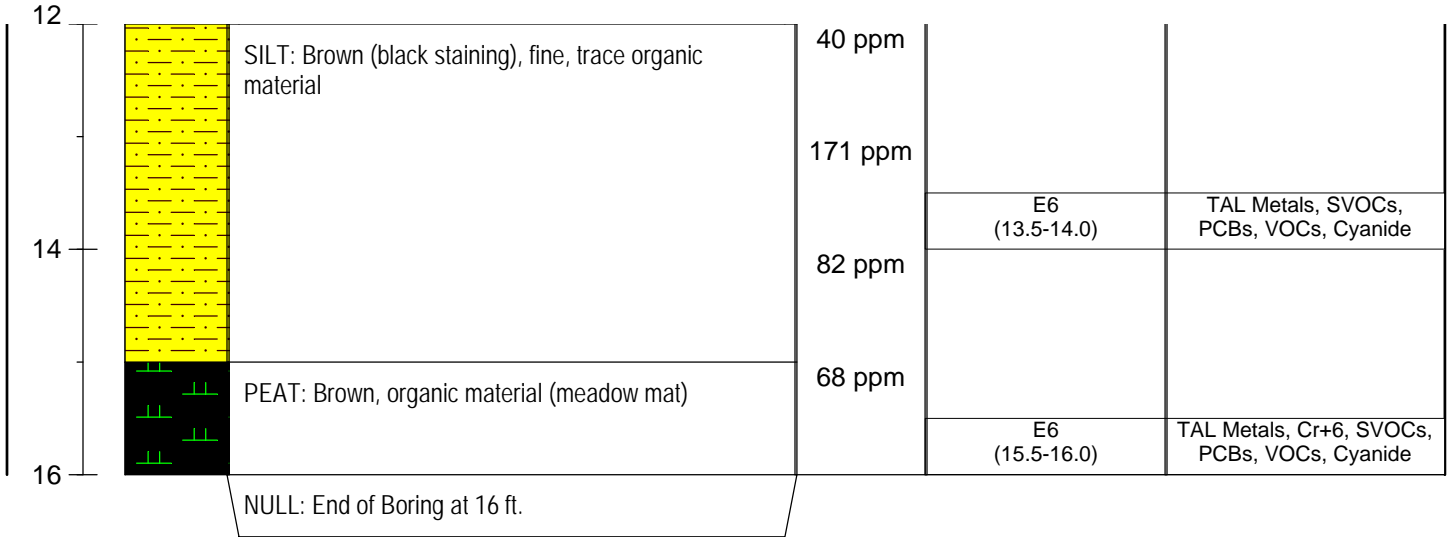
<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>E6</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 8/29/2003		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X-611257.19 Y-683498.84		Depth of Boring: 16.00	
End Date: 8/29/2003		Elevation: 16.04		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		ASPHALT	0.0 ppm	E6 (0.5-1.0)	TAL Metals, Cr+6
		FILL: Orange fine sand			
		FILL: Yellow stained cobble, some sandy silt	0.0 ppm	E6 (1.5-2.0)	TAL Metals, Cr+6
		FILL: Brick			
2		FILL: Dark brown, coarse sand, cobble	0.0 ppm		
		FILL: Brick	0.0 ppm		
			0.0 ppm		
4			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
6			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
8		FILL: Brick, cobble	0.0 ppm		
		SILT: Gray, slight yellow stained, some coarse sand, trace fine sand	7.5 ppm		
			0.0 ppm		
10			12 ppm		
					
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: E6	
		Site: PPG - Jersey City, NJ			
Start Date: 8/29/2003		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-611257.19 Y-683498.84		Depth of Boring: 16.00	
End Date: 8/29/2003		Elevation: 16.04		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>E6V</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/6/2005		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611256.43 Y-683494.5		Depth of Boring: 16.00		
End Date: 10/6/2005		Elevation: 17.00		Geologist: McCray, Scott		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

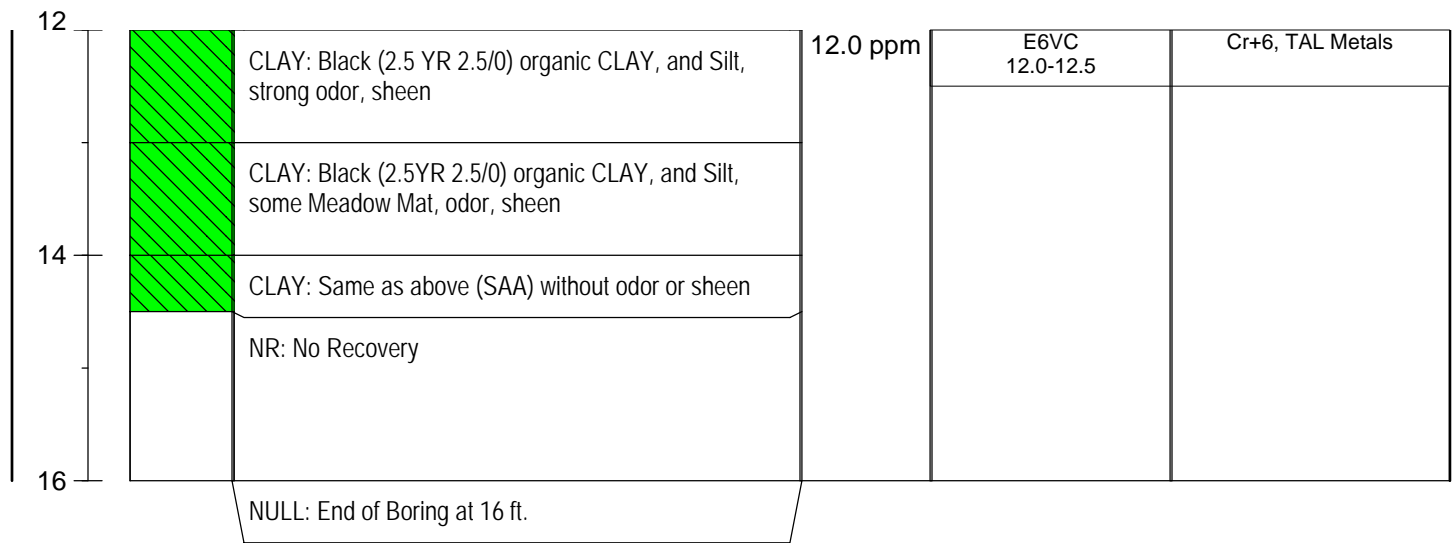
0		UNKNOWN: Not Logged			
2					
4		FILL: Dark Brown (7.5R 3/4) medium-fine SAND, and Gravel, slight odor, saturated, 50% COPR	1.6 ppm	E6VA 4.0-4.5	Cr+6
6		NR: No Recovery			
8		FILL: SLAG, strong odor, weak sheen, saturated	6.8 ppm	E6VB 8.0-8.5	Cr+6, TAL Metals
10		NR: No Recovery			
12					

NOTES:

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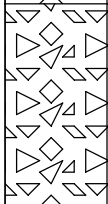
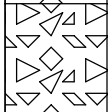

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		Client: PPG		BORING ID: E6V	
		Site: PPG - Jersey City, NJ			
Start Date: 10/6/2005		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-611256.43 Y-683494.5		Depth of Boring: 16.00	
End Date: 10/6/2005		Elevation: 17.00		Geologist: McCray, Scott	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



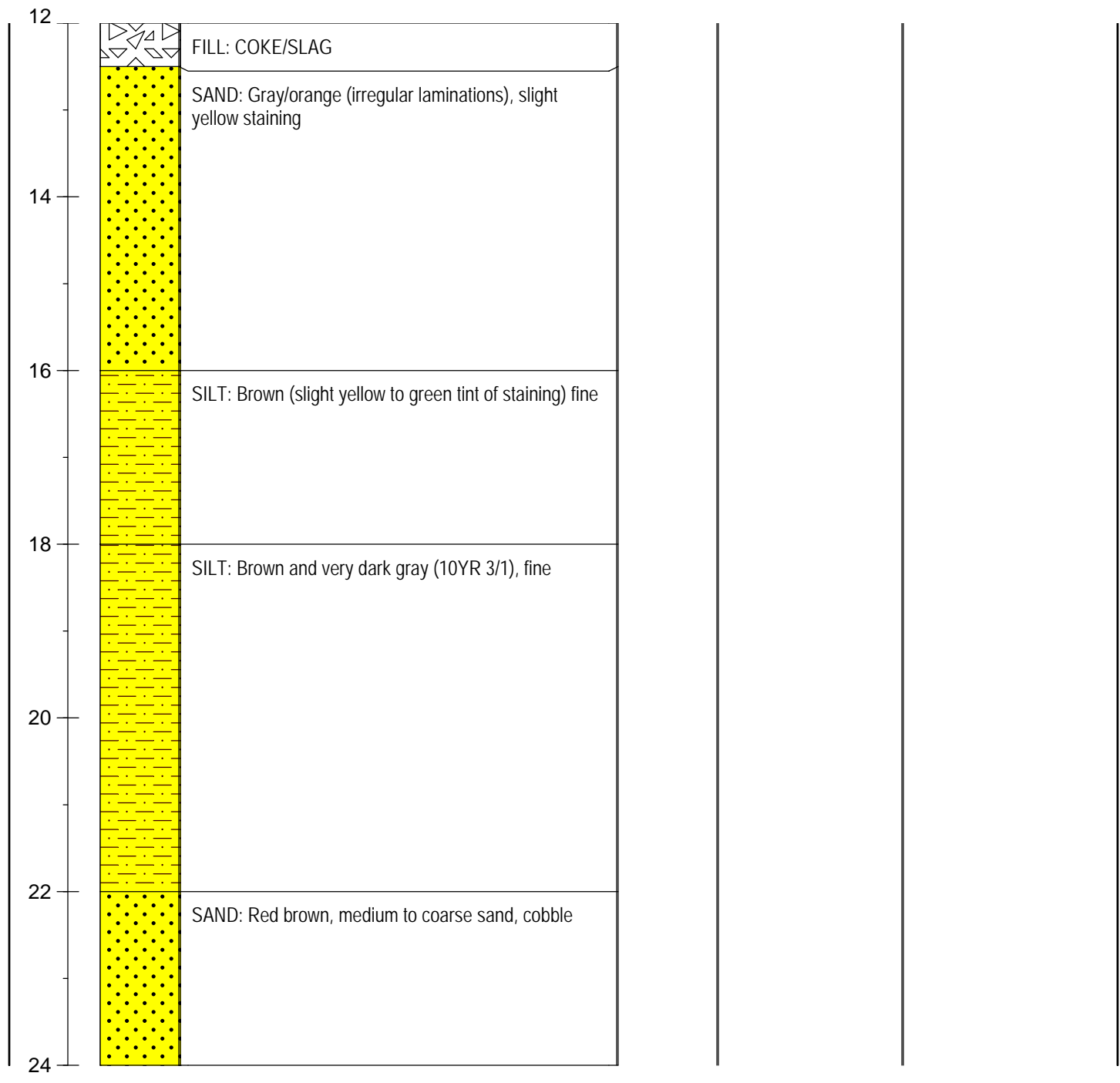
NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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0	 <p>CONCRETE: Concrete core: 35% gravel, rebar present, very slight chrome staining on bottom end</p>		E7 (0.0-0.5)	Concrete Core: GC/MS VOA's, GC/MS SVOA's, Pesticides, PCBs, TAL Metals, Cr+6
	 <p>FILL: Yellow, fine sand</p>		E7 (0.5-1.0)	TAL Metals, Cr+6
2	 <p>FILL: Black/brown, cobble, coarse sand, brick, silt</p>			
	 <p>FILL: Gray, silt (yellow stained), some sand</p>		E7 (2.0-2.5)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
4	 <p>FILL: Gray sand, some silt</p>			
6	 <p>FILL: Gray, fine sand, (yellow stained), some silt</p>			
8				
10				
12				

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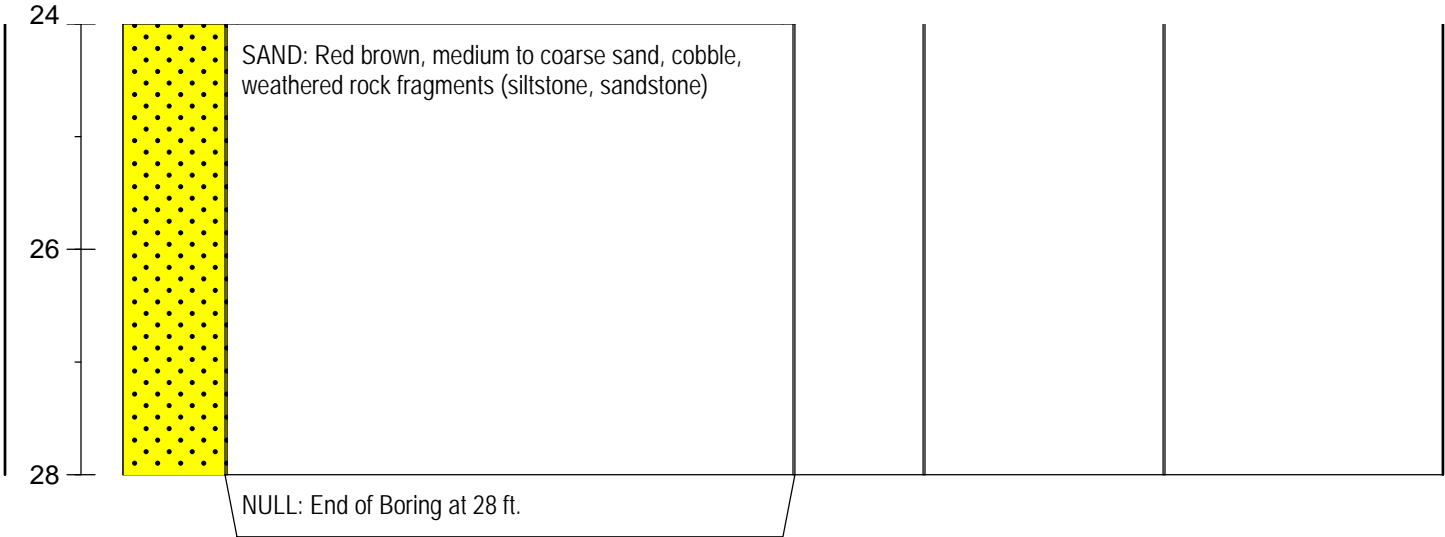
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		Site: PPG - Jersey City, NJ			
Start Date: 9/3/2003		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611254.11 Y-683638.15		Depth of Boring: 28.00	
End Date: 9/3/2003		Elevation: 15.62		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG		BORING ID: E7	
		Site: PPG - Jersey City, NJ			
Start Date: 9/3/2003		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611254.11 Y-683638.15		Depth of Boring: 28.00	
End Date: 9/3/2003		Elevation: 15.62		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG		BORING ID: E8	
		Site: PPG - Jersey City, NJ			
Start Date: 8/27/2003		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X-611259.24 Y-683721.29		Depth of Boring: 22.50	
End Date: 8/27/2003		Elevation: 17.51		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

<div> <div>0</div> <div>2</div> <div>4</div> <div>6</div> <div>8</div> <div>10</div> <div>12</div> </div>		CONCRETE: Concrete core: 50% gravel, no rebar, no evidence of staining	0.0 ppm	E8 (0.0-0.5)	Concrete Core: GC/MS VOAs, FC/MS SVOAs, Pesticides, PCBs, TAL Metals, Cr+6
		FILL: Orange, fine sand		E8 (0.5-1.0)	TAL Metals, Cr+6
		FILL: Red brown COPR			
			0.0 ppm	E8 (2.0-2.5)	TAL Metals, Cr+6
			0.0 ppm		
			0.0 ppm		
		FILL: Orange, moderate to fine sand, trace COPR	0.0 ppm		
			0.0 ppm		
		FILL: Gray, coarse sand, slag, coke, COPR, cobble	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
		FILL: Gray sand and silt, yellow staining, moderate to coarse, trace gravel	0.0 ppm		
			2.8 ppm		
			1.4 ppm		

NOTES:

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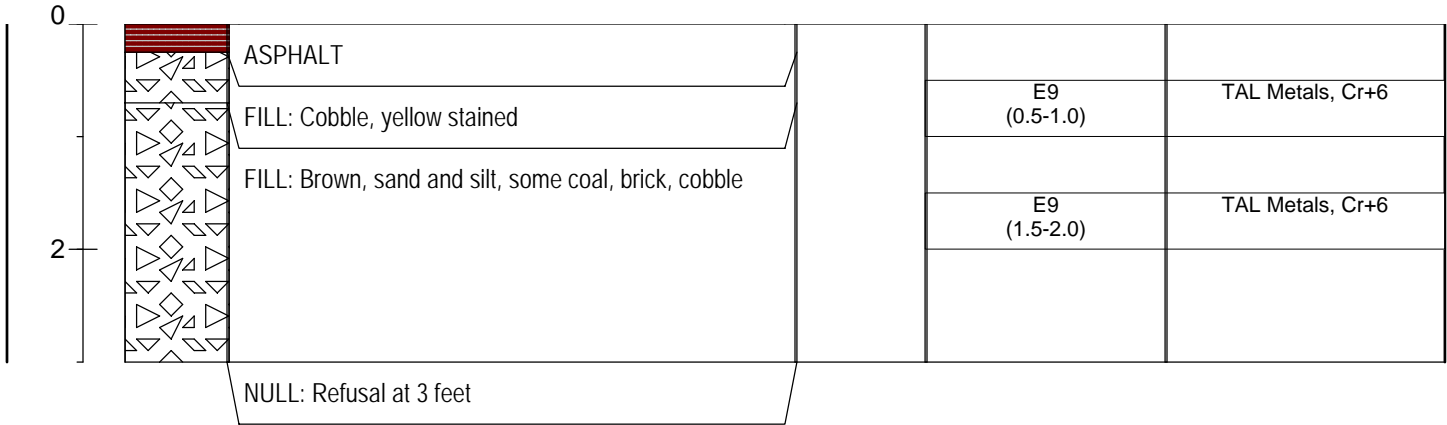
<div>ENSR AECOM</div>		Client: PPG			BORING ID: E8		
		Site: PPG - Jersey City, NJ					
Start Date: 8/27/2003		Project: Site Investigation			Page: 2 of 2		
		Coordinates: X-611259.24 Y-683721.29			Depth of Boring: 22.50		
End Date: 8/27/2003		Elevation: 17.51			Geologist:		
		Drill Subcontractor: Terra Probe			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

12		FILL: Brown/gray sand, yellow staining, coarse, gravel, some slag, coke	19.1 ppm		
			18.1 ppm		
			4.4 ppm	E8 (13.5-14.0)	TAL Metals, SVOCs, PCBs, VOCs, Cyanide
14		SILT: Brown, fine, tight, trace sand (green staining observed)	12.4 ppm	E8 (15.0-15.5)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
				E8 (15.5-16.0)	TAL Metals, SVOCs, PCBs, VOCs, Cyanide
			7.3 ppm		
16		SILT: Brown, fine, tight, trace sand	25 ppm		
			0.0 ppm		
			0.0 ppm		
18		SAND: Gray	0.0 ppm	E8 (20.0-20.5)	TAL Metals, Cr+6
			0.0 ppm		
			0.0 ppm		
20		SAND: Red, gray mottling, trace silt, some well rounded gravel	0.0 ppm	E8 (22.0-22.5)	TAL Metals, Cr+6
22	NULL: End of Boring at 22.5 ft.				

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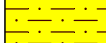


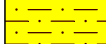
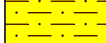

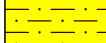


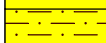

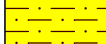



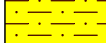
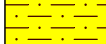

<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: E9		
		Site: PPG - Jersey City, NJ			
Start Date: 9/3/2003	Project: Site Investigation		Page: 1 of 1		
	Coordinates: X-611257.88 Y-683847.79		Depth of Boring: 3.00		
End Date: 9/3/2003	Elevation: 15.79		Geologist:		
	Drill Subcontractor: Terra Probe		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



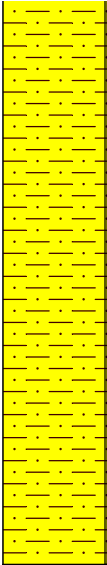
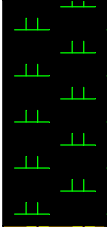
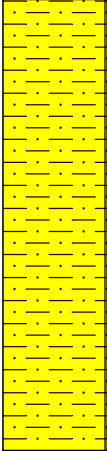
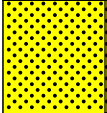
NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: F1	
		Site: PPG - Jersey City, NJ			
Start Date: 8/22/2003		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611360.82 Y-682906.81		Depth of Boring: 24.00	
End Date: 8/22/2003		Elevation: 14.17		Geologist:	
		Drill Subcontractor: S&S		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		GRAVEL			
		FILL: COPR	0.4 ppm	F1 (0.5-1.0)	TAL Metals, Cr+6
				F1 (1.0-1.5)	TAL Metals, Cr+6
		FILL: Bblack, COKE/SLAG, some COPR, trace coarse sand	0.3 ppm		
2			0.2 ppm		
					
			0.3 ppm		
4					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					

<div>ENSR AECOM</div>		Client: PPG		BORING ID: F1	
		Site: PPG - Jersey City, NJ			
Start Date: 8/22/2003		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611360.82 Y-682906.81		Depth of Boring: 24.00	
End Date: 8/22/2003		Elevation: 14.17		Geologist:	
		Drill Subcontractor: S&S		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12			2.2 ppm		
			1.1 ppm		
14			1.1 ppm		
			0.4 ppm		
		PEAT: Brown, organic material (meadow mat)		F1 (15.5-16.0)	TAL Metals, Cr+6
16			0.7 ppm		
			2.8 ppm	F1 (17.0-17.5)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
18			8.8 ppm		
		SILT: Gray, tight, fine	3 ppm		
20				F1 (19.5-20.0)	TAL Metals, SVOCs, PCBs, VOCs, Cyanide
			3.4 ppm		
			8 ppm	F1 (21.0-21.5)	TAL Metals, SVOCs, PCBs, VOCs, Cyanide
22		FINE SAND: Reddish gray, some medium sand, trace silt	24 ppm		
24			61 ppm		

NOTES:

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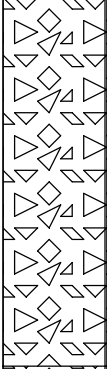
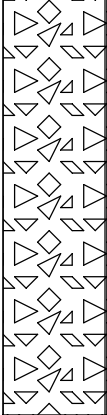
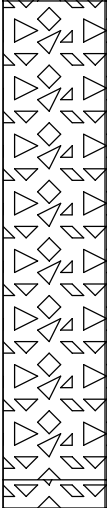
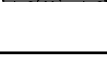
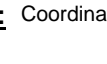

<div>ENSR AECOM</div>		Client: PPG		BORING ID: F1		
		Site: PPG - Jersey City, NJ				
Start Date: 8/22/2003		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611360.82 Y-682906.81		Depth of Boring: 24.00		
End Date: 8/22/2003		Elevation: 14.17		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

24		<div> NULL: End of Boring at 24 ft. </div>
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<div>ENSR AECOM</div>		Client: PPG		BORING ID: F2		
		Site: PPG - Jersey City, NJ				
Start Date: 8/23/2003		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-611384.15 Y-683013.48		Depth of Boring: 32.00		
End Date: 8/23/2003		Elevation: 16.52		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		GRAVEL		F2 (0.0-0.5)	TAL Metals, Cr+6
				F2 (1.0-1.5)	TAL Metals, Cr+6
2		FILL: Red brown silt and COPR, cobble (yellow stained), trace sand	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
4		FILL: Gray silt, little small gravel	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
6		FILL: Gray silt, ash (yellow staining), trace sand	0.0 ppm		
			0.0 ppm		
			0.8 ppm		
			0.8 ppm		
8		FILL: Gray silt, ash (yellow staining), trace sand	1.8 ppm		
10		FILL: Gray silt, ash (yellow staining), trace sand			
12		FILL: Gray silt, ash (yellow staining), trace sand			

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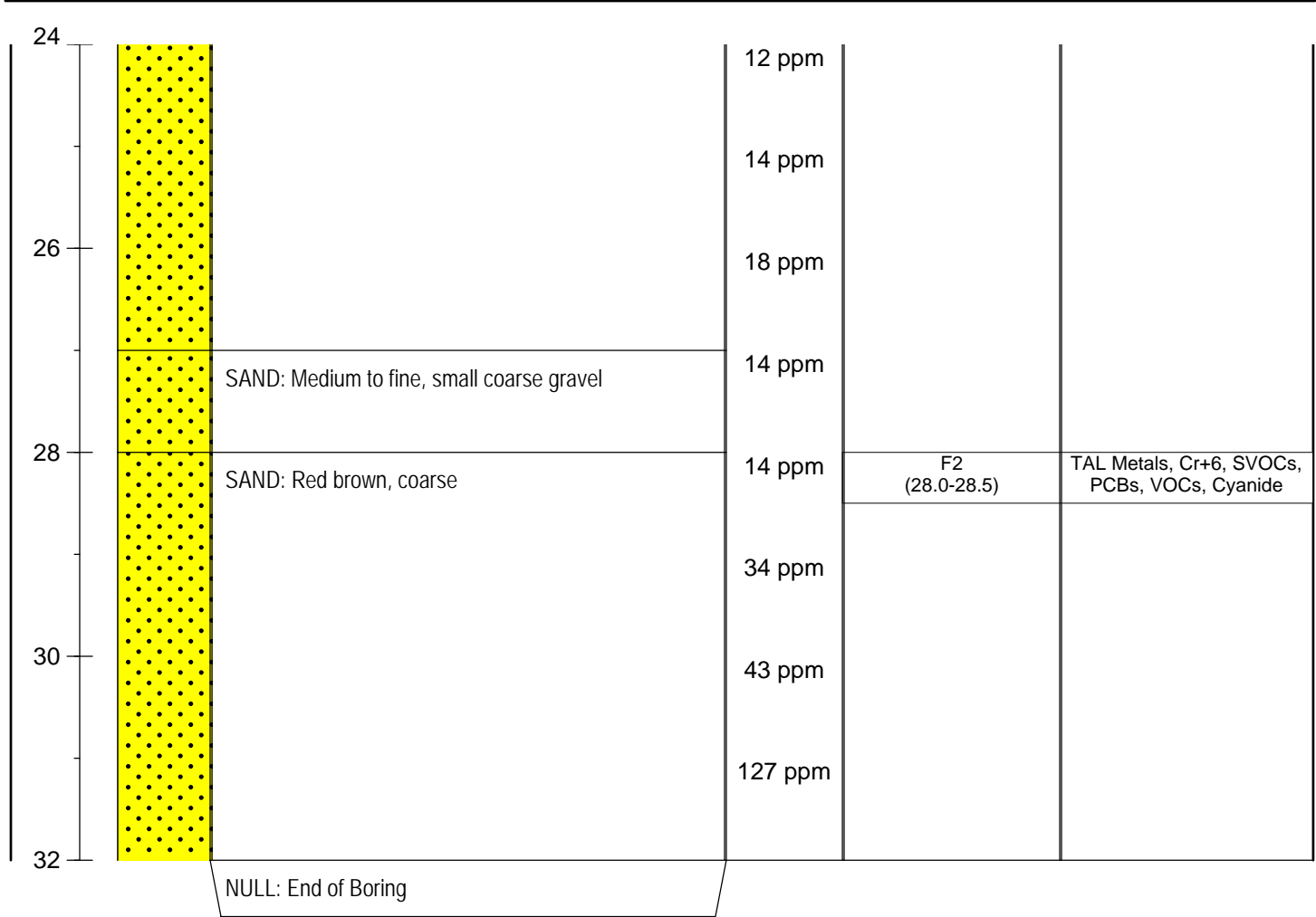
<div>ENSR AECOM</div>		Client: PPG		BORING ID: F2		
		Site: PPG - Jersey City, NJ				
Start Date: 8/23/2003		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611384.15 Y-683013.48		Depth of Boring: 32.00		
End Date: 8/23/2003		Elevation: 16.52		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Gray gravel (yellow and blue staining), some coarse sand, ash, trace silt	2.0 ppm		
		FILL: Gray silt, (slight yellow staining), trace sand, ash	0.2 ppm		
14			0.3 ppm		
		FILL: Gray silt, (yellow staining), trace sand, ash	0.4 ppm		
16			0.2 ppm		
		SILT: Gray (yellow staining), some cobble, trace organic material	0.3 ppm		
18			0.5 ppm		
			3.5 ppm		
20		SILT: Gray/brown, some sand, organic material, odor	22 ppm		
		PEAT: Brown, organic material (meadow mat)	81 ppm	F2 (21.0-21.5)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
22			127 ppm		
		SAND: Organic material, odor	8 ppm		
24					

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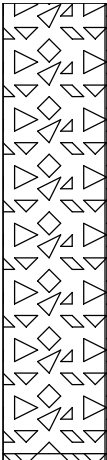



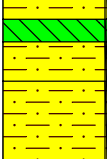
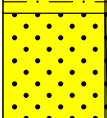
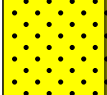
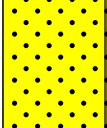


<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>F2</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 8/23/2003		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611384.15 Y-683013.48		Depth of Boring: 32.00		
End Date: 8/23/2003		Elevation: 16.52		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters



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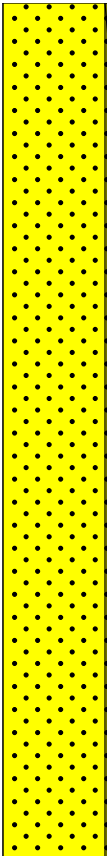
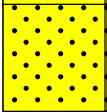
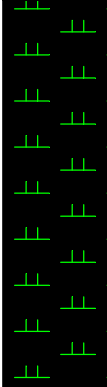
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		Site: PPG - Jersey City, NJ				
Start Date: 9/7/2005		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-611384.15 Y-683013.48		Depth of Boring: 32.00		
End Date: 9/7/2005		Elevation: 16.52		Geologist: R. Feinberg		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		FILL: Dark reddish-brown (5YR, 2.5/2) SILT, little C-F sand, trace C-F crushed gravel, trace C-F gravel (COPR nodules), 95% COPR	0.0 ppm		
2					
4		FILL: Gray (5YR, 5/1) C-F SAND and SILT, trace F-gravel (100% COPR)	0.0 ppm		
5		FILL: Red-brown C-F SAND, some C-F gravel, trace silt (100% COPR), trace wood			
6		FILL: Black C-F SAND, some C-F Gravel, trace silt (100% COPR), trace wood			
7		FILL: Mottled gray and red-brown (5YR, 6/1) (5YR 4/4) cemented C-F SAND, some C-F gravel, trace silt, trace wood (100% COPR) (5.5-5.6') Grayish-green seam, with dissolved nodules, trace glass			
8		SILT: Drk gray-brown (2.54, 4/2) CLAYEY SILT (plastic) with dissolved and undissolved chrome nodules	0.0 ppm		
9		CLAY: Very dark green-gray (Gley 1. 3/2) SILTY CLAY, sticky, very plastic			
10		SILT: Brown (7.5YR 4/4), Strong brown (7.5YR 5/8), Reddish-yellow (7.5YR, 5/8) mottled SILT and CLAY, little C-F Sand			
11		SILT: Gray (7YR, 5/1) C-F SAND and CLAYEY SILT, cemented piece with green crystals at 7.45'			
12		SAND: Gray (7.5YR 6/1), Dark gray (7YR, 4/1) C-F			

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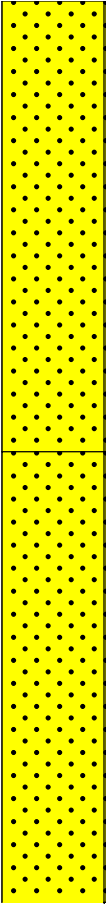
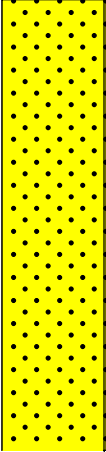
<div>ENSR AECOM</div>		Client: PPG		BORING ID: F2A		
		Site: PPG - Jersey City, NJ				
Start Date: 9/7/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611384.15 Y-683013.48		Depth of Boring: 32.00		
End Date: 9/7/2005		Elevation: 16.52		Geologist: R. Feinberg		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		SAND, some clayey silt, trace F-gravel (Chrome nodules) (5% COPR) (8.95-9.05' seam of dusty red C-F SAND, some M-F gravel, trace silt (100% COPR)) (9.95-10.3' Greenish gray C-F SAND, trace clayey silt)	0.0 ppm		
14		SAND: Same as above, green staining throughout, cemented pieces of sand throughout			
16			0.0 ppm		
18					
20		SAND: Black (7YR, 2.5/1), very dark grayish brown (2.5 YR, 3/2) C-F SAND, trace silt, trace F-gravel	43 ppm		
22		PEAT: Peat/Meadow mat			
24					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: F2A		
		Site: PPG - Jersey City, NJ				
Start Date: 9/7/2005		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611384.15 Y-683013.48		Depth of Boring: 32.00		
End Date: 9/7/2005		Elevation: 16.52		Geologist: R. Feinberg		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

24		SAND: Gray (7.5YR, 5/1) fine SAND, some seams silt, oil stained	6 ppm		
26			47 ppm		
28		SAND: Brown (7.5YR 4/4), fine SAND, little M-sand, trace gravel, oil stained	11 ppm		
30			101 ppm		
32	<div> <div>NULL: End of Boring.</div> </div>				

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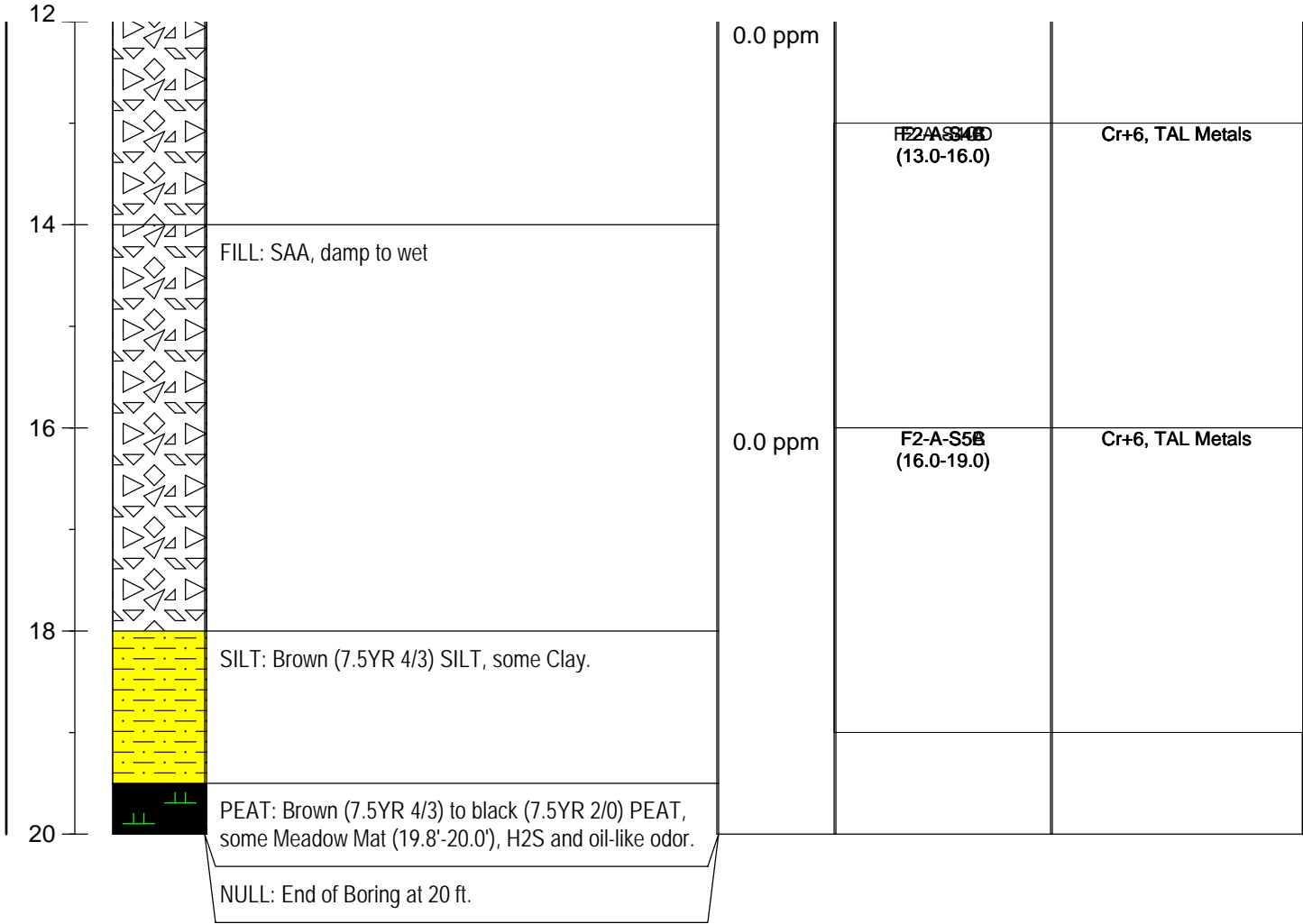
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		Site: PPG - Jersey City, NJ			
Start Date: 10/19/2005	Project: Site Investigation		Page: 1 of 2		
	Coordinates: X-611384.92 Y-683013.99		Depth of Boring: 20.00		
End Date: 10/19/2005	Elevation: 16.52		Geologist: S. McCray		
	Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: Brown (7.5YR 5/2) fine to very fine SAND, some Silt, trace Gravel, dry.	0.0 ppm		
		NR: No Recovery			
2		FILL: Same As Above (SAA)			
		FILL: Olive Brown (2.5Y 4/3) fine to very fine SAND, some Silt, wet at 3.5'. 100% Waste Mud.			
4		FILL: Brown (7.5YR 5/2) fine to very fine SAND, some Silt, trace Gravel, dry.	0.0 ppm	F2-A-S1B (4.0-7.0)	Cr+6, TAL Metals
		FILL: Olive Brown (2.5Y 4/3) fine to very fine SAND, some Silt, wet. 100% Waste Mud.			
6		NR: No Recovery			
		FILL: Light greenish gray (5GY 7/1) to Brown (7.5YR 5/4) SILT, little fine to very fine Sand, wet 6'-7', moist 7'-8', wet 8'-10', 100% Mud Waste.		F2-A-S2B (7.0-10.0)	Cr+6, TAL Metals
8			0.0 ppm		
10		FILL: SAA, damp to wet, ammonia-like odor.		F2-A-S3B (10.0-13.0)	Cr+6, TAL Metals
12					

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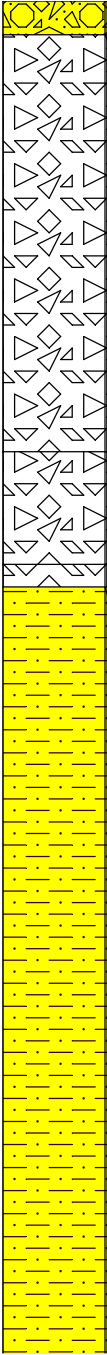
<div>ENSR AECOM</div>		Client: PPG		BORING ID: F2-A		
		Site: PPG - Jersey City, NJ				
Start Date: 10/19/2005		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-611384.92 Y-683013.99		Depth of Boring: 20.00		
End Date: 10/19/2005		Elevation: 16.52		Geologist: S. McCray		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG		BORING ID: F3		
		Site: PPG - Jersey City, NJ				
Start Date: 8/25/2003		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-611383.05 Y-683125.99		Depth of Boring: 25.00		
End Date: 8/25/2003		Elevation: 15.88		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

<div> <div>0</div> <div>2</div> <div>4</div> <div>6</div> <div>8</div> <div>10</div> <div>12</div> </div>		<div>GRAVEL</div> <div>FILL: COPR (yellow stained), silt, coarse sand, cement</div> <div>FILL: COPR (yellow stained), silt, coarse sand, cement</div> <div>FILL: Lime</div> <div>SILT: Gray, yellow staining, green observed at 12 ft, some sand</div>	<div>0.0 ppm</div> <div>0.0 ppm</div> <div>0.0 ppm</div> <div>0.0 ppm</div> <div>0.0 ppm</div> <div>0.0 ppm</div> <div>0.0 ppm</div> <div>0.0 ppm</div> <div>1.0 ppm</div> <div>2.0 ppm</div>	<div>F3 (0.5-1.0)</div> <div>F3 (1.5-2.0)</div> <div>F3 (7.5-8.0)</div>	<div>TAL Metals, Cr+6</div> <div>TAL Metals, Cr+6</div> <div>Grain Size</div>
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NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div><div>ENSR</div><div>AECOM</div></div>		Client: PPG		BORING ID: F3		
		Site: PPG - Jersey City, NJ				
Start Date: 8/25/2003		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611383.05 Y-683125.99		Depth of Boring: 25.00		
End Date: 8/25/2003		Elevation: 15.88		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

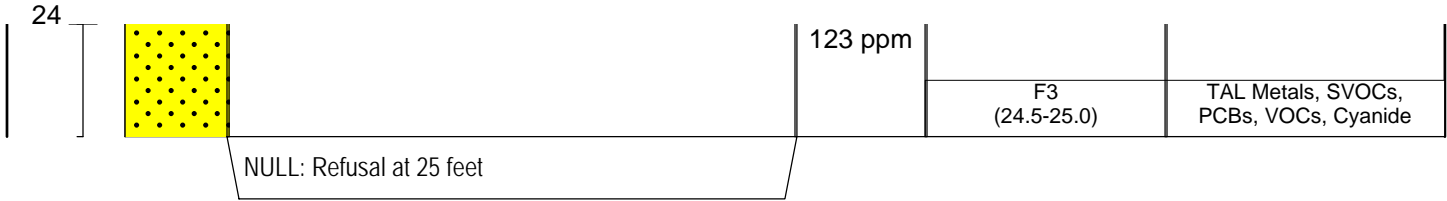
12			20 ppm		
			35 ppm		
14			6.0 ppm		
			5.0 ppm		
16			12 ppm		
		PEAT: Black, organic material (meadow mat), product staining	18 ppm		
18		SILT: Red brown, impact staining, sand, cobble (till)	35 ppm		
				F3 (18.5-19.0)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
			65 ppm		
20		SAND: Red brown, organic matter, gravel, (till)	17 ppm		
			24 ppm		
22			36 ppm		
			17 ppm		
24					

NOTES:

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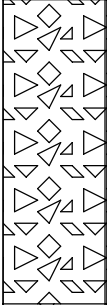
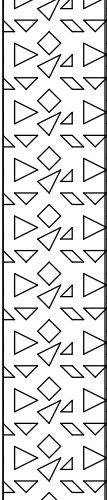



<div>ENSR AECOM</div>		Client: PPG		BORING ID: F3	
		Site: PPG - Jersey City, NJ			
Start Date: 8/25/2003		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611383.05 Y-683125.99		Depth of Boring: 25.00	
End Date: 8/25/2003		Elevation: 15.88		Geologist:	
		Drill Subcontractor: S&S		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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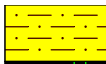
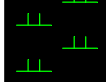
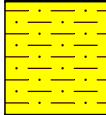
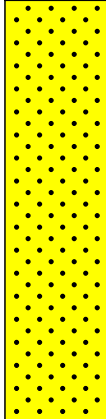
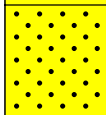
<div>ENSR AECOM</div>		Client: PPG		BORING ID: F4	
		Site: PPG - Jersey City, NJ			
Start Date: 8/29/2003		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X-611381.72 Y-683255.99		Depth of Boring: 19.00	
End Date: 8/29/2003		Elevation: 13.28		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		ASPHALT			
		FILL: Fine sand, brick, silt, wood fragments	0.0 ppm		
2			0.0 ppm		
			0.0 ppm		
4		FILL: COPR, orange/brown silt, coke, yellow staining	0.0 ppm	F4 (4.0-4.5)	TAL Metals, Cr+6
			0.0 ppm		
6			0.0 ppm		
		FILL: Black silt, fine	5.3 ppm		
		FILL: Black, coarse sand, coal, coke, cobble	0.0 ppm		
8			6.5 ppm		
			8.5 ppm		
			13 ppm		
10					
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: F4	
		Site: PPG - Jersey City, NJ			
Start Date: 8/29/2003		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-611381.72 Y-683255.99		Depth of Boring: 19.00	
End Date: 8/29/2003		Elevation: 13.28		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

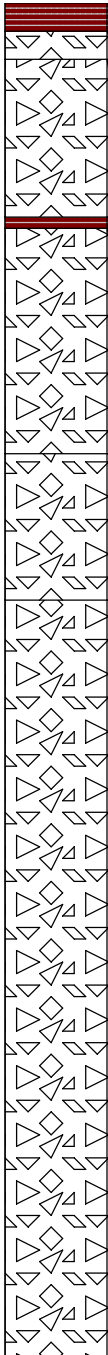
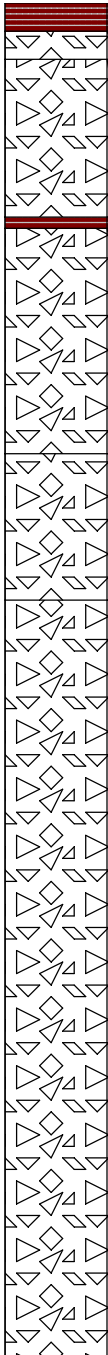
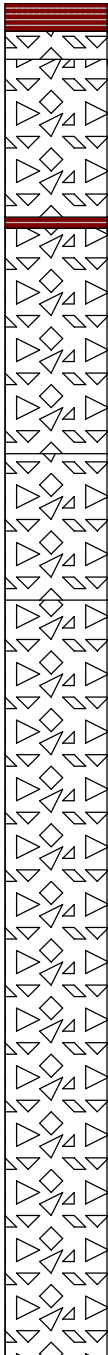
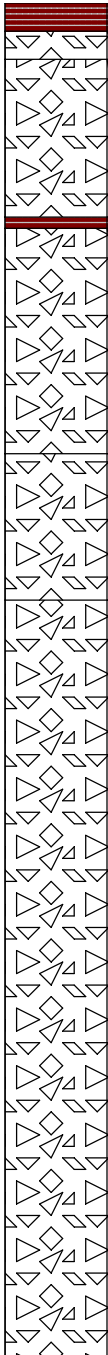
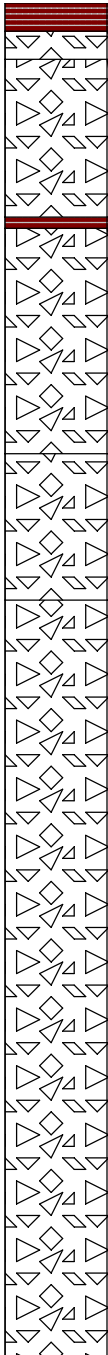
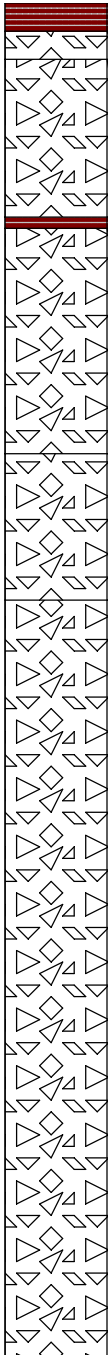
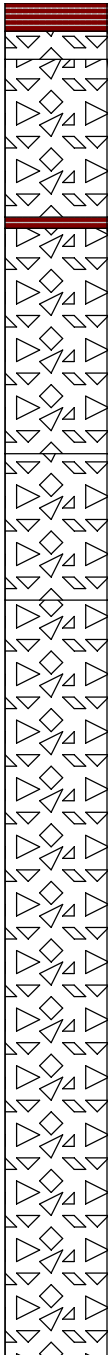
12		SILT: Black (stained), organic material	26 ppm	F4 (12.6-13.6)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
		PEAT: Brown, organic material (meadow mat)	13 ppm		
		SILT: Brown, fine, trace meadow mat	15 ppm		
14		SAND: Red brown, medium to coarse, sheen	157 ppm		
			62 ppm		
			75 ppm		
			120 ppm		
18		SAND: Orange, medium, no evidence of impact		F4 (18.0-18.5)	TAL Metals, SVOCs, PCBs, VOCs, Cyanide
	NULL: End of Boring at 19 ft.				

NOTES:

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: F5	
		Site: PPG - Jersey City, NJ			
Start Date: 8/29/2003		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X-611386.94 Y-683358.28		Depth of Boring: 20.00	
End Date: 8/29/2003		Elevation: 13.30		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

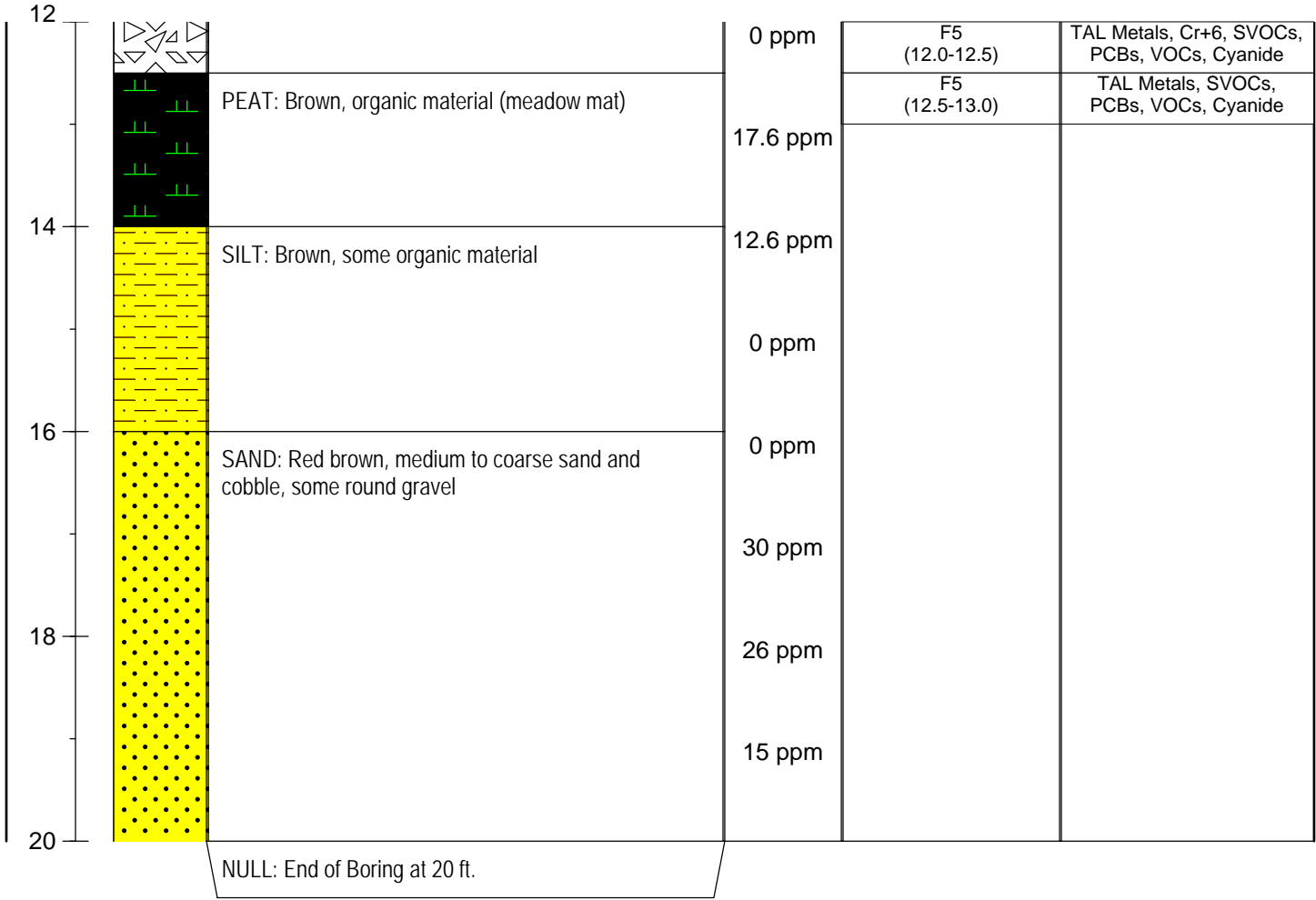
0		ASPHALT	0 ppm			
		FILL: Cobble, gravel, coarse sand			F5 (0.5-1.0)	TAL Metals, Cr+6
		FILL: Brown, silt, cobble, gravel				
2		ASPHALT	0.3 ppm			
		FILL: Red brown COPR	0.3 ppm			
4		FILL: Brown silt, trace sand, COPR	0 ppm		F5 (4.0-4.5)	TAL Metals, Cr+6
			0 ppm			
6		FILL: Black COKE/SLAG	0 ppm			
			0 ppm			
8			0 ppm			
			6.1 ppm			
10			0 ppm			
			0 ppm			
12						

NOTES:

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: F5		
		Site: PPG - Jersey City, NJ				
Start Date: 8/29/2003		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-611386.94 Y-683358.28		Depth of Boring: 20.00		
End Date: 8/29/2003		Elevation: 13.30		Geologist:		
		Drill Subcontractor: Terra Probe		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters



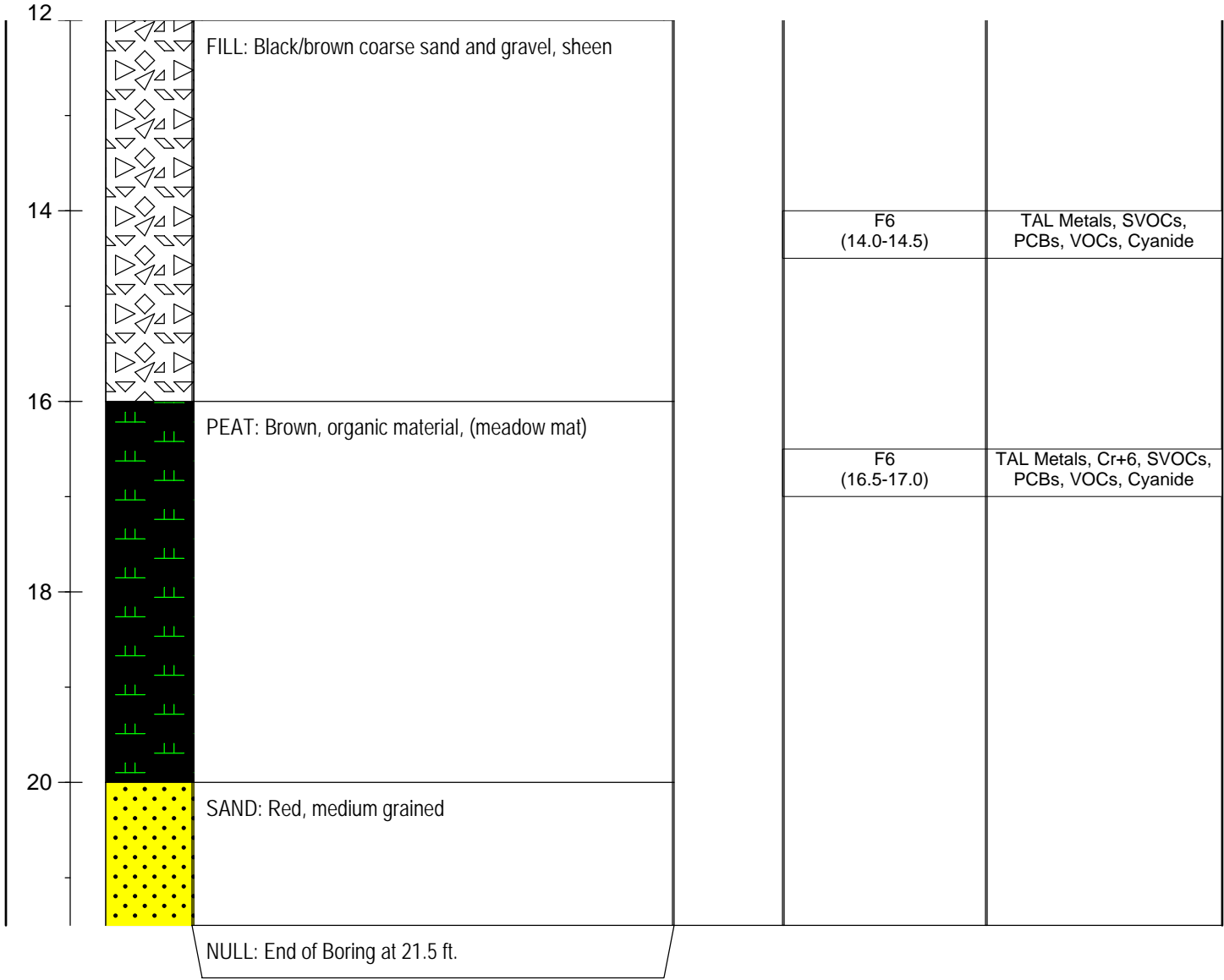
NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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0	CONCRETE: 50% gravel	F6 (0.0-0.5)	Concrete Core: GC/MS VOAs, GC/MS SVOAs, Pesticides, PCBs, TAL Metals, Cr+6
	FILL: Orange, fine sand	F6 (0.5-1.0)	TAL Metals, Cr+6, Grain Size
2	FILL: Yellow staining, brick	F6 (1.5-2.0)	TAL Metals, Cr+6
4			
6			
8	FILL: Black/brown, coarse sand, gravel	F6 (8.5-9.0)	TAL Metals, Cr+6
10	COBBLE		
12			

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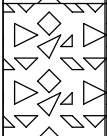
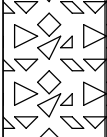
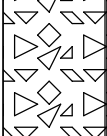
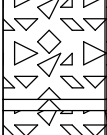
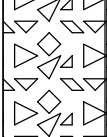
<div>ENSR AECOM</div>		Client: PPG		BORING ID: F6	
		Site: PPG - Jersey City, NJ			
Start Date: 9/2/2003		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-611381.12 Y-683485.86		Depth of Boring: 21.50	
End Date: 9/2/2003		Elevation: 16.95		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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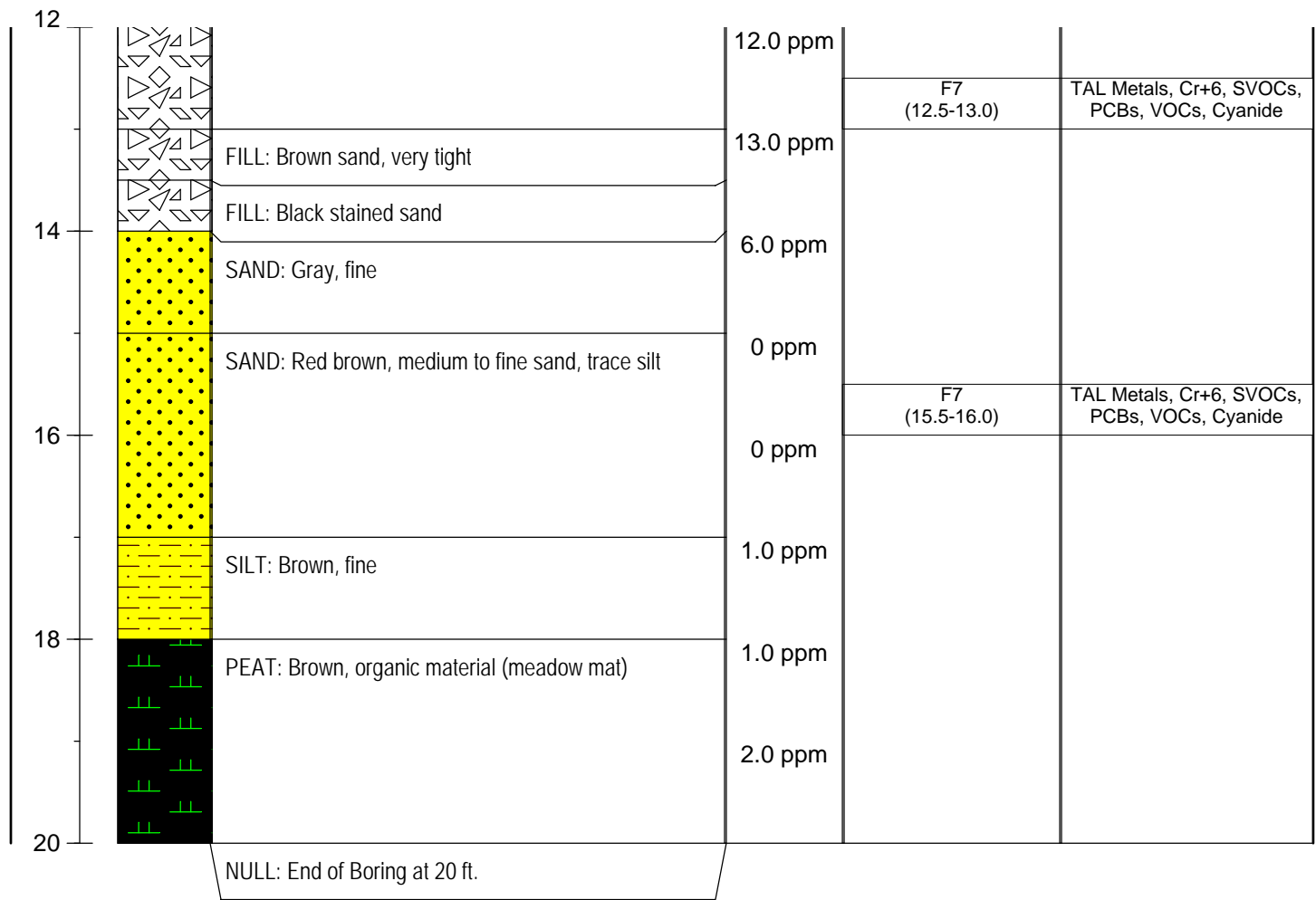
<div>ENSR AECOM</div>		Client: PPG			BORING ID: F7	
		Site: PPG - Jersey City, NJ				
Start Date: 9/2/2003		Project: Site Investigation			Page: 1 of 2	
		Coordinates: X-611381.4 Y-683608.13			Depth of Boring: 20.00	
End Date: 9/2/2003		Elevation: 16.91			Geologist:	
		Drill Subcontractor: Terra Probe			Driller:	
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete core: 40% gravel, no rebar present, no evidence of staining		F7 (0.0-0.5)	Concrete Core: GC/MS VOAs, GC/MS SVOAs, Pesticides, PCBs, TAL Metals, Cr+6
		FILL: Yellow fine sand	0 ppm		
2		FILL: Brown silt			
		FILL: Cobble	0 ppm		
4		FILL: Brick	0 ppm		
		FILL: COPR and wood fragments	0 ppm		
6			0 ppm	F7 (4.5-5.0)	TAL Metals, Cr+6
			0 ppm		
8			0 ppm		
			0 ppm		
10		FILL: COPR	2.0 ppm		
			3.0 ppm		
12		FILL: Black silt, trace organics	4.0 ppm		
		FILL: COKE/SLAG	11.0 ppm		

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>F7</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 9/2/2003		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-611381.4 Y-683608.13		Depth of Boring: 20.00	
End Date: 9/2/2003		Elevation: 16.91		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



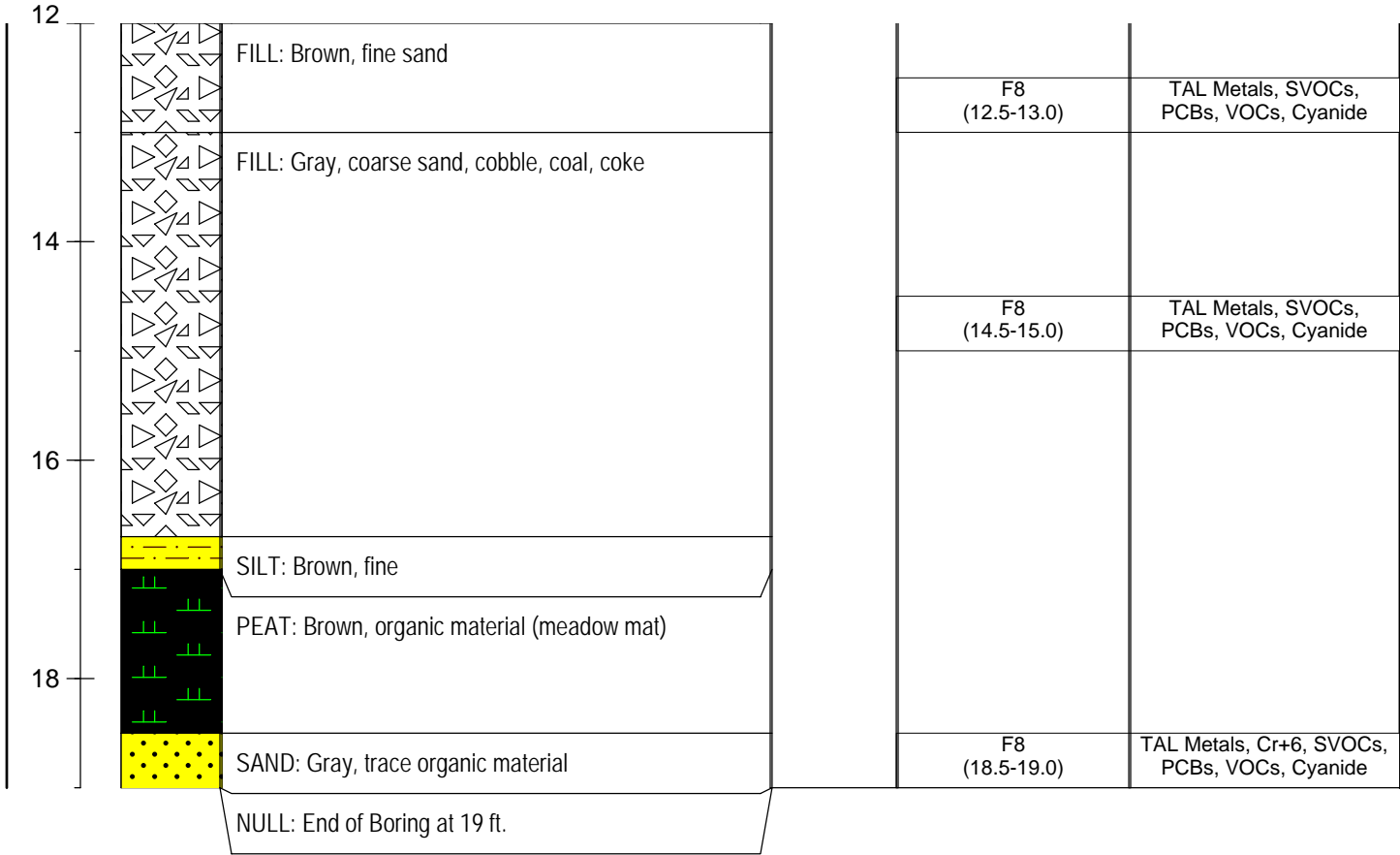
NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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0		<p>CONCRETE: Concrete Core: 50 % gravel, rebar present, no evidence of staining</p>		<p>F8 (0.0-0.5)</p>	<p>Concrete Core: GC/MS VOA, GC/MS SVOAs, Pesticides, PCBs, TAL Metals, Cr+6</p>
2		<p>FILL: Yellow, fine sand</p>		<p>F8 (0.5-1.0)</p>	<p>TAL Metals, Cr+6</p>
4		<p>FILL: COPR, red brown</p>		<p>F8 (2.5-3.0)</p>	<p>TAL Metals, Cr+6</p>
6		<p>FILL: Rock fragments</p>			
8		<p>FILL: COPR, some gravel</p>			
10		<p>FILL: COPR, red brown with yellow particulate</p>			
12					

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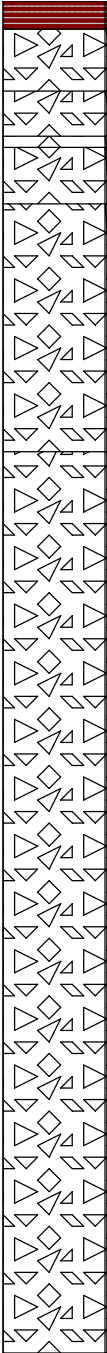
<div>ENSR AECOM</div>		Client: PPG		BORING ID: F8	
		Site: PPG - Jersey City, NJ			
Start Date: 9/2/2003		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-611381.12 Y-683726.21		Depth of Boring: 19.00	
End Date: 9/3/2003		Elevation: 17.24		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>F9</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 8/29/2003		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611355.51 Y-683833.18		Depth of Boring: 28.00	
End Date: 8/29/2003		Elevation: 16.82		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		ASPHALT	0.0 ppm		
		FILL: Brown silt, yellow staining, some sand, small gravel, cobble		F9 (0.5-1.0)	TAL Metals, Cr+6
		FILL: Orange to tan, fine sand, some ash		F9 (1.0-1.5)	TAL Metals, Cr+6
2		FILL: Asphalt, cobble layer, possible COPR	0.0 ppm		
		FILL: Gray fine sand, green staining, silt	0.0 ppm		
		FILL: Orange and very pale brown (10YR 7/4), gray/tan silt, trace sand, trace ash	0.0 ppm		
4		FILL: Light gray (2.5YR 7/2) silt, heavy green staining, fine, trace to some fine sand	0.0 ppm		
			0.0 ppm	F9 (5.0-5.5)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
6			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
8			0.0 ppm		
			0.0 ppm		
10			0.0 ppm		
			0.0 ppm	F9 (10.5-11.0)	TAL Metals, Cr+6
			0.0 ppm		
12					

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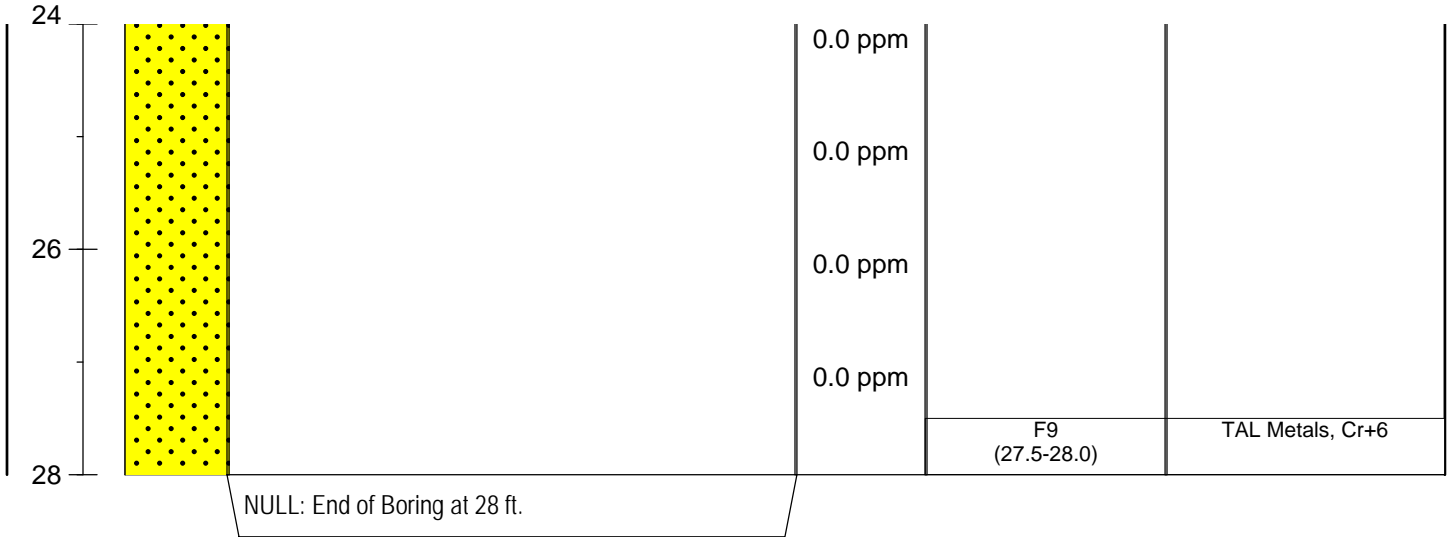
<div>ENSR AECOM</div>		Client: PPG		BORING ID: F9	
		Site: PPG - Jersey City, NJ			
Start Date: 8/29/2003		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611355.51 Y-683833.18		Depth of Boring: 28.00	
End Date: 8/29/2003		Elevation: 16.82		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Red brown silt, some moderate sand, trace cobble, possible COPR	0.0 ppm	F9 (16.0-16.5)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
14		SILT: Brown, fine	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
16		SAND: Red brown, medium, some weathered rock fragments, trace silt	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
18		SAND: Red brown, medium to fine, some coarse gravel, well rounded	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
20		SAND: Red brown, medium to fine, some coarse gravel, well rounded	0.0 ppm	F9 (23.5-24.0)	TAL Metals, Cr+6
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
22		SAND: Red brown, medium to fine, some coarse gravel, well rounded	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
24		SAND: Red brown, medium to fine, some coarse gravel, well rounded	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: F9	
		Site: PPG - Jersey City, NJ			
Start Date: 8/29/2003		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611355.51 Y-683833.18		Depth of Boring: 28.00	
End Date: 8/29/2003		Elevation: 16.82		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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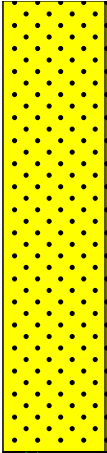
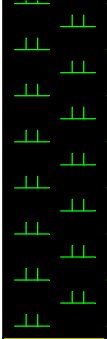
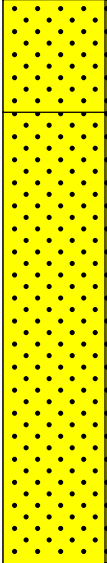
<div>ENSR AECOM</div>		Client: PPG		BORING ID: G2	
		Site: PPG - Jersey City, NJ			
Start Date: 8/22/2003		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611487.13 Y-683027.39		Depth of Boring: 24.00	
End Date: 8/22/2003		Elevation: 14.59		Geologist:	
		Drill Subcontractor: S&S		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		GRAVEL			
		FILL: Red brown, COPR		G2 (0.5-1.0)	TAL Metals, Cr+6
		FILL: Silt, yellow staining, trace fine sand, COPR, ash	.2 ppm	G2 (1.0-1.5)	TAL Metals, Cr+6
2			.3 ppm		
			3 ppm		
4		FILL: Silt, yellow staining, trace fine sand, COPR, ash	.2 ppm		
			.3 ppm		
6			1 ppm		
			1.4 ppm		
8			.3 ppm		
			.4 ppm		
10			1.8 ppm		
			1.2 ppm		
12		FILL: Organic material, heavy black staining			

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: G2		
		Site: PPG - Jersey City, NJ				
Start Date: 8/22/2003		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611487.13 Y-683027.39		Depth of Boring: 24.00		
End Date: 8/22/2003		Elevation: 14.59		Geologist:		
		Drill Subcontractor: S&S		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		SAND: Gray, fine, sheen, trace organic material	1 ppm		
			4.3 ppm		
14			12 ppm		
			10 ppm		
16		PEAT: Brown, organic material (meadow mat)	13 ppm	G2 (16.0-16.5)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
			77 ppm		
18			.8 ppm		
			.9 ppm		
20		SAND: Brown changing to gray, fine	1.1 ppm		
		SAND: Gray, fine, medium to fine sand, some gravel	21.1 ppm		
22			21.5 ppm		
			15.3 ppm		
				G2 (23.0-23.5)	TAL Metals, SVOCs, PCBs, VOCs, Cyanide
24					

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		Client: PPG			BORING ID: G2	
		Site: PPG - Jersey City, NJ				
Start Date: 8/22/2003		Project: Site Investigation			Page: 3 of 3	
		Coordinates: X-611487.13 Y-683027.39			Depth of Boring: 24.00	
End Date: 8/22/2003		Elevation: 14.59			Geologist:	
		Drill Subcontractor: S&S			Driller:	
Depth (ft)	Lithology	Description			PID	Sample ID
						Sample Parameters

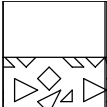

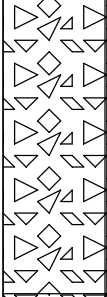
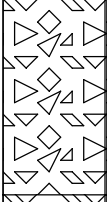
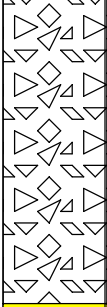
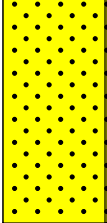
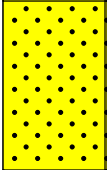
24

NULL: End of Boring at 24 ft.

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: G6	
		Site: PPG - Jersey City, NJ			
Start Date: 9/2/2003		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X-611501.65 Y-683486.94		Depth of Boring: 20.00	
End Date: 9/2/2003		Elevation: 16.80		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

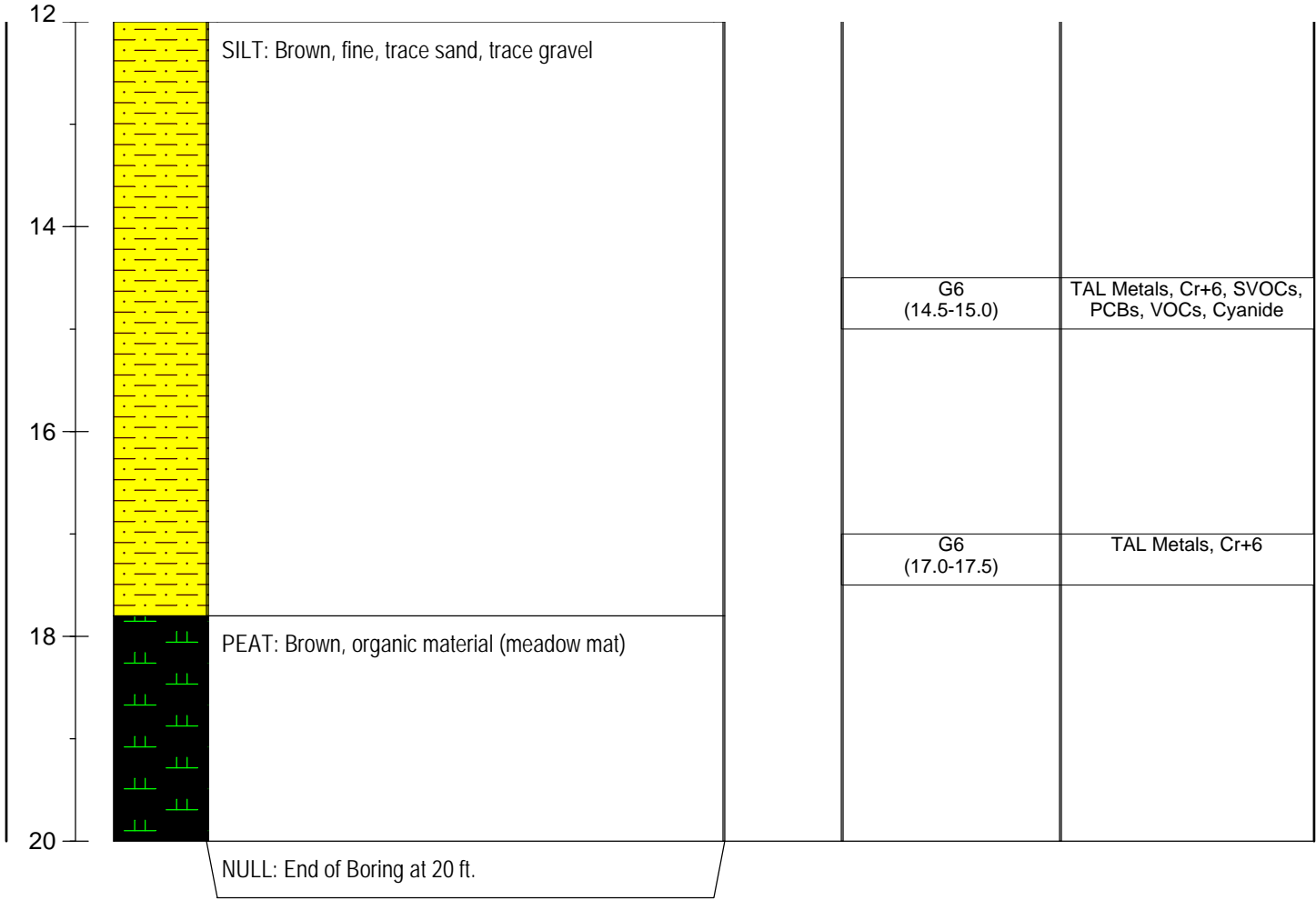
0		CONCRETE: 40% gravel, some orange sand on bottom, no rebar or staining present		G6 (0.5-1.0)	TAL Metals, Cr+6
2		FILL: Yellow fine sand			
4		FILL: COPR			
6		FILL: Brown, fine sand, trace silt			
8		FILL: Red brown, COPR, some fine silt		G6 (5.75-6.25)	TAL Metals, Cr+6
10		SAND: Brown			
12		SAND: Black stained, trace silt		G6 (10.5-11.0)	TAL Metals, SVOCs, PCBs, VOCs, Cyanide

NOTES:

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: G6	
		Site: PPG - Jersey City, NJ			
Start Date: 9/2/2003		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-611501.65 Y-683486.94		Depth of Boring: 20.00	
End Date: 9/2/2003		Elevation: 16.80		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

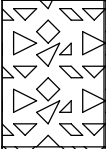

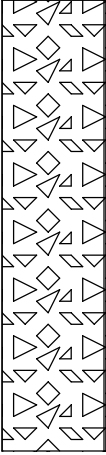


NOTES:

Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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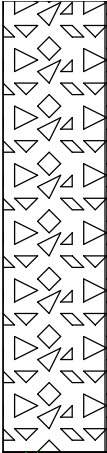

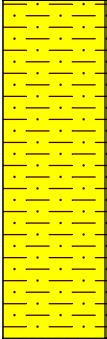
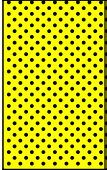
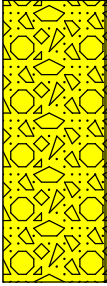
ENSR AECOM	Client: PPG		BORING ID: G7		
	Site: PPG - Jersey City, NJ				
Start Date: 9/2/2003	Project: Site Investigation		Page: 1 of 3		
	Coordinates: X-611494.79 Y-683605.32		Depth of Boring: 28.00		
End Date: 9/2/2003	Elevation: 25.11		Geologist:		
	Drill Subcontractor: Terra Probe		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		CONCRETE			
		FILL: Yellow, fine sand, some cobble	0 ppm	G7 (0.5-1.0)	TAL Metals, Cr+6
2		FILL: Red brown silt and orange COPR	0 ppm		
		NR: No Recovery	0 ppm		
4			0 ppm	G7 (4.0-4.5)	TAL Metals, Cr+6
			0 ppm		
6			0 ppm		
			0 ppm		
8		FILL: COPR	0 ppm		
			2.0 ppm		
10			3.0 ppm		
				G7 (10.5-11.0)	TAL Metals, Cr+6
			4.0 ppm		
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: G7		
		Site: PPG - Jersey City, NJ				
Start Date: 9/2/2003		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611494.79 Y-683605.32		Depth of Boring: 28.00		
End Date: 9/2/2003		Elevation: 25.11		Geologist:		
		Drill Subcontractor: Terra Probe		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

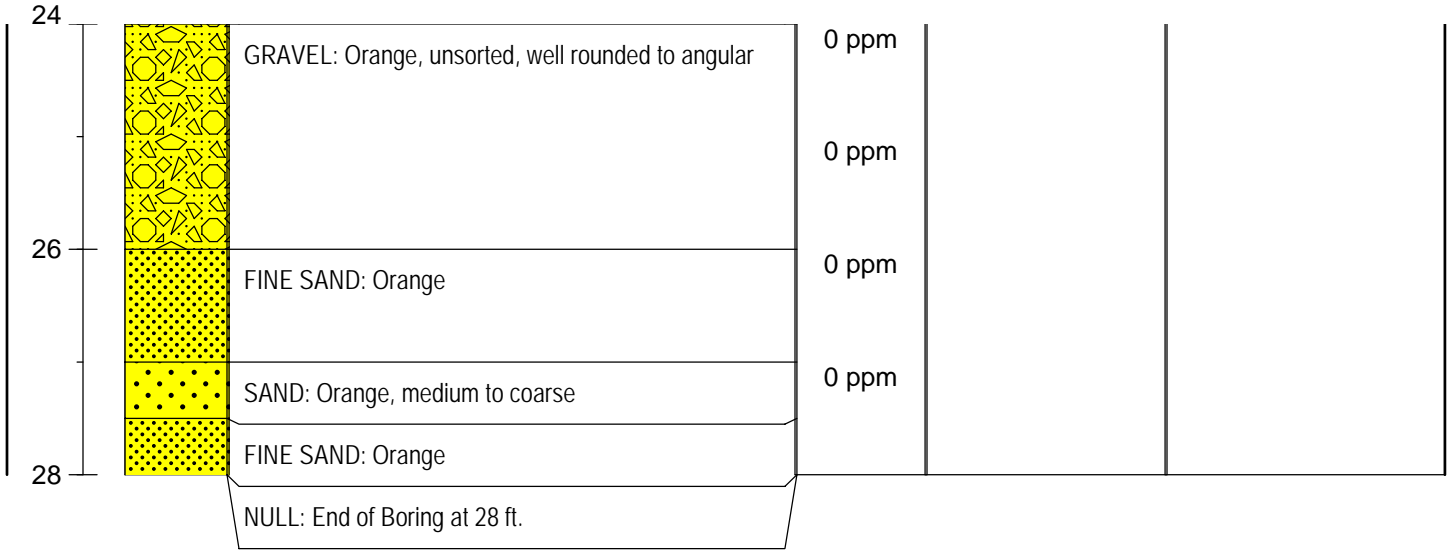
12		FILL: COKE/SLAG	11.0 ppm		
			12.0 ppm	G7 (13.0-13.5)	TAL Metals, SVOCs, PCBs, VOCs, Cyanide
14			13.0 ppm		
			6.0 ppm		
16		PEAT: Black (stained), organic material (meadow mat)	0 ppm		
			0 ppm	G7 (17.0-17.5)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
18		SILT: Brown, fine, trace organic material	1.0 ppm		
			1.0 ppm		
20			2.0 ppm		
			1.3 ppm		
22		FINE SAND: Gray/red brown, yellow staining, silt			
22		GRAVEL: Orange, cobble, some sand, some silt, weathered rock fragments	0 ppm		
			0 ppm		
24					

NOTES:

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: G7	
		Site: PPG - Jersey City, NJ			
Start Date: 9/2/2003		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611494.79 Y-683605.32		Depth of Boring: 28.00	
End Date: 9/2/2003		Elevation: 25.11		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG		BORING ID: G8	
		Site: PPG - Jersey City, NJ			
Start Date: 9/2/2003		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611501.38 Y-683726.68		Depth of Boring: 24.00	
End Date: 9/2/2003		Elevation: 16.11		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete core: 40% gravel, slight chrom staining in bottom 1/8" of core		G8 (0.5-1.0)	TAL Metals, Cr+6
		ASPHALT	0 ppm		
		FILL: Cobble, wood	0 ppm		
2		FILL: Red brown, COPR	0 ppm		
		FILL: Red brown, COPR	0 ppm		
4		FILL: Red brown, COPR	0 ppm	G8 (4.0-4.5)	TAL Metals, Cr+6
		FILL: Red brown, fine silt	0 ppm		
6		FILL: Red brown, COPR	0 ppm		
		FILL: Red brown, COPR	0 ppm		
8		FILL: Red brown, COPR	0 ppm		
		FILL: Red brown, COPR	0 ppm		
10		FILL: Black (stained), fine silt, trace sand	0 ppm		
		FILL: Black, COKE/SLAG, sheen	0 ppm	G8 (10.5-11.0)	TAL Metals, Cr+6
12		FILL: Black, COKE/SLAG, sheen	0 ppm		

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: G8	
		Site: PPG - Jersey City, NJ			
Start Date: 9/2/2003		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611501.38 Y-683726.68		Depth of Boring: 24.00	
End Date: 9/2/2003		Elevation: 16.11		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12			4.0 ppm		
			18.0 ppm	G8 (13.0-13.5)	TAL Metals, SVOCs, PCBs, VOCs, Cyanide
14			20.0 ppm		
			6.1 ppm		
16			9.1 ppm		
		PEAT: Brown, organic material (meadow mat)			
		SILT: Gray, fine, yellow (staining observed in water)	2.0 ppm	G8 (17.0-17.5)	TAL Metals, Cr+6, SVOCs, PCBs, VOCs, Cyanide
18			8.1 ppm		
			3.0 ppm		
20			1.0 ppm		
			0 ppm		
22			0 ppm		
			0 ppm		
24				G8 (23.5-24.0)	TAL Metals, Cr+6

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		Client: PPG	BORING ID: G8		
		Site: PPG - Jersey City, NJ			
Start Date: 9/2/2003		Project: Site Investigation	Page: 3 of 3		
		Coordinates: X-611501.38 Y-683726.68	Depth of Boring: 24.00		
End Date: 9/2/2003		Elevation: 16.11	Geologist:		
		Drill Subcontractor: Terra Probe	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

24	NULL: End of Boring at 24 ft.
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NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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ENSR AECOM	Client: PPG		BORING ID: G8V		
	Site: PPG - Jersey City, NJ				
Start Date: 10/7/2005	Project: Site Investigation		Page: 1 of 4		
	Coordinates: X-611505 Y-683734		Depth of Boring: 36.00		
End Date: 10/7/2005	Elevation: 16.00		Geologist: Richard Firely		
	Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		UNKNOWN: No Sleeves Collected.			
2					
4					
6					
8					
10					
12					

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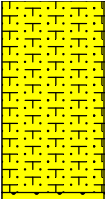

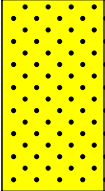

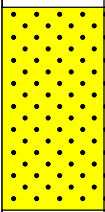

ENSR AECOM	Client: PPG		BORING ID: G8V		
	Site: PPG - Jersey City, NJ				
Start Date: 10/7/2005	Project: Site Investigation		Page: 2 of 4		
	Coordinates: X-611505 Y-683734		Depth of Boring: 36.00		
End Date: 10/7/2005	Elevation: 16.00		Geologist: Richard Firely		
	Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12					
14					
16					
18					
20					
22					
24					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: G8V	
		Site: PPG - Jersey City, NJ			
Start Date: 10/7/2005		Project: Site Investigation		Page: 3 of 4	
		Coordinates: X-611505 Y-683734		Depth of Boring: 36.00	
End Date: 10/7/2005		Elevation: 16.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

24		SILTY SAND: Dark reddish brown (2.5YR 3/4) fine to medium sand, silt and fine to medium gravel, little medium to coarse gravel, loose	0.2 ppm		
			0.2 ppm	G8VA (25.0-25.5)	Cr+6
26		SAND: Dark reddish brown (2.5YR 3/4) fine sand, little medium sand, trace silt, loose	0.2 ppm		
		NR: No recovery	0.2 ppm		
28		SAND: Red (2.5YR 4/6) fine sand, little medium sand, trace silt and fine gravel, trace clay, sheen noted, loose	2.4 ppm		
			2.4 ppm	G8VB (29.0-29.5)	Cr+6
30		NR: No recovery	2.4 ppm		
			2.4 ppm		
32		SAND: Red (2.5YR 4/6) fine sand, little medium sand, trace silt and fine gravel, trace clay, sheen noted, loose	0.2 ppm		
			0.2 ppm	G8VC (33.0-33.5)	Cr+6
34		NR: No recovery	0.2 ppm		
			0.2 ppm		
36					

NOTES:

Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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		Client: PPG		BORING ID: G8V	
		Site: PPG - Jersey City, NJ			
Start Date: 10/7/2005		Project: Site Investigation		Page: 4 of 4	
		Coordinates: X-611505 Y-683734		Depth of Boring: 36.00	
End Date: 10/7/2005		Elevation: 16.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

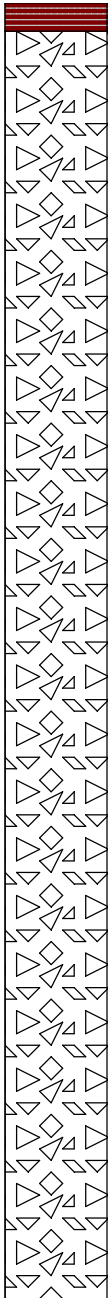
36

NULL: End of Boring at 36'

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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<div>ENSR AECOM</div>		Client: PPG		BORING ID: G9	
		Site: PPG - Jersey City, NJ			
Start Date: 8/29/2003		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X-611497.79 Y-683830.1		Depth of Boring: 11.50	
End Date: 8/29/2003		Elevation: 16.93		Geologist:	
		Drill Subcontractor: Terra Probe		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		ASPHALT	0.0 ppm		
		FILL: Red brown, COPR		G9 (0.5-1.0)	TAL Metals, Cr+6
2					
4				G9 (3.5-4.0)	TAL Metals, Cr+6
6					
8					
10					
	NULL: Refusal at 11.5 feet				

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

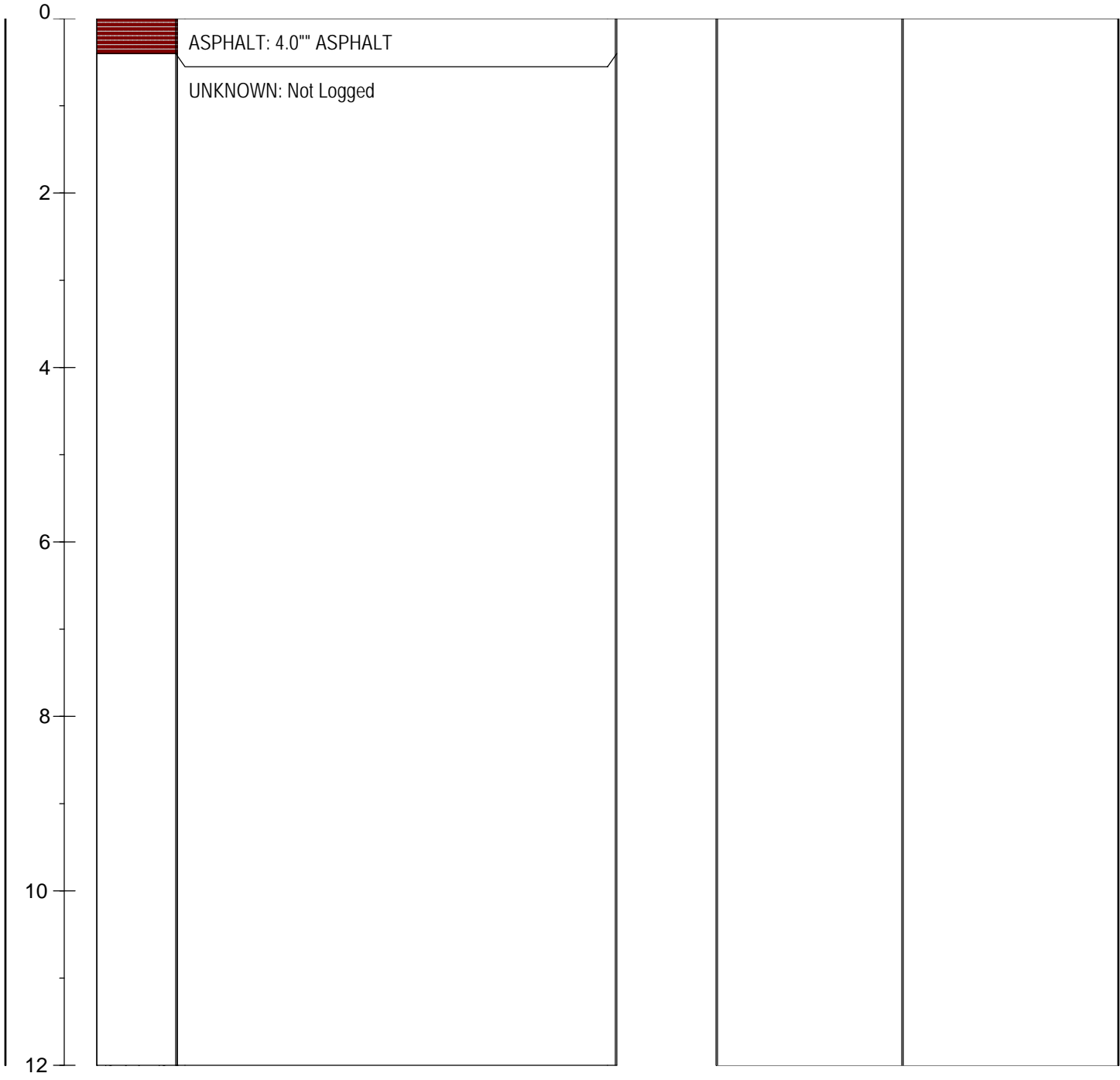
THIS IS A PRELIMINARY DRAFT. IT HAS BEEN PREPARED BASED ON PRELIMINARY INFORMATION AND ON ASSUMPTIONS. NO ONE MAY RELY ON THIS DRAFT. IT IS SUBJECT TO CHANGE AS ADDITIONAL INFORMATION BECOMES AVAILABLE OR IS CLARIFIED.

		Client: PPG			BORING ID: G9		
		Site: PPG - Jersey City, NJ					
Start Date: 8/29/2003		Project: Site Investigation			Page: 2 of 2		
		Coordinates: X-611497.79 Y-683830.1			Depth of Boring: 11.50		
End Date: 8/29/2003		Elevation: 16.93			Geologist:		
		Drill Subcontractor: Terra Probe			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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ENSR AECOM	Client: PPG		BORING ID: G9V		
	Site: PPG - Jersey City, NJ				
Start Date: 10/7/2005	Project: Site Investigation		Page: 1 of 3		
	Coordinates: X-611502.24 Y-683828.33		Depth of Boring: 23.00		
End Date: 10/7/2005	Elevation: 17.00		Geologist: McCray, Scott		
	Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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<div>ENSR AECOM</div>		Client: PPG		BORING ID: G9V	
		Site: PPG - Jersey City, NJ			
Start Date: 10/7/2005		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611502.24 Y-683828.33		Depth of Boring: 23.00	
End Date: 10/7/2005		Elevation: 17.00		Geologist: McCray, Scott	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Dark Reddish Brown (2.5YR 3/4) medium-fine SAND, and Silt, little Gravel, wet, trace Coal Ash	0.0 ppm	G9VA 12.0-12.5	Cr+6
14		NR: No Recovery			
16		CLAY: Dark Reddish Brown (2.5YR 3/4) CLAY, little Orgaincs (Meadow Mat-like materials), damp	0.3 ppm	G9VB 16.0-16.5	Cr+6
18		CLAY: Very Dark Brown (10YR 2/2) organic CLAY, some Meadow Mat, damp			
20		SAND: Reddish Gray (10R 6/1) fine-very fine SAND, little Meadow Mat, wet	0.3 ppm	G9VC 20.0-20.5	Cr+6
22		NR: No Recovery			
24		SAND: Reddish Gray (10R 6/1) coarse-fine SAND, some Gravel, trace Silt, wet			
		NR: No Recovery			

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		Client: PPG			BORING ID: G9V		
		Site: PPG - Jersey City, NJ					
Start Date: 10/7/2005		Project: Site Investigation			Page: 3 of 3		
		Coordinates: X-611502.24 Y-683828.33			Depth of Boring: 23.00		
End Date: 10/7/2005		Elevation: 17.00			Geologist: McCray, Scott		
		Drill Subcontractor: Ameridrill			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

24

NULL: Refusal at 23' bgs.

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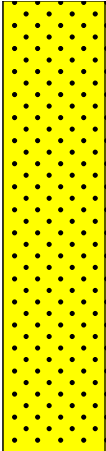
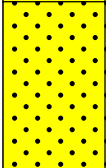
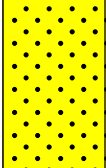
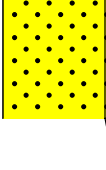

<div>ENSR AECOM</div>		Client: PPG		BORING ID: GA		
		Site: PPG - Jersey City, NJ				
Start Date: 3/15/2004		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-610700.73 Y-683335.9		Depth of Boring: 20.00		
End Date: 3/15/2004		Elevation: 13.94		Geologist: R. Feinberg		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

<div> <div>0</div> <div>2</div> <div>4</div> <div>6</div> <div>8</div> <div>10</div> <div>12</div> </div>		CEMENT: Concrete (2")	0.1 ppm	GA (0.1-0.5)	Cr+6, Tl, Zn
		FILL: Grayish brown (10YR 5/2) coarse to fine SAND, little coarse to fine gravel, trace silt, trace crushed rock/Red and weak red (10R 4/6 and 2.5Y 4/2) clayey SILT, trace fine sand, trace coal		GA (0.8-1.8)	Cr+6, Tl, Zn
		FILL: Reddish gray, black and reddish brown (2.5YR 5/1, 5YR 2.5/1 and 4/4) coarse to fine SAND, some coarse to fine gravel, trace silt, (coal ash), dry (14")/Very dark gray, dark brown and black (10YR 3/1 and 3/3, GLEY1 2.5/N) SILT, some coarse to fine sand	0.6 ppm	GA (4.0-4.5)	Cr+6, Tl, Zn
				GA (5.2-6.2)	Cr+6, Tl, Zn (includes duplicate)
		FILL: Dusky red (2.5YR 3/2) coarse to fine SAND, trace coarse to fine gravel, trace silt, trace vegetation		GA (8.0-8.5)	Cr+6, Tl, Zn
				GA (8.5-9.0)	Cr+6, Tl, Zn
		SILT: Very dark grayish brown (10YR 3/2) clayey SILT, wet (27")/Dark brown (7.5YR 3/2) coarse to fine SAND, little silt			

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ENSR AECOM		Client: PPG		BORING ID: GA		
		Site: PPG - Jersey City, NJ				
Start Date: 3/15/2004		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-610700.73 Y-683335.9		Depth of Boring: 20.00		
End Date: 3/15/2004		Elevation: 13.94		Geologist: R. Feinberg		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		SAND: Red and dusky red (10R 5/6 and 3/4) coarse to fine SAND, little coarse to fine gravel, little silt	0.2 ppm	GA (12.0-12.5)	Cr+6, Tl, Zn
14		SAND: Dark reddish brown (5YR 3/4) coarse to fine SAND, trace coarse to fine gravel (rounded), trace silt	0 ppm	GA (16.0-16.5)	Cr+6, Tl, Zn
				GA (17.0-17.5)	Cr+6, Tl, Zn
16					
18					
20		NULL: End of Boring at 20 ft.			

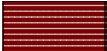

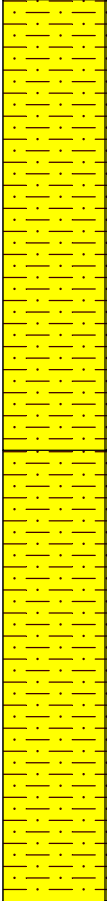
NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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GB


No Boring Log Available

<div>ENSR AECOM</div>		Client: PPG		BORING ID: GC		
		Site: PPG - Jersey City, NJ				
Start Date: 3/16/2004		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-610826.34 Y-683596.44		Depth of Boring: 12.00		
End Date: 3/16/2004		Elevation: 6.93		Geologist: R. Firely		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		ASPHALT: Asphalt (6")			
		CEMENT: Concrete (6")			
		NR: Soft Dig to 48" bgs.			
2					
4		SILT: Dark yellowish brown (10YR 4/6) SILT	0.0 ppm	GC4.0	CR+6, As, TI
6				GC6.0	CR+6, As, TI
8			NA	GC8.0	CR+6, As, TI
10		SILT: Strong brown (7.5YR 5/6) SILT, trace coarse to fine sand (17")/Dark yellowish brown and dark gray (10YR 4/4 and 7.5YR 4/1) crushed SHALE (6")/Strong brown (7.5YR 5/6) SILT, trace coarse to fine sand (8")		GC10.0	As, TI
12					

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		Client: PPG			BORING ID: GC	
		Site: PPG - Jersey City, NJ				
Start Date: 3/16/2004		Project: Site Investigation			Page: 2 of 2	
		Coordinates: X-610826.34 Y-683596.44			Depth of Boring: 12.00	
End Date: 3/16/2004		Elevation: 6.93			Geologist: R. Firely	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description			PID	Sample ID
						Sample Parameters


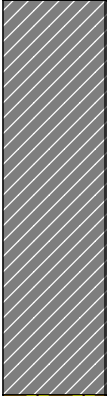
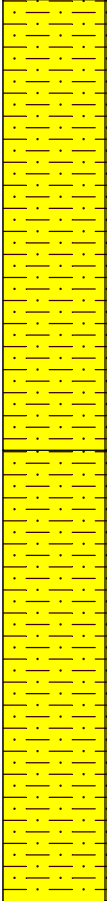
12

NULL: End of Boring at 12 ft.

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: GD		
		Site: PPG - Jersey City, NJ				
Start Date: 3/16/2004		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-610901.24 Y-683725.55		Depth of Boring: 12.00		
End Date: 3/16/2004		Elevation: 11.39		Geologist: R. Firely		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		ASPHALT: Asphalt (6")			
		CEMENT: Concrete (3")			
2		SILT: Very dark yellow brown (10YR 3/2) SILT, coarse to fine sand, little fine gravel/Olive gray (5Y 5/2) SILT (2")/Reddish yellow (7.5YR 7/6) SILT (1")/Dark yellowish brown (5YR 2.5/2) crushed SHALE, medium gravel (5")/Reddish yellow (7.5YR 7/6) SILT (1")	NA	GD4.0	Cr+6, Sb, As, Pb, Ti, Zn (Duplicate analyzed for Cr+6, Pb)
4					
6				GD5.9	Cr+6, Sb, As, Pb, Ti, Zn
8					
				GD8.0	Cr+6, Sb, As, Pb, Ti, Zn
		SILT: Reddish yellow (7.5YR 7/6) medium to fine SAND, clayey silt, trace medium to fine gravel	0.1 ppm		
				GD9.0	Sb, As, Pb, Ti, Zn
10					
12					

NOTES:

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		Client: PPG			BORING ID: GD		
		Site: PPG - Jersey City, NJ					
Start Date: 3/16/2004		Project: Site Investigation			Page: 2 of 2		
		Coordinates: X-610901.24 Y-683725.55			Depth of Boring: 12.00		
End Date: 3/16/2004		Elevation: 11.39			Geologist: R. Firely		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters


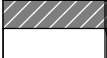
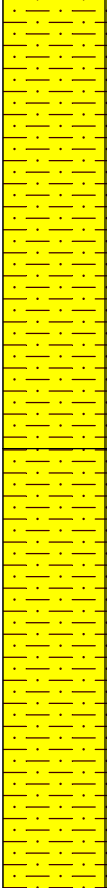
12

NULL: End of Boring at 12 ft.

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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ENSR AECOM		Client: PPG		BORING ID: GE		
		Site: PPG - Jersey City, NJ				
Start Date: 3/16/2004		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-610972.35 Y-683842.15		Depth of Boring: 27.00		
End Date: 3/16/2004		Elevation: 12.46		Geologist: R. Firely		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

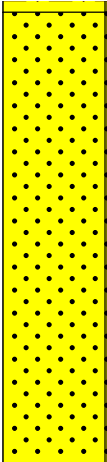
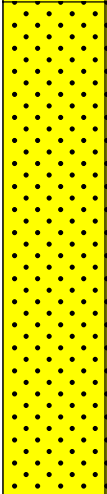
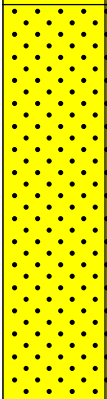
0		ASPHALT: Asphalt (6"")			
		CEMENT: Concrete (3"")			
		NR: Soft Dig to 50" bgs			
2					
4		SILT: Very dark gray (5YR 3/1) SILT	0.0 ppm	GE4.0	Cr+6, Sb, As, Tl (Duplicate analyzed for Sb)
6				GE5.6	Cr+6, Sb, As, Tl
8			0.0 ppm	GE8.1	Cr+6, Sb, As, Tl
10					
12					

NOTES:

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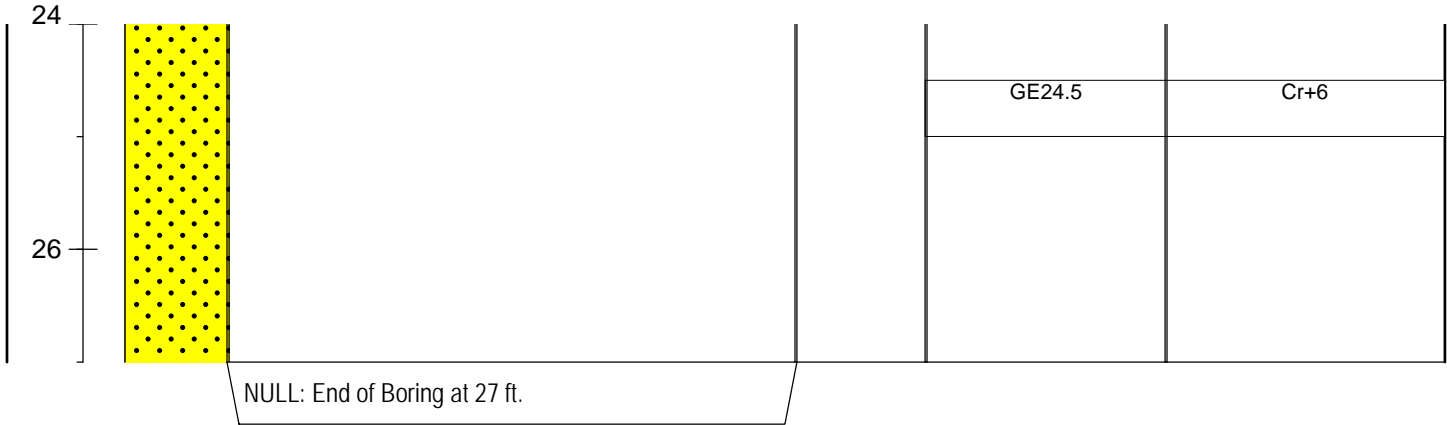
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		Site: PPG - Jersey City, NJ				
Start Date: 3/16/2004		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610972.35 Y-683842.15		Depth of Boring: 27.00		
End Date: 3/16/2004		Elevation: 12.46		Geologist: R. Firely		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		SAND: Yellowish red (5YR 4/6) coarse to fine SAND, little silt, little coarse to fine gravel (10'')/Yellowish red (5YR 4/6) SILT and fine SAND, trace fine gravel	0.0 ppm	GE12.1	Cr+6, Sb, As, Tl
14					
16		SAND: Reddish brown (2.5YR 4/4) coarse to fine SAND and CLAYEY SILT, trace coarse to fine gravel	0.0 ppm	GE16.1	Cr+6, Sb, As, Tl
18					
20		SAND: Reddish brown (2.5YR 4/4) coarse to fine SAND and CLAYEY SILT, trace coarse to fine gravel	0.0 ppm	GE20.5	Cr+6, Sb, As, Tl
22				GE21.0	Sb, As, Tl
24					

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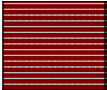
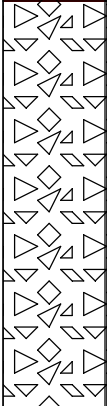
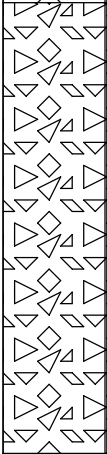
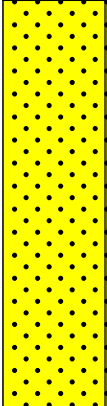
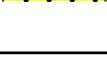
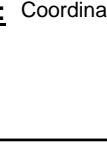
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		Site: PPG - Jersey City, NJ			
Start Date: 3/16/2004		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-610972.35 Y-683842.15		Depth of Boring: 27.00	
End Date: 3/16/2004		Elevation: 12.46		Geologist: R. Firely	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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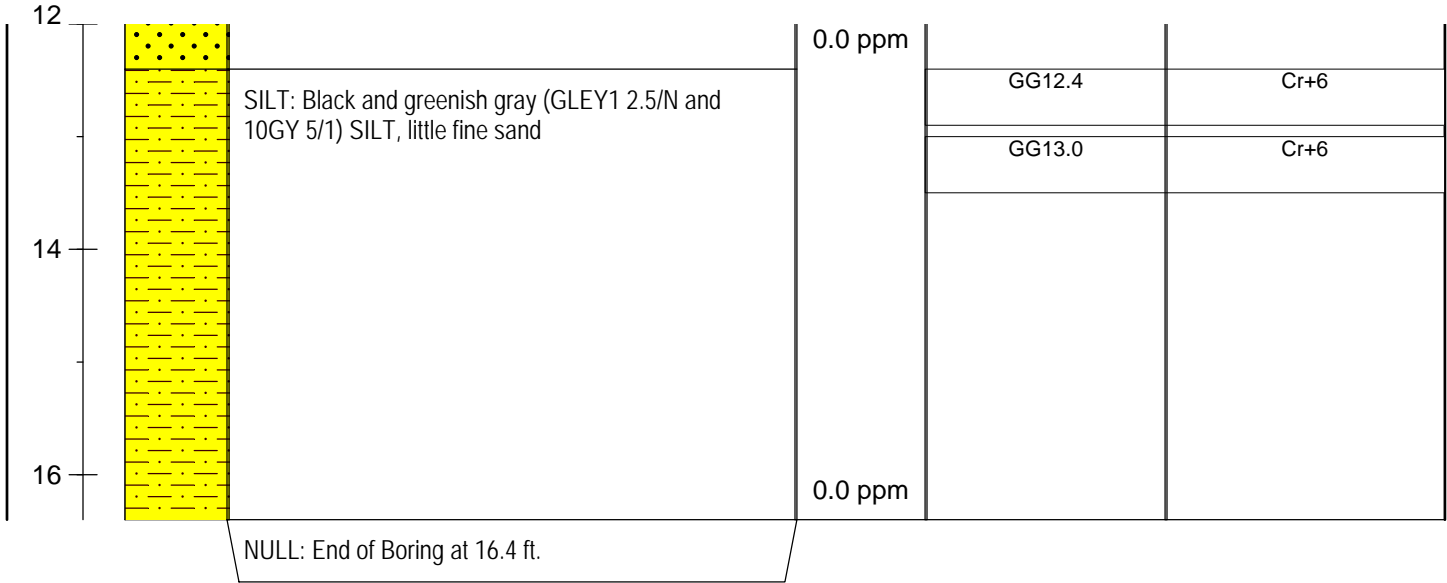
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		Site: PPG - Jersey City, NJ				
Start Date: 3/16/2004		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611104.59 Y-683959.43		Depth of Boring: 16.40		
End Date: 3/16/2004		Elevation: 12.30		Geologist: R. Firely		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		ASPHALT: Asphalt	0.0 ppm		
2		FILL: Soft dig to 53" bgs			
4		FILL: Very dark grayish brown (10YR 3/2) fine SAND and SILT/Brown (7.5YR 4/3) coarse to fine SAND, little coarse to fine gravel		GG4.4	Cr+6, As (Duplicate analyzed for As)
6				GG5.5	Cr+6, As
8					
10		SAND: Brown (7.5YR 4/3) fine SAND and SILT		GG8.4	Cr+6, As
12					

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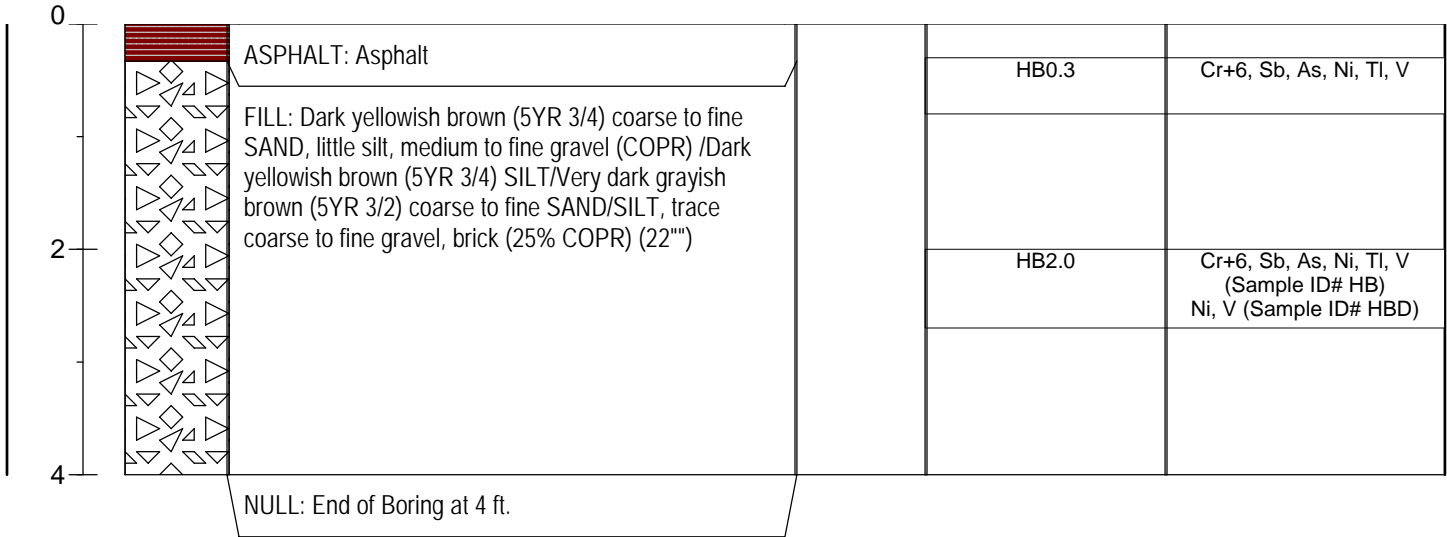
<div>ENSR AECOM</div>		Client: PPG		BORING ID: GG		
		Site: PPG - Jersey City, NJ				
Start Date: 3/16/2004		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-611104.59 Y-683959.43		Depth of Boring: 16.40		
End Date: 3/16/2004		Elevation: 12.30		Geologist: R. Firely		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters



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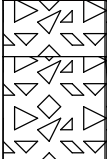
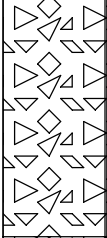
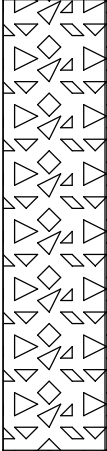
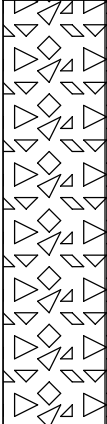

ENSR AECOM		Client: PPG		BORING ID: HB	
		Site: PPG - Jersey City, NJ			
Start Date: 3/17/2004		Project: Site Investigation		Page: 1 of 1	
		Coordinates: X-611506.77 Y-683014.53		Depth of Boring: 4.00	
End Date: 3/17/2004		Elevation: 9.86		Geologist: R. Firely	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: HC		
		Site: PPG - Jersey City, NJ				
Start Date: 3/17/2004		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-611594.17 Y-683102.97		Depth of Boring: 35.00		
End Date: 3/17/2004		Elevation: 12.00		Geologist: R. Firely		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		ASPHALT: Asphalt			
		FILL: Brown (7.5YR 4/4) coarse to fine SAND, trace silt, trace coarse to fine gravel/Black to dark brown (7.5YR 2.5/1 and 3/2) coarse to fine SAND, trace fine gravel, trace silt, trace brick		HC0.5	Cr+6, Sb, As, Be, Pb, Ni, Tl
2		FILL: White to pinkish gray (7.5YR 8/1 and 6/2) SILT with fine sand, seam/Black to strong brown (7.5YR 2.5/1 and 4/6) coarse to fine SAND, trace fine gravel, trace silt, trace brick, trace coal, trace ash and clinker		HC1.8	Cr+6, Sb, As, Be, Pb, Ni, Tl
4		FILL: Black to strong brown (7.5YR 2.5/1 and 4/6) coarse to fine SAND, some silt, trace fine gravel, trace brick, trace coal, trace ash and clinker/Red (10R 4/6) Brick or Terracotta, little silt (7")	0.0 ppm	HC4.0	Cr+6, Sb, As, Be, Pb, Ni, Tl
6				HC6.0	Cr+6, Sb, As, Be, Pb, Ni, Tl
8		FILL: Red (10R 4/6) Brick or Terracotta, little silt (1")/Reddish gray (5YR 5/2) SILT, trace coarse to fine sand, trace coarse to fine gravel/Black (GLE1 2.5/N) SILT, little coarse to fine sand, little fine gravel, oil, sheen (MGP)	0.0 ppm	HC8.0	Cr+6, Sb, As, Be, Pb, Ni, Tl
10				HC9.9	Tl
12					

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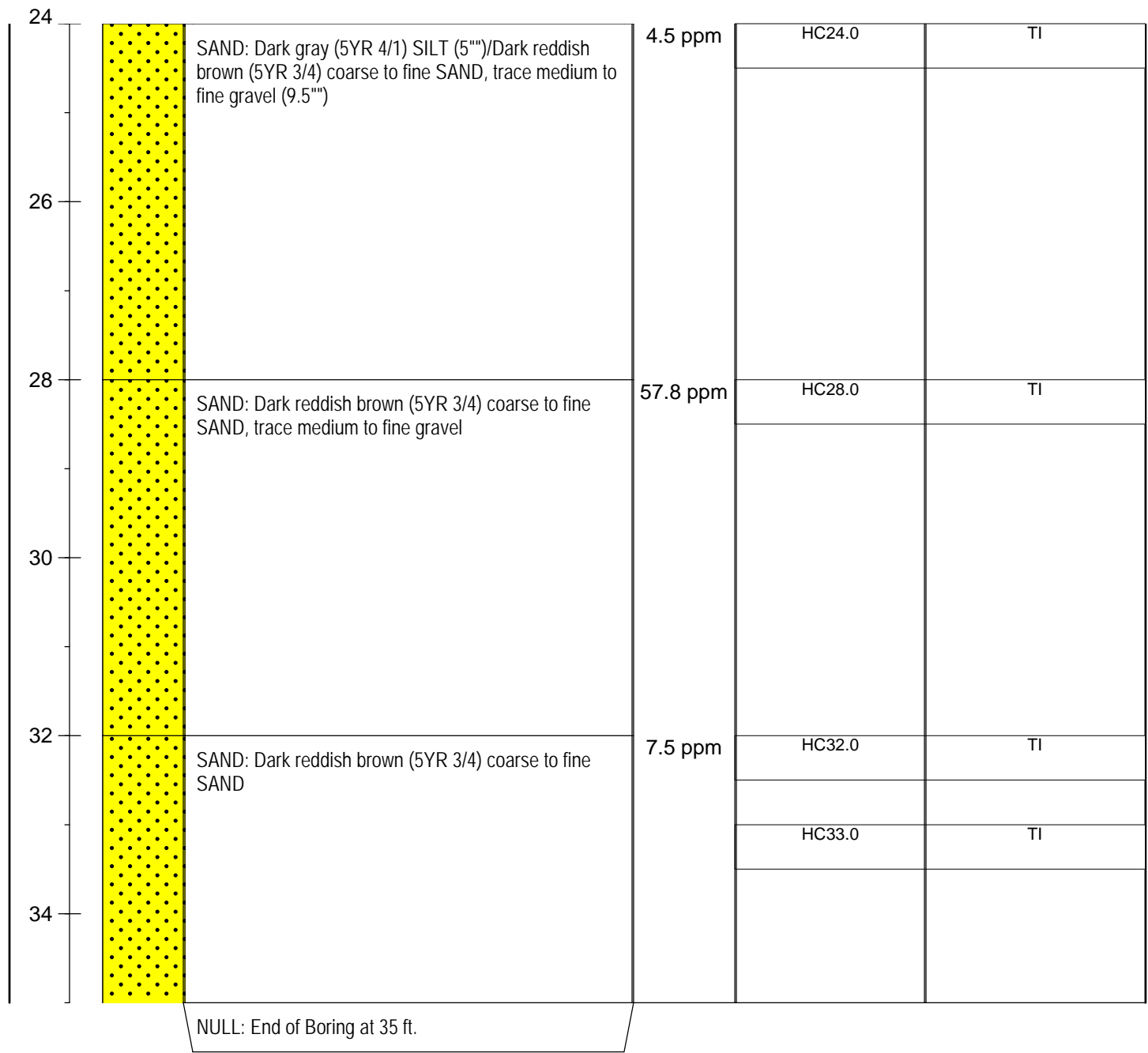
<div>ENSR AECOM</div>		Client: PPG		BORING ID: HC	
		Site: PPG - Jersey City, NJ			
Start Date: 3/17/2004		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611594.17 Y-683102.97		Depth of Boring: 35.00	
End Date: 3/17/2004		Elevation: 12.00		Geologist: R. Firely	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		SAND: Black (GLEY1 2.5/N) coarse to fine SAND, trace medium gravel, trace cinder(4'')/Pale brown (10YR 6/3) coarse to fine SAND, little silt (3'')	232 ppm	HC12.0	TI
14		SAND: Black (GLEY1 2.5/N) coarse to fine SAND, oily material, sheen (15'')/Brown (10YR 5/3) fine SAND, trace fine gravel (9'')/PEAT (meadow mat) (17'')/Brown (10YR 5/3) SILT (11'')	69 ppm	HC16.0	TI
16				HC18.0	TI
18					
20		SAND: Reddish black (2.5YR 2.5/1) PEAT/Gray (5YR 5/1) SILT, trace fine sand/Reddish brown to light reddish brown (5YR 4/3 and 6/3) coarse to fine SAND, little coarse to fine gravel	357 ppm	HC20.0	TI
22					
24					

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG		BORING ID: <div>HC</div>		
	Site: PPG - Jersey City, NJ				
Start Date: 3/17/2004	Project: Site Investigation		Page: 3 of 3		
	Coordinates: X-611594.17 Y-683102.97		Depth of Boring: 35.00		
End Date: 3/17/2004	Elevation: 12.00		Geologist: R. Firely		
	Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>HE</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 3/17/2004		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611835.71 Y-683324.52		Depth of Boring: 12.00		
End Date: 3/17/2004		Elevation: 13.08		Geologist: R. Firely		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		ASPHALT: Asphalt	0.0 ppm		
		FILL: White and reddish brown (2.5YR 8/1 and 4/4) coarse to fine SAND, some med to fine gravel, trace silt/slag/CM/AM/asphalt (22'')/Reddish brown (5YR 4/3) fine SAND, little silt, trace med to fine gravel; trace olive brown (2.5Y 4/3) fine sand (COPR) (6'')		HE0.75	Cr+6, TI
2				HE2.5	Cr+6, TI
4		FILL: Brown, black, dark brown and reddish brown (7.5YR 4/2, 2.5/1, 3/2 and 2.5YR 4/4) SILT, trace fine sand		HE4.0	Cr+6, TI
				HE5.0	Cr+6, TI
6				HE6.0	TI
8		SILT: Reddish brown and weak red (2.5YR 4/2 and 4/4) SILT, some clay		HE8.0	TI
				HE11.0	TI
10					
12					

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		Client: PPG			BORING ID: HE	
		Site: PPG - Jersey City, NJ				
Start Date: 3/17/2004		Project: Site Investigation			Page: 2 of 2	
		Coordinates: X-611835.71 Y-683324.52			Depth of Boring: 12.00	
End Date: 3/17/2004		Elevation: 13.08			Geologist: R. Firely	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description			PID	Sample ID
Sample Parameters						

12

NULL: End of Boring at 12 ft.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>HH</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 3/17/2004		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611709.46 Y-683202.5		Depth of Boring: 12.00		
End Date: 3/17/2004		Elevation: 17.44		Geologist: R. Firely		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0

NOTES:

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		Client: PPG			BORING ID: HH		
		Site: PPG - Jersey City, NJ					
Start Date: 3/17/2004		Project: Site Investigation			Page: 2 of 2		
		Coordinates: X-611709.46 Y-683202.5			Depth of Boring: 12.00		
End Date: 3/17/2004		Elevation: 17.44			Geologist: R. Firely		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters








12

NULL: End of Boring at 12 ft.

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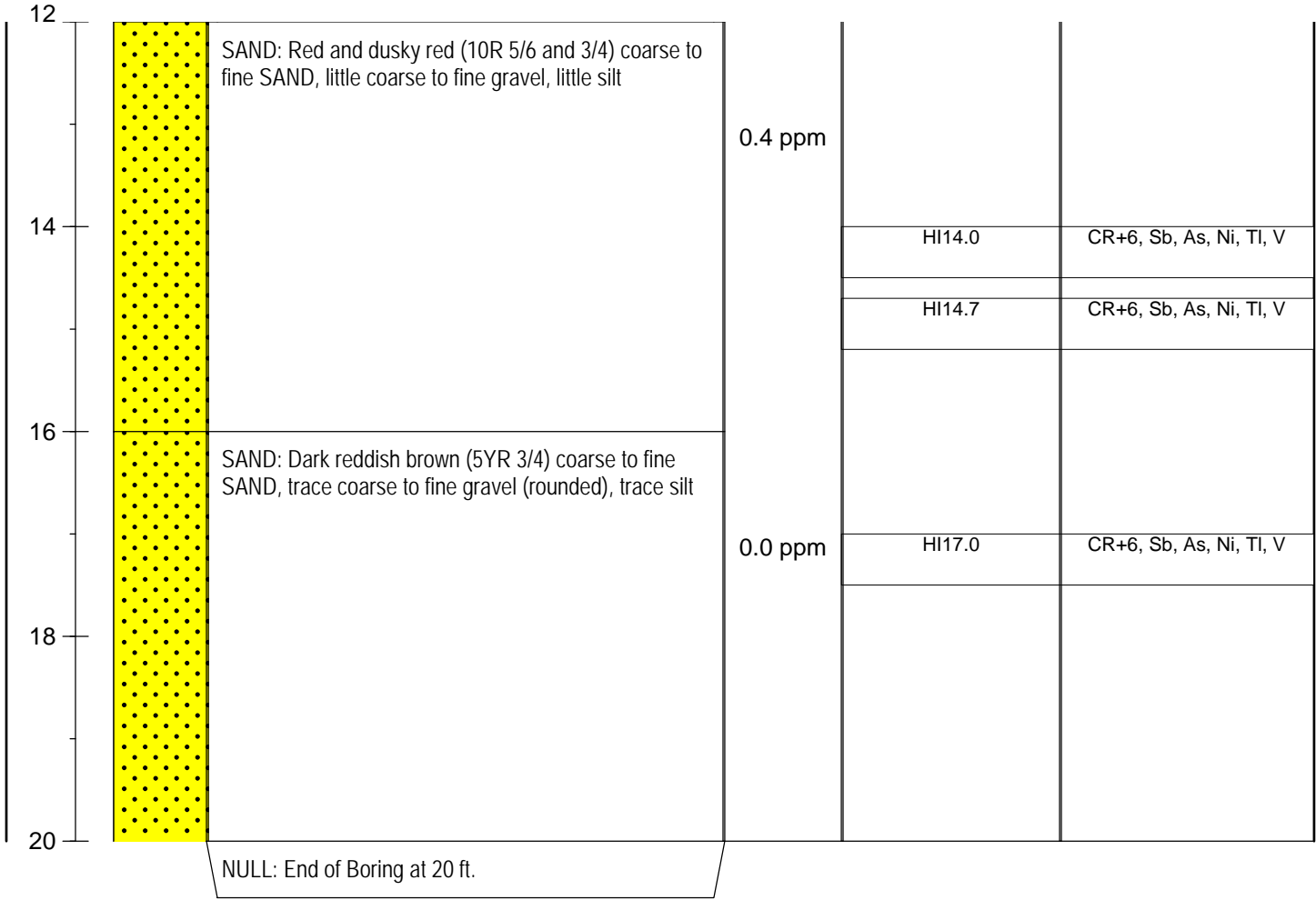
<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>HI</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 3/18/2004		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611376.47 Y-682874.9		Depth of Boring: 20.00		
End Date: 3/18/2004		Elevation: 10.91		Geologist: R. Firely		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		CEMENT: Concrete (2'')	13.3 ppm	HI0.3	CR+6, Sb, As, Ni, TI, V
2		FILL: Grayish brown (10 YR 5/2) coarse to fine SAND, little coarse-fine gravel, trace silt, trace crushed rock, dry (12.5'') Red and weak red (10R 4/6 and 2.5Y 4/2) Clayey SILT, trace fine sand, trace coal.		HI2.0	CR+6, Sb, As, Ni, TI, V
4		FILL: Mottled reddish gray, black, and reddish brown (2.5YR 5/1, 5YR 2.5/1 and 4/4) coarse to fine SAND, some coarse to fine, gravel, trace silt (coal ash) (14'')		HI4.0	CR+6, Sb, As, Ni, TI, V
6		FILL: Dusky red (2.5YR 3/2) coarse to fine SAND, trace coarse to fine gravel, trace silt, trace vegetation (6'')		HI5.0	CR+6, Sb, As, Ni, TI, V
8		CLAY: Very dark grayish brown (10YR 3/2) clayey SILT, wet (27'') Dark brown (2.5YR 3/2) coarse to fine SAND, little silt (6'')		HI7.0	CR+6, Sb, As, Ni, TI, V
10				HI9.0	CR+6, Sb, As, Ni, TI, V
12				HI10.1	CR+6, Sb, As, Ni, TI, V

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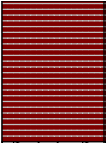


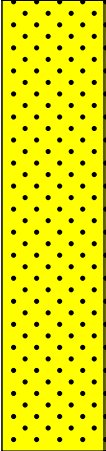
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		Site: PPG - Jersey City, NJ			
<div> <div>Start Date:</div> <div>3/18/2004</div> </div>	Project: Site Investigation		Page: 2 of 2		
	Coordinates: X-611376.47 Y-682874.9		Depth of Boring: 20.00		
<div> <div>End Date:</div> <div>3/18/2004</div> </div>	Elevation: 10.91		Geologist: R. Firely		
	Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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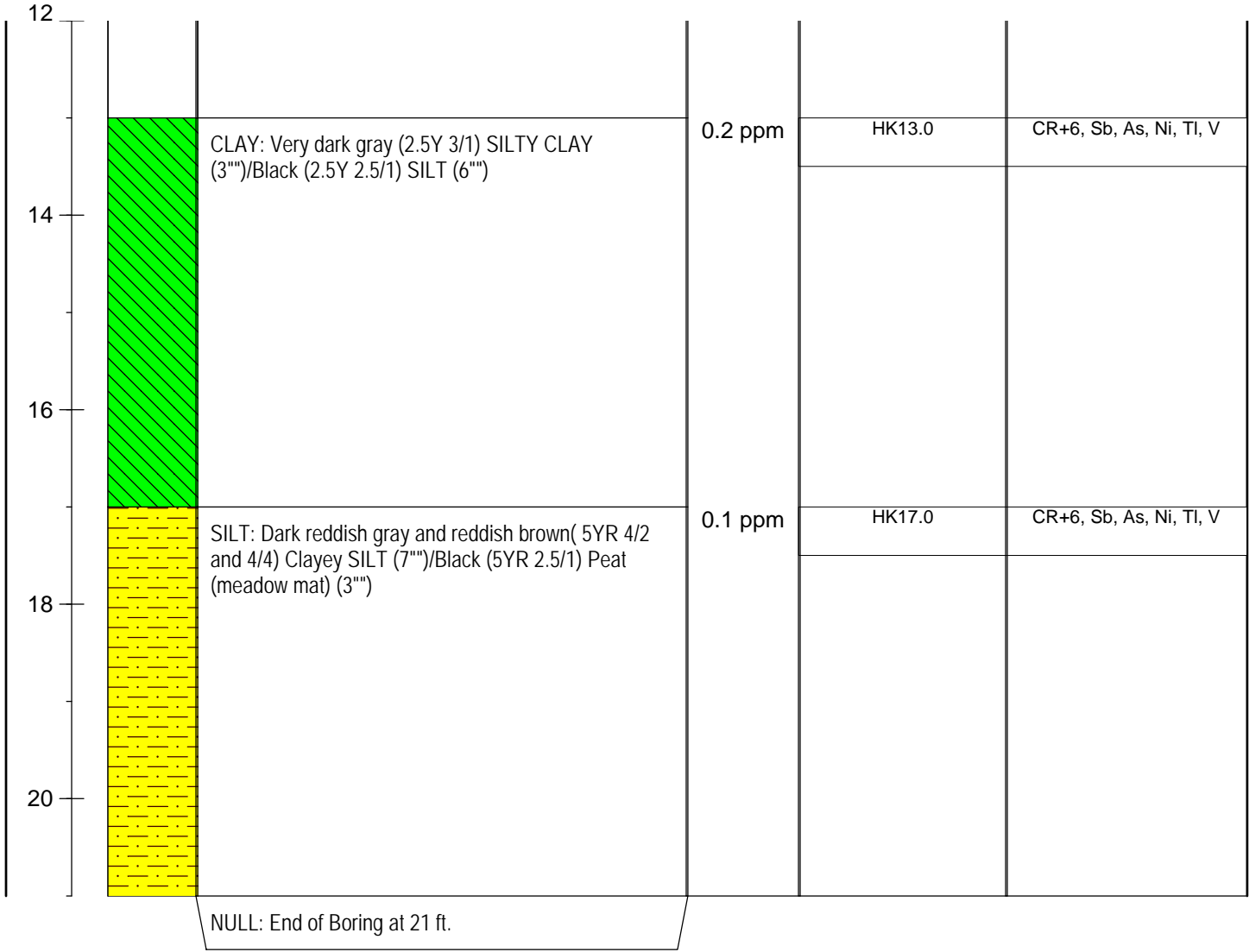
<div>ENSR AECOM</div>		Client: PPG		BORING ID: HK		
		Site: PPG - Jersey City, NJ				
Start Date: 3/18/2004		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611513.59 Y-683006.33		Depth of Boring: 21.00		
End Date: 3/18/2004		Elevation: 10.87		Geologist: R. Firely		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		ASPHALT: Asphalt/Crushed gravel	NA ppm		
		FILL: Pale brown (10YR 6/3) coarse to fine SAND, some coarse to fine gravel		HK1.25	CR+6, Sb, As, Ni, TI, V
2		NR: No Recovery			
		FILL: Dark grayish brown (10YR 4/2) medium to fine SAND		HK3.0	CR+6, Sb, As, Ni, TI, V
4		NR: No Recovery			
		SAND: Olive brown (2.5Y 4/3) coarse to fine SAND, little silt (15"/1000")/Black (2.5Y 2.5/1) coarse to fine GRAVEL, little coarse to fine sand, little silt, little shell fragments (13"/1000")		HK5.0	CR+6, Sb, As, Ni, TI, V
6					
				HK7.0	CR+6, Sb, As, Ni, TI, V
8					
		UNKNOWN: Black and light gray (2.5Y 2.5/1 and 7/1) SILTY CLAY, trace coarse to fine sand (6"/1000")/Light olive brown (2.5Y 5/3) fine SAND, with clay laminations (6"/1000")	0.2 ppm	HK9.0	CR+6, Sb, As, Ni, TI, V
10					
12					

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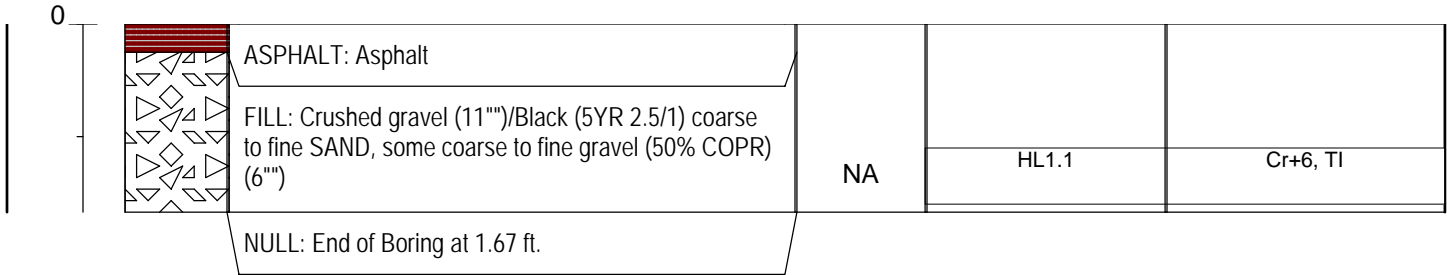
<div>ENSR AECOM</div>		Client: PPG		BORING ID: HK		
		Site: PPG - Jersey City, NJ				
Start Date: 3/18/2004		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-611513.59 Y-683006.33		Depth of Boring: 21.00		
End Date: 3/18/2004		Elevation: 10.87		Geologist: R. Firely		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters



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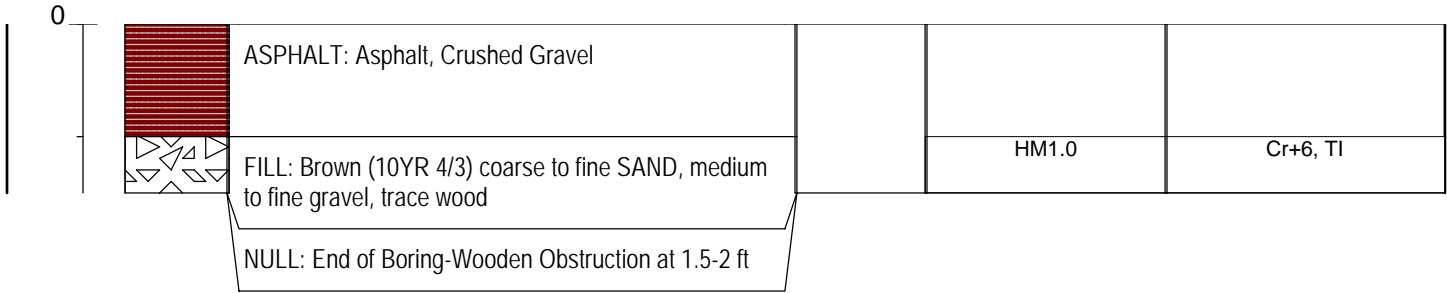
<div>ENSR AECOM</div>		Client: PPG		BORING ID: HL	
		Site: PPG - Jersey City, NJ			
Start Date: 3/18/2004		Project: Site Investigation		Page: 1 of 1	
		Coordinates: X-611834.24 Y-683314.08		Depth of Boring: 1.67	
End Date: 3/18/2004		Elevation: 12.03		Geologist: R. Firely	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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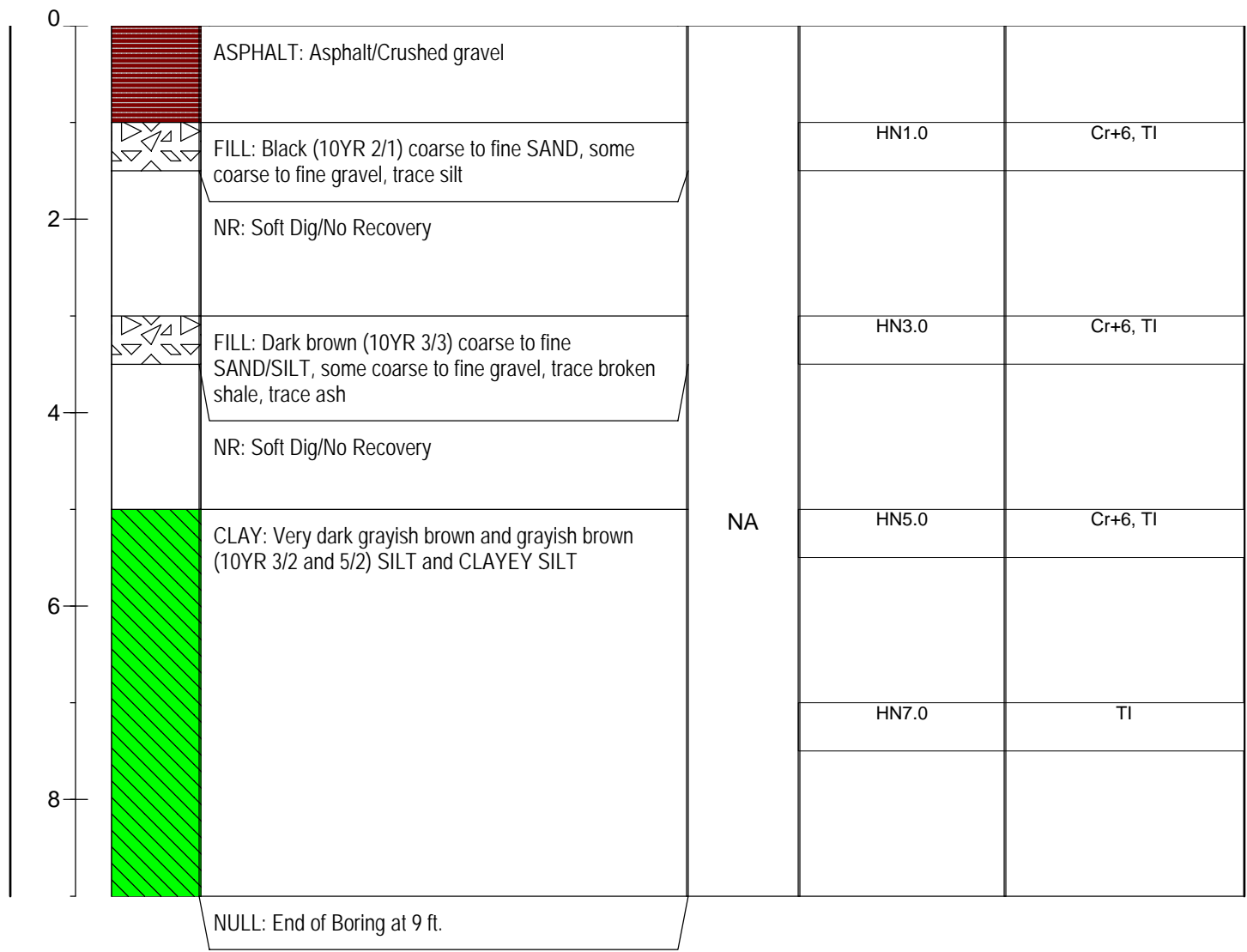
		Client: PPG	BORING ID: HM		
		Site: PPG - Jersey City, NJ			
Start Date: 3/18/2004	Project: Site Investigation		Page: 1 of 1		
	Coordinates: X-611843.06 Y-683307.44		Depth of Boring: 1.50		
End Date: 3/18/2004	Elevation: 13.12		Geologist: R. Firely		
	Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG		BORING ID: HN		
		Site: PPG - Jersey City, NJ				
Start Date: 3/18/2004		Project: Site Investigation		Page: 1 of 1		
		Coordinates: X-611850.06 Y-683306.36		Depth of Boring: 9.00		
End Date: 3/18/2004		Elevation: 13.73		Geologist: R. Firely		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters



NOTES:

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<div>ENSR AECOM</div>		Client: PPG			BORING ID: MW10A		
		Site: PPG - Jersey City, NJ					
Start Date: 10/17/2005		Project: Site Investigation			Page: 1 of 2		
		Coordinates: X-611337.6 Y-683377.6			Depth of Boring: 16.00		
End Date: 10/17/2005		Elevation: 15.81			Geologist: Sherman, D		
		Drill Subcontractor: Ameridrill			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		FILL: Reddish Black (5YR 2.5/1) coarse-medium GRAVEL, some Brick, little fine-coarse Sand, trace Silt	0.1-0.3 ppm	MW10AA	Cr+6, XRD/XRF
2		FILL: Very Dark Brown (7.5YR 2.5/3) SILT, some Clayey Silt	0.3-92.6 ppm	MW10AB	Cr+6, XRD/XRF
4		FILL: Waste Mud (5Y 7/1)		MW10AC	Cr+6, XRD/XRF
		FILL: Dusky Red (10R 3/2) SILTY GRAVEL, 90% COPR		MW10AD	Cr+6, XRD/XRF
		FILL: No Recovery			
6		FILL: Dark Reddish Brown (5YR 3/4) SILTY GRAVEL, some fine-coarse Sand, 80-90% COPR, wet at 6.0'	N/A	MW10AE	Cr+6, XRD/XRF
8		FILL: Black (5YR 2.5/1) fine GRAVEL, some fine-coarse Sand, 50% COPR. Wet.	0.8-1.3 ppm		
			0.8-1.4 ppm		
10		FILL: Black (5YR 2.5/1) fine GRAVEL, some fine-coarse Sand, little Silty Clay, 10% COPR. Wet.	1.9-3.5 ppm	MW10AF	Cr+6, XRD/XRF
12					

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: MW10A		
		Site: PPG - Jersey City, NJ			
Start Date: 10/17/2005		Project: Site Investigation	Page: 2 of 2		
		Coordinates: X-611337.6 Y-683377.6	Depth of Boring: 16.00		
End Date: 10/17/2005		Elevation: 15.81	Geologist: Sherman, D		
		Drill Subcontractor: Ameridrill	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

<div> <div>12</div> <div>14</div> <div>16</div> </div>		FILL: Reddish Black (5YR 2.5/1) fine GRAVEL, some medium-coarse Sand, little Sandy Silt, wet. 100% COPR, oily, possibly coal tar.	0.6-0.8 ppm		
		FILL: Reddish Black (5YR 2.5/1) fine GRAVEL, some medium-coarse Sand, oily coal tar NAPL, strong Hydrocarbon odor.		MW10AG	Cr+6, XRD/XRF
		PEAT: Dark Reddish Brown (5YR 3/2) PEAT	53-131 ppm		
		NULL: End of Boring at 16 ft.		MW10AH	Cr+6, XRD/XRF

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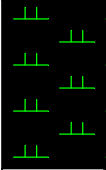
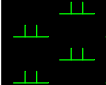
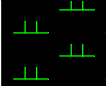

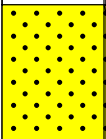
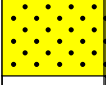
<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW11B		
		Site: PPG - Jersey City, NJ				
Start Date: 10/18/2005		Project: Site Investigation		Page: 1 of 4		
		Coordinates: X-611383.9 Y-683597.5		Depth of Boring: 36.00		
End Date: 11/7/2005		Elevation: 17.18		Geologist: Sherman, D		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		FILL: Brownish yellow (10YR 6/8) fine SAND, some sandy silt, little fine gravel	0.0 ppm		
2		FILL: Very dark brown (10YR 2/2) fine to coarse SAND, some fine gravel, pebbles	0.0 ppm		
		NR: No Recovery			
		FILL: Olive yellow (5YR 6/6) PEBBLES, some fine gravel, little wood			
4		FILL: Dusky red (10R 3/2) fine to coarse SAND, some gravel, trace silt, 100% COPR	0.0 ppm		
		NR: No Recovery			
		FILL: Dusky red (10R 3/3) fine SAND, some silty sand, 100% COPR, nodules			
6		NR: No Recovery	0.0 ppm		
		FILL: Dusky red (10R 3/3) COBBLE, trace fine sand, 100% COPR			
		NR: No Recovery			
8		FILL: Very dark greenish gray (GLEY 1 3/1) WOOD and BRICK	0.0 ppm		
		FILL: Dusky red (10R 3/2) fine GRAVEL, some medium to coarse sand, little sandy silt, 100% COPR nodules			
10		FILL: Dusky Red (10R 3/2) fine GRAVEL, some medium to coarse Sand, little Sandy Silt, wet. 100% COPR Nodules	0.0 ppm		
		NR: No Recovery			
12		FILL: Black (GLEY 1 2.5/N) fine to medium GRAVEL,			

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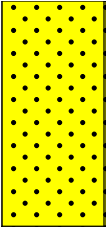
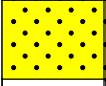
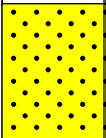
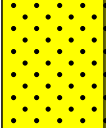
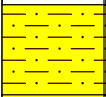
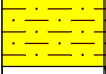
<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW11B		
		Site: PPG - Jersey City, NJ				
Start Date: 10/18/2005		Project: Site Investigation		Page: 2 of 4		
		Coordinates: X-611383.9 Y-683597.5		Depth of Boring: 36.00		
End Date: 11/7/2005		Elevation: 17.18		Geologist: Sherman, D		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		some medium to coarse sand, little wood fragments	0.0 ppm		
		NR: No Recovery			
		FILL: Black (GLEY 1 2.5/N) coarse GRAVEL, Some pebbles, little fine to coarse sand, 70% COPR, 30% waste mud			
14		NR: No Recovery	0.0 ppm		
		FILL: Very dusky red (10R 2.5/2) WOOD, some fine to coarse sand, some fine gravel, little silt			
		NR: No Recovery			
16		PEAT: Very Dark Brown (7.5YR 2.5/3) PEAT	0.0 ppm		
		NR: No Recovery		MW11BBA0	Cr+6, XRD/XRF
18		PEAT: Brown (7.5YR 4/3) PEAT, some cobbles, little clayey silt			
		NR: No Recovery			
20		PEAT: Brown (7.5YR 4/3) PEAT, some clayey silt, little fine gravel			
		SAND: Dusky red (10R 3/3) fine to coarse SAND, some sandy silt, little clayey silt and fine gravel, trace pebbles		MW11BB	Cr+6, XRD/XRF
22		NR: No Recovery			
		SAND: Weak red (10R 4/4) fine to coarse SAND, some fine gravel, little pebbles and cobbles			
		NR: No Recovery			
24					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW11B		
		Site: PPG - Jersey City, NJ				
Start Date: 10/18/2005		Project: Site Investigation		Page: 3 of 4		
		Coordinates: X-611383.9 Y-683597.5		Depth of Boring: 36.00		
End Date: 11/7/2005		Elevation: 17.18		Geologist: Sherman, D		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

24		SAND: Dusky Red (10R 3/4) fine to coarse SAND, little fine gravel, trace pebbles and cobbles			
26		SAND: Dusky Red (10R 3/4) fine to coarse SAND, little fine gravel, trace silty sand			
		NR: No Recovery			
28		SAND: Yellowish red (5YR 4/6) fine SAND, some medium sand, trace silty sand			
		NR: No Recovery			
30		SAND: Yellowish red (5YR 4/6) fine SAND, some to little silt		MW11BD	Cr+6, XRD/XRF
		NR: No Recovery			
32		NR: No Recovery		MW11BE	Cr+6, XRD/XRF
34		SILT: Yellowish red (5Y 4/6) sandy SILT, trace fine sand		MW11BF	Cr+6, XRD/XRF
		SILT: Dark reddish gray (5Y 4/2) clayey SILT, little to trace fine sand		MW11BG	Cr+6, XRD/XRF
36		NR: No Recovery			

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		Client: PPG			BORING ID: MW11B		
		Site: PPG - Jersey City, NJ					
Start Date: 10/18/2005		Project: Site Investigation			Page: 4 of 4		
		Coordinates: X-611383.9 Y-683597.5			Depth of Boring: 36.00		
End Date: 11/7/2005		Elevation: 17.18			Geologist: Sherman, D		
		Drill Subcontractor: Ameridrill			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

36

NULL: End of Boring at 36 ft.

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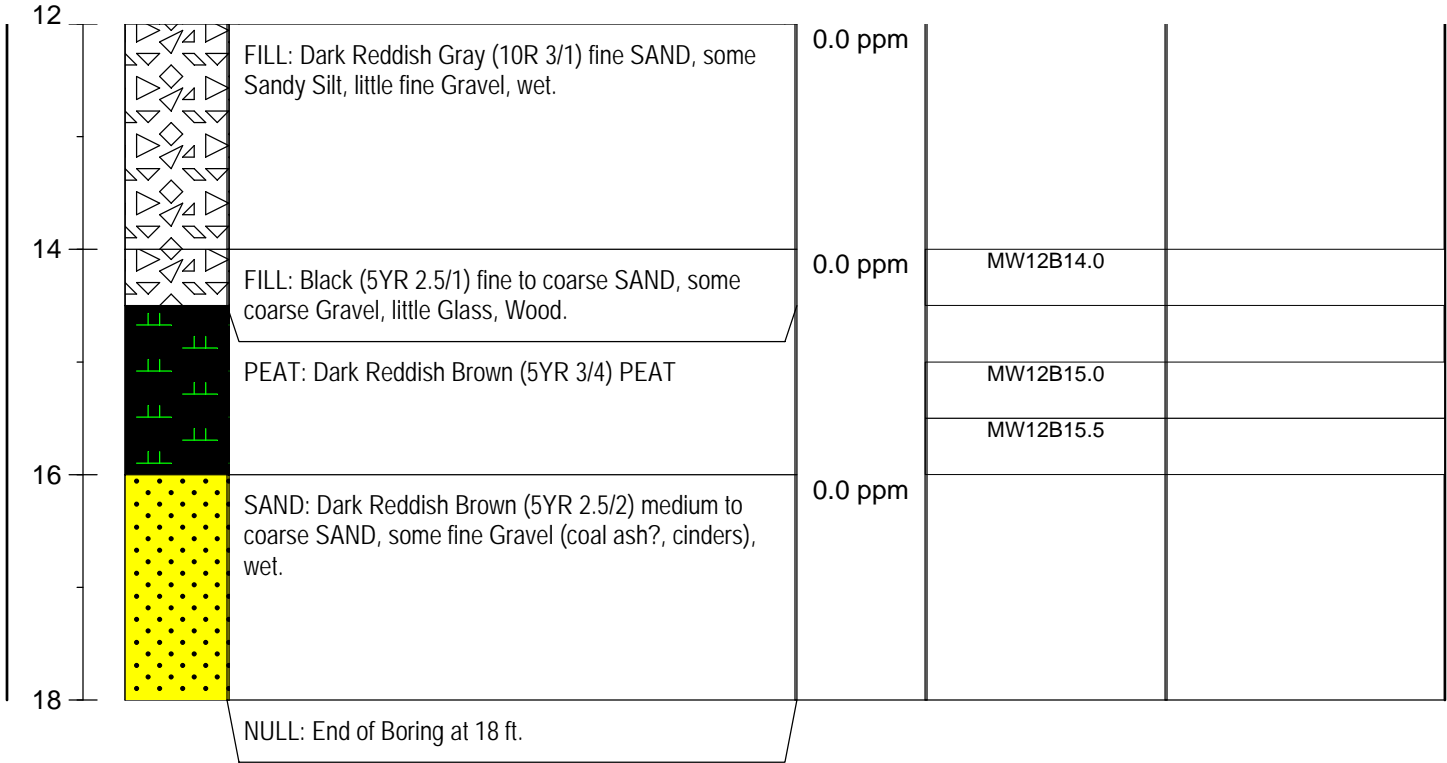
<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: MW12B		
		Site: PPG - Jersey City, NJ			
Start Date: 10/18/2005		Project: Site Investigation	Page: 1 of 2		
		Coordinates: X-611003.21 Y-683410.61	Depth of Boring: 18.00		
End Date: 10/18/2005		Elevation: 14.38	Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: Brownish Yellow (10YR 6/8) fine to medium SAND, well-sorted	0.0 ppm	MW12B0.0	
		FILL: Dusky Red (10R 3/3) CLAYEY SILT, some fine Sand, little Gravel			
2		FILL: Pale Olive (5Y 6/4) fine SAND, some Silt, Waste Mud	0.0 ppm	MW12B2.0	
		FILL: Olive (5Y 5/3) fine SAND, some Sandy Silt, Waste Mud, wet.			
4		FILL: Light Olive Gray (5Y 6/2) fine to medium SAND. 50% COPR, 50% Waste Mud.	0.0 ppm		
		FILL: Olive (5Y 4/3) medium to coarse SAND, some Gravel, little Sandy Silt, wet. 70% COPR, 30% Waste Mud			
6		FILL: (5Y 5/3) fine-medium SAND, some Gravel. 70% COPR	0.0 ppm	MW12B6.0	
		FILL: Dark Yellowish Brown (10YR 4/4) fine SAND, some Silt, little fine Gravel, wet.			
8		FILL: Very Dark Greenish Brown (2.5Y 3/2) fine SAND, some fine Gravel, Pebbles, little Sandy Silt, wet.	0.0 ppm		
10		FILL: Black (2.5Y 2.5/1) fine SAND, some Sandy Silt, little Gravel, wet.	0.0 ppm	MW12B10.0	
12					

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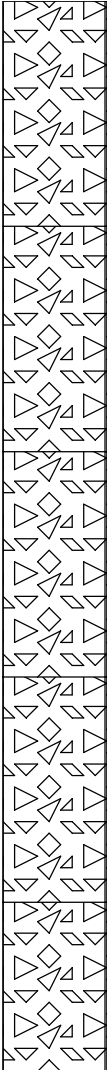
<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: MW12B		
		Site: PPG - Jersey City, NJ			
Start Date: 10/18/2005	Project: Site Investigation		Page: 2 of 2		
	Coordinates: X-611003.21 Y-683410.61		Depth of Boring: 18.00		
End Date: 10/18/2005	Elevation: 14.38		Geologist: D. Sherman		
	Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG			BORING ID: MW1A		
		Site: PPG - Jersey City, NJ					
Start Date: 11/18/2003		Project: Site Investigation			Page: 1 of 2		
		Coordinates: X-610815.64 Y-683479.26			Depth of Boring: 12.00		
End Date: 11/18/2003		Elevation: 13.17			Geologist: D. Sherman		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		FILL: Dark brown (10YR 3/3) GRAVEL, some coarse to fine sand, cement, concrete, brick, cinder	0.0 ppm		
2		FILL: Dark brown (10YR 3/3) SILT, some fine sand, little gravel, clinker, cinder, 10% COPR	0.0 ppm	MW-1A2.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs
			0.0 ppm		
4		FILL: Black (10YR 2/1) SILT, some fine sand, little gravel, cinder, slag, 20%COPR, brick	0.0 ppm		
			0.0 ppm		
6		FILL: Black (10YR 2/1) SILT, little coarse to fine sand and gravel, cinder, clinker, cement, 20% COPR	0.0 ppm		
			0.0 ppm		
8		FILL: Reddish brown (5YR 5/3) SILT, little fine sand, clinker, wood, cinder	0.0 ppm	MW-1A8.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs
			0.0 ppm		
10		SILT: Dark gray (5YR 4/1) SILT, little clay, trace fine sand, native	0.0 ppm		
			0.0 ppm		
12					

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		Client: PPG	BORING ID: MW1A		
		Site: PPG - Jersey City, NJ			
Start Date: 11/18/2003		Project: Site Investigation	Page: 2 of 2		
		Coordinates: X-610815.64 Y-683479.26	Depth of Boring: 12.00		
End Date: 11/18/2003		Elevation: 13.17	Geologist: D. Sherman		
		Drill Subcontractor: ADI	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12	NULL: End of Boring at 12 ft.
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ENSR AECOM	Client: PPG		BORING ID: MW1ABV		
	Site: PPG - Jersey City, NJ				
Start Date: 10/4/2005	Project: Site Investigation		Page: 1 of 4		
	Coordinates: X-610812 Y-683484		Depth of Boring: 40.00		
End Date: 10/4/2005	Elevation: 13.00		Geologist: Richard Firely		
	Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		UNKNOWN: 0 - 12 ft. Not logged			
2					
4					
6					
8					
10					
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW1ABV	
		Site: PPG - Jersey City, NJ			
Start Date: 10/4/2005		Project: Site Investigation		Page: 2 of 4	
		Coordinates: X-610812 Y-683484		Depth of Boring: 40.00	
End Date: 10/4/2005		Elevation: 13.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		PEAT: Black (7.5YR 2.5/1) peat	0 ppm	MW1ABVA	Zn
14		SILT: Dark gray (7.5YR 4/1) silt, trace clay and fine sand, cohesive	0 ppm		
		SILT: Reddish brown (2.5YR 4/4) silt and fine to medium gravel, trace fine sand, slight cohesive	0 ppm		
		SAND: Reddish brown (2.5YR 4/4) fine to medium sand, trace fine gravel, loose	0 ppm		
		NR: No recovery			
16		SILTY SAND: Dark reddish brown (2.5YR 3/4) fine sand, silt, and fine gravel, trace medium to coarse gravel, loose	0 ppm	MW1ABVB	Zn
		GRAVEL: Light red (2.5YR 6/6) coarse gravel, loose	0 ppm		
18		SILTY SAND: Dark reddish brown (2.5YR 3/4) fine sand, silt, and fine gravel, trace medium to coarse gravel, loose	0 ppm		
		SAND: Dark reddish brown (2.5YR 3/4) fine to medium sand, little fine to medium gravel, trace silt, loose	0 ppm		
		NR: No recovery			
20		SAND: Dark reddish brown (2.5YR 3/4) fine sand, loose	0 ppm	MW1ABVC	Zn
		GRAVEL: Dark reddish brown (2.5YR 3/4) medium to coarse gravel, trace silt, loose	0 ppm		
22		SILTY SAND: Dark reddish brown (2.5YR 3/4) fine sand and silt, trace fine to medium gravel, slight cohesive	0 ppm		
24		NR: No recovery	0 ppm		

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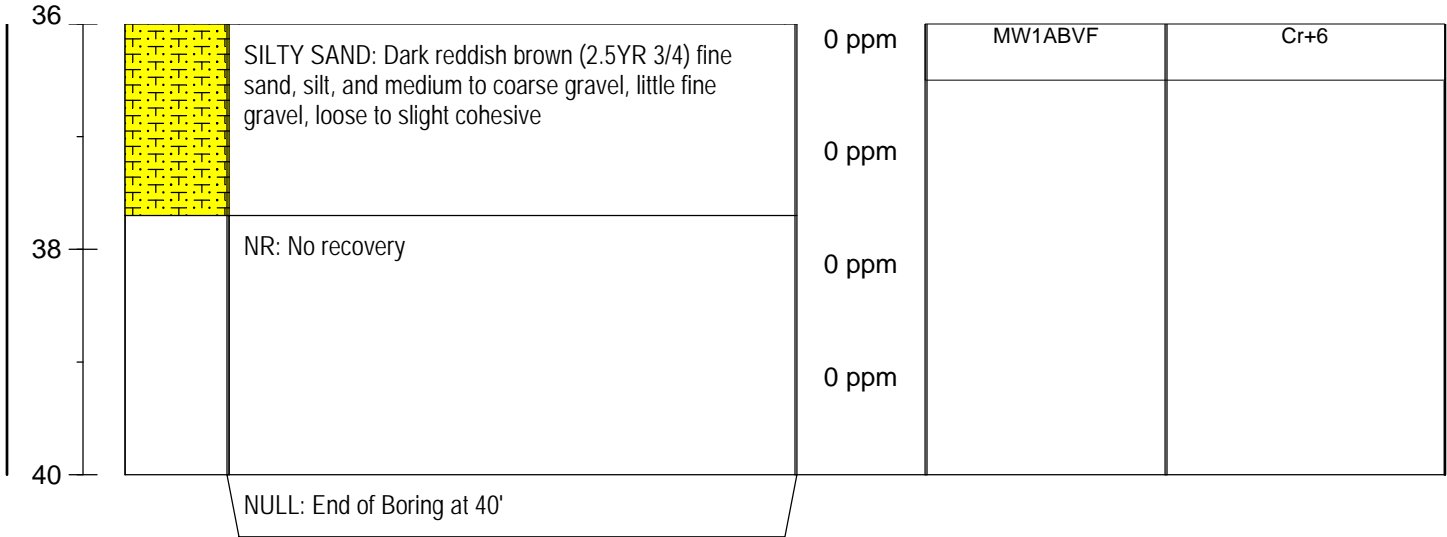
<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW1ABV	
		Site: PPG - Jersey City, NJ			
Start Date: 10/4/2005		Project: Site Investigation		Page: 3 of 4	
		Coordinates: X-610812 Y-683484		Depth of Boring: 40.00	
End Date: 10/4/2005		Elevation: 13.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

24		SILTY SAND: Dark reddish brown (2.5YR 3/4) fine sand and silt, trace fine to medium gravel, slight cohesive	0 ppm		
			0 ppm		
26		NR: No recovery	0 ppm		
			0 ppm		
28		SILTY SAND: Dark reddish brown (2.5YR 3/4) fine sand and silt, trace fine to medium gravel, coarse gravel at 28.9 to 29.0 feet, slight cohesive	0 ppm	MW1ABVD	Cr+6
			0 ppm		
30		SILTY SAND: Dark reddish brown (2.5YR 3/4) fine sand and silt, trace fine to coarse gravel, slight cohesive	0 ppm		
		NR: No recovery	0 ppm		
32		SILTY SAND: Dark reddish brown (2.5YR 3/4) fine sand, silt, and fine to coarse gravel, slight cohesive	0 ppm	MW1ABVE	Cr+6
			0 ppm		
34		NR: No recovery	0 ppm		
			0 ppm		
36					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW1ABV	
		Site: PPG - Jersey City, NJ			
Start Date: 10/4/2005		Project: Site Investigation		Page: 4 of 4	
		Coordinates: X-610812 Y-683484		Depth of Boring: 40.00	
End Date: 10/4/2005		Elevation: 13.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG			BORING ID: MW1B		
		Site: PPG - Jersey City, NJ					
Start Date: 8/5/2003		Project: Site Investigation			Page: 1 of 5		
		Coordinates: X-610819.61 Y-683486.85			Depth of Boring: 50.00		
End Date: 8/5/2003		Elevation: 14.38			Geologist: T. Rymar		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		FILL: Asphalt and road base			
		FILL: Fill, Dark Reddish Brown (2.5YR 3/4) and Greenish Gray (Gley1 5/1) Silt with Clay	0.0 ppm	MW-1B1.0	VOC, SVOC, TAL Metals, Cyanide, PCBs and Cr+6
			0.0 ppm		
2			0.0 ppm		
		FILL: Fill, COPR pellets			
		NR: No Recovery	0.0 ppm		
		FILL: Asphalt piece in tip of sampler			
4		NR: No Recovery			
		FILL: Fill, Dark Brown (10YR 3/3) Silt with COPR	0.0 ppm		
6		NR: No Recovery			
		FILL: SAA with Yellow (5Y 8/8) COPR precipitations	0.0 ppm	MW-1B7.0	TAL Metals, PCBs and Cr+6
		FILL: Fill, Brown (7.5YR 4/3) Silt and COPR	0.0 ppm		
8		NR: No Recovery			
		FILL: Fill, Brown (7.5YR 4/3) Silt and COPR	0.0 ppm		
		FILL: Black (2.5Y 2.5/1) Fine Sand and angular gravel up to 1/8	0.0 ppm		
10		FILL: Olive Gray (5Y 5/2) Fine sand	0.0 ppm		
		FILL: Dark Brown (10YR 3/3) silt and COPR			
		FILL: Grayish Green (Gley1 5/2) COPR precipitate			
12					

NOTES:

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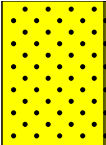

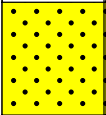
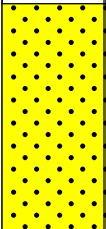
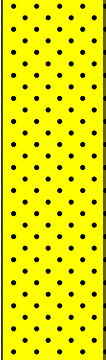
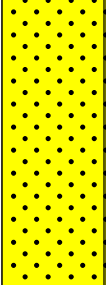

<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW1B		
		Site: PPG - Jersey City, NJ				
Start Date: 8/5/2003		Project: Site Investigation		Page: 2 of 5		
		Coordinates: X-610819.61 Y-683486.85		Depth of Boring: 50.00		
End Date: 8/5/2003		Elevation: 14.38		Geologist: T. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		NR: No Recovery	0.0 ppm	MW-1B12.5	VOC, SVOC, TAL Metals, Cyanide, PCBs and Cr+6
		FILL: Grayish Green (Gley1 5/2) COPR precipitate	1.0 ppm		
		FILL: Fill, Black stained organic fibers, glass, coal, rock	1.0 ppm		
14		NR: No Recovery	0.0 ppm	MW-1B14.0	VOC, SVOC, TAL Metals, Cyanide, PCBs and Cr+6
		SILT: Reddish Brown (5YR 4/3) Silt, fim	0.0 ppm		
16		NR: No Recovery	0.0 ppm		
		SILT: Reddish Brown (5YR 4/3) Silt, fim	0.0 ppm		
18		SILT: Yellowis Red (5YR 4/6) Silt	0.0 ppm		
20		NR: No Recovery	0.0 ppm		
		SAND: Yellowish Red (5YR 4/6) Fine to Medium Sand with pieces of angular rock up to 1	0.0 ppm		
22			0.0 ppm	MW-1B22.0	TAL Metals and Cr+6
		SAND: Reddish Brown (2.5YR 4/4) silty Fine to Coarse Sand, some angular rock	0.0 ppm		
24		NR: No Recovery	0.0 ppm		

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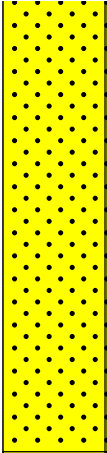
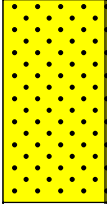
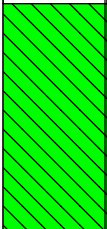
<div>ENSR AECOM</div>		Client: PPG			BORING ID: MW1B		
		Site: PPG - Jersey City, NJ					
Start Date: 8/5/2003		Project: Site Investigation			Page: 3 of 5		
		Coordinates: X-610819.61 Y-683486.85			Depth of Boring: 50.00		
End Date: 8/5/2003		Elevation: 14.38			Geologist: T. Rymar		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

24		SAND: Reddish Brown (2.5YR 4/4) silty Fine to Coarse Sand, some angular rock	0.0 ppm	MW-1B26.0	TAL Metals and Cr+6
			0.0 ppm		
			0.0 ppm		
26		NR: No Recovery	0.0 ppm	MW-1B26.0	TAL Metals and Cr+6
			0.0 ppm		
			0.0 ppm		
28		SAND: Reddish Brown (2.5YR 4/4) silty Fine to Medium Sand	0.0 ppm	MW-1B30.0	TAL Metals and Cr+6
			0.0 ppm		
			0.0 ppm		
30		SAND: Reddish Brown (2.5YR 4/4) silty Fine to Medium Sand	0.0 ppm	MW-1B34.0	TAL Metals and Cr+6
			0.0 ppm		
			0.0 ppm		
32			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
34			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
36			0.0 ppm		
			0.0 ppm		
			0.0 ppm		

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW1B		
		Site: PPG - Jersey City, NJ				
Start Date: 8/5/2003		Project: Site Investigation		Page: 4 of 5		
		Coordinates: X-610819.61 Y-683486.85		Depth of Boring: 50.00		
End Date: 8/5/2003		Elevation: 14.38		Geologist: T. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

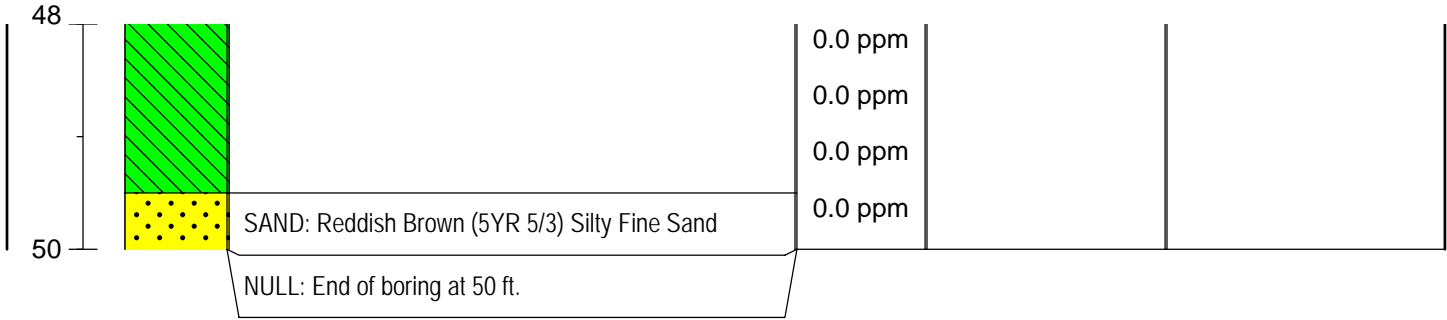
36			0.0 ppm	MW-1B38.0	TAL Metals and Cr+6
			0.0 ppm		
38			0.0 ppm		
			0.0 ppm		
40		SAND: SAA with some Gray (5Y 6/1) Clay	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
42		NR: No Recovery		MW-1B42.0	VOC, SVOC, TAL Metals, Cyanide, PCBs and Cr+6
44		CLAY: Grayish Brown (10YR 5/2) Silty Clay	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
46			0.0 ppm		
48					

NOTES:

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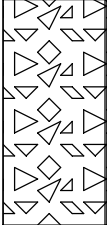
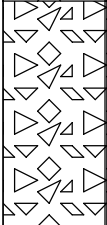
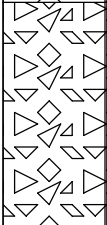
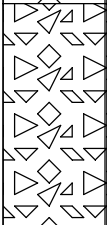
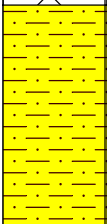
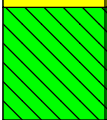
<div>ENSR AECOM</div>		Client: PPG			BORING ID: MW1B		
		Site: PPG - Jersey City, NJ					
Start Date: 8/5/2003		Project: Site Investigation			Page: 5 of 5		
		Coordinates: X-610819.61 Y-683486.85			Depth of Boring: 50.00		
End Date: 8/5/2003		Elevation: 14.38			Geologist: T. Rymar		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters



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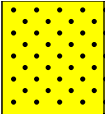
<div>ENSR AECOM</div>		Client: PPG			BORING ID: MW2A		
		Site: PPG - Jersey City, NJ					
Start Date: 11/14/2003		Project: Site Investigation			Page: 1 of 2		
		Coordinates: X-610960.36 Y-683738.97			Depth of Boring: 13.00		
End Date: 11/14/2003		Elevation: 13.54			Geologist: D. Sherman		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		ASPHALT: Asphalt (0-6"")			
		FILL: Wood (6"-"12"")	0.0 ppm	MW-2A1.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs
2		FILL: Dark yellowish brown (10YR 4/4) coarse to fine SAND, some silt, little gravel, wood, soda ash-like, root, cinder, 50% COPR	0.0 ppm		
4		FILL: Reddish brown (5YR 4/3) of SAND, some gravel, trace silt. Fill is 90% COPR, soda ash-like with some lime green Cr+6 leachate staining	0.0 ppm		
6		FILL: Dark greenish gray (GLE Y 4/1) SAND, some gravel, trace silt, wood, cardboard, cinder, slag, 10% COPR	0.0 ppm		
8		FILL: Dark brown (7.5YR 3/4) SILT, some fine sand, cinder, wood, sodash-like with trace COPR	0.0 ppm 0.6 ppm 0.8 ppm	MW-2A7.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs
10		SILT: Very dark brown (7.5 YR 2.5/3) SILT, some clay, organic material, soft	0.2 ppm 0.0 ppm	MW-2A9.0	Grain Size
12		CLAY: Very dark brown (7.5YR 2.5/3) SILT and CLAY, soft	0.0 ppm		

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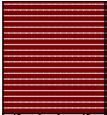









		Client: PPG		BORING ID: MW2A	
		Site: PPG - Jersey City, NJ			
Start Date: 11/14/2003		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-610960.36 Y-683738.97		Depth of Boring: 13.00	
End Date: 11/14/2003		Elevation: 13.54		Geologist: D. Sherman	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		SAND: Strong brown (7.5YR 5/6) coarse to fine SAND, some gravel, little cobble			
NULL: End of Boring at 13 ft.					

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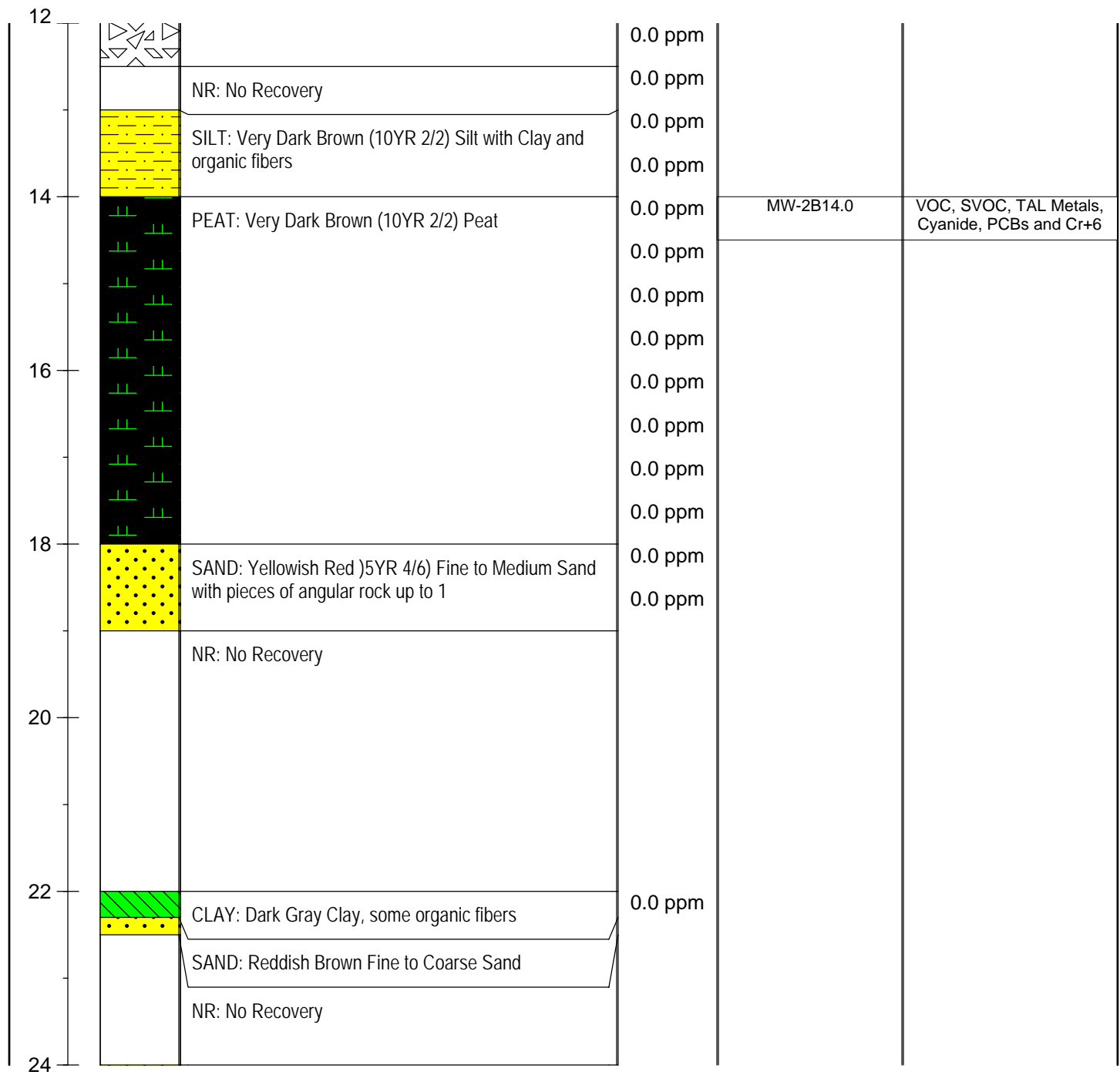
<div>ENSR AECOM</div>		Client: PPG			BORING ID: MW2B		
		Site: PPG - Jersey City, NJ					
Start Date: 8/6/2003		Project: Site Investigation			Page: 1 of 4		
		Coordinates: X-610963.92 Y-683743.79			Depth of Boring: 46.00		
End Date: 8/6/2003		Elevation: 11.03			Geologist: T. Rymar		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		ASPHALT: Asphalt and road base			
		FILL: Reddish Black (2.5YR 2.5/1) Silty Fine Sand and COPR	0.0 ppm	MW-2B1.0	VOC, SVOC, TAL Metals, Cyanide, PCBs and Cr+6
			0.0 ppm		
2		FILL: Fill, Brown (10YR 4/3) Silty Fine Sand with angular rock 1/8" to 1/2			
		NR: No Recovery	0.0 ppm		
		FILL: Fill, Dark Reddish Brown (2.5YR 3/4) and Greenish Gray (Gley1 5/1) Silt with Clay and COPR	0.0 ppm	MW-2B3.5	VOC, SVOC, TAL Metals, Cyanide, PCBs and Cr+6
4		NR: No Recovery			
		FILL: Fill, Very Dark Grayish Brown (10YR 3/2) Silty Fine Sand with pieces of brick and coal and Yellow (10YR 8/8) COPR precipitate	0.0 ppm		
6		NR: No Recovery	0.0 ppm		
		FILL: Fill, Very Dark Grayish Brown (10YR 3/2) Silty Fine Sand with pieces of brick and coal and Yellow (10YR 8/8) COPR precipitate	0.0 ppm		
8		NR: No Recovery	0.0 ppm		
		FILL: Fill, Very Dark Grayish Brown (10YR 3/2) Silty Fine Sand with pieces of brick and coal and Yellow (10YR 8/8) COPR precipitate	0.0 ppm	MW-2B8.0	TAL Metals, PCBs and Cr+6
			0.0 ppm		
		FILL: Fill, Dark Brown (10YR 3/3) Silty Fine Sand with coal and gravel pieces	0.0 ppm		
10		NR: No Recovery	0.0 ppm		
		FILL: Gray (10YR 5/1) Silty Fine Sand with Yellow (10yr 8/8) COPR precipitate	0.0 ppm		
		NR: No Recovery	0.0 ppm		
		FILL: Gray (10YR 5/1) Silty Fine Sand with Yellow (10yr 8/8) COPR precipitate	0.0 ppm		
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW2B		
		Site: PPG - Jersey City, NJ				
Start Date: 8/6/2003		Project: Site Investigation		Page: 2 of 4		
		Coordinates: X-610963.92 Y-683743.79		Depth of Boring: 46.00		
End Date: 8/6/2003		Elevation: 11.03		Geologist: T. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

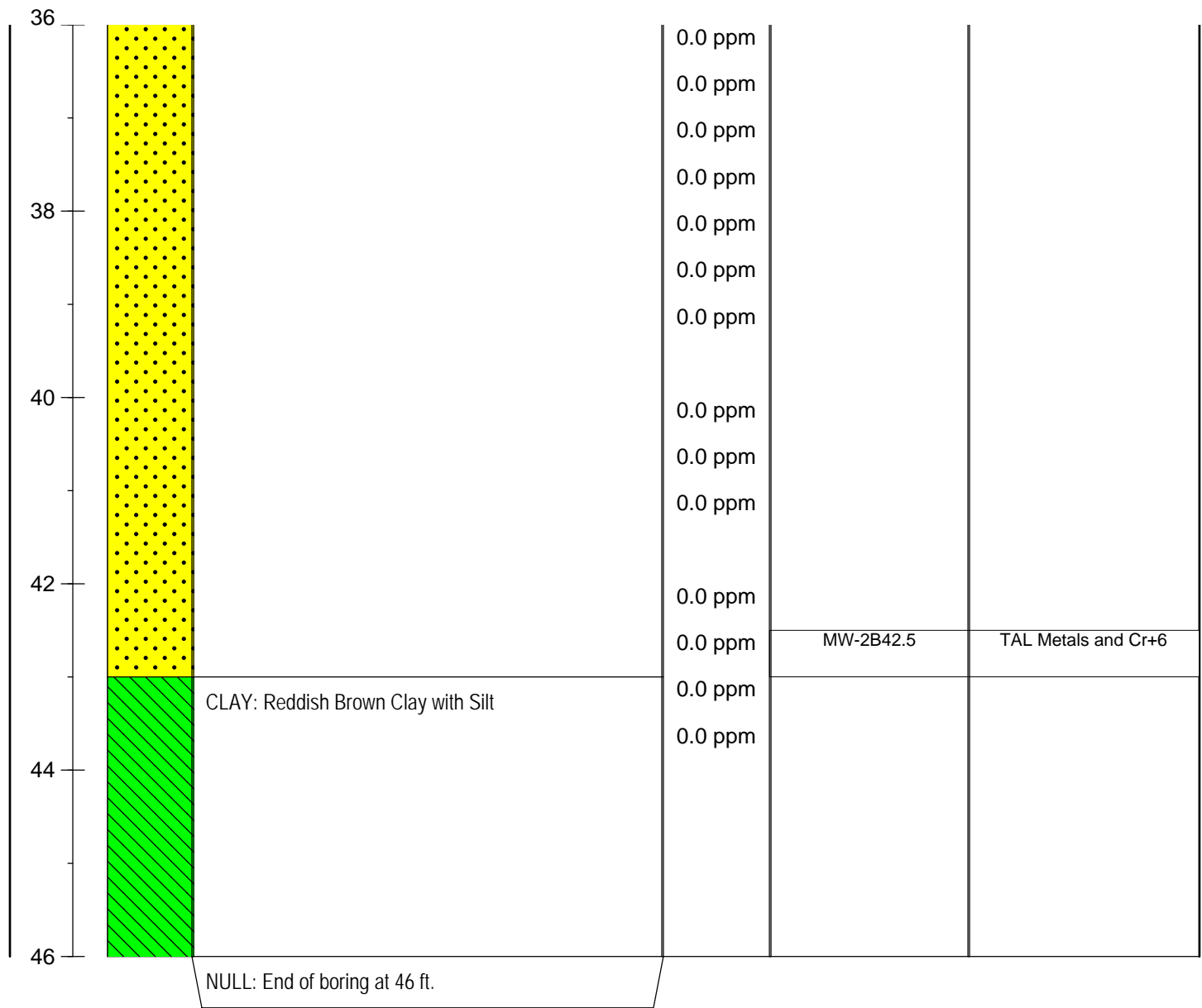


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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW2B		
		Site: PPG - Jersey City, NJ				
Start Date: 8/6/2003		Project: Site Investigation		Page: 4 of 4		
		Coordinates: X-610963.92 Y-683743.79		Depth of Boring: 46.00		
End Date: 8/6/2003		Elevation: 11.03		Geologist: T. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

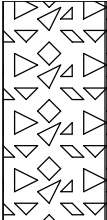
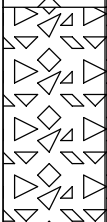
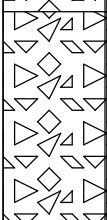
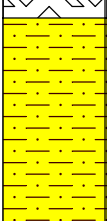
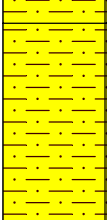
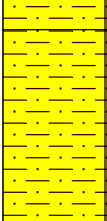


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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW3B		
		Site: PPG - Jersey City, NJ				
Start Date: 11/17/2003		Project: Site Investigation		Page: 1 of 5		
		Coordinates: X-611160.67 Y-683929.35		Depth of Boring: 50.00		
End Date: 11/17/2003		Elevation: 18.72		Geologist: D. Sherman		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

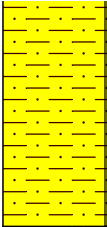
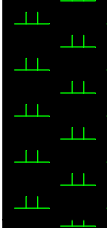
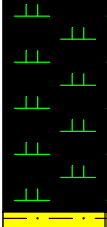
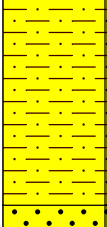
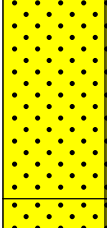
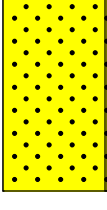
0		FILL: Black (7.5YR 2.5/1) coarse to fine SAND, some gravel, cinder glass, brick, slag			
2		FILL: Very dark brown (7.5YR 2.5/3) SILT and fine SAND, some gravel, little clay, clinker, brick, wood, ash	0.0 ppm	MW-3B2.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs, Pesticides
4		FILL: Light gray (7.5YR 7/1) coarse to fine SAND, some gravel, little silt, clinker, wood, slag, cinder, 20% COPR	0.0 ppm	MW-3B4.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs, Pesticides
6		SILT: Reddish brown (5YR 5/4) SILT, some clay, mottling, native material	0.0 ppm		
8		SILT: Reddish brown (5YR 4/3) SILT, some clay, mottling, shells, native material	0.0 ppm		
10		SILT: Black (5YR 2.5/1) SILT, some clay, trace fine sand	0.0 ppm		
12					

NOTES:

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW3B		
		Site: PPG - Jersey City, NJ				
Start Date: 11/17/2003		Project: Site Investigation		Page: 2 of 5		
		Coordinates: X-611160.67 Y-683929.35		Depth of Boring: 50.00		
End Date: 11/17/2003		Elevation: 18.72		Geologist: D. Sherman		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

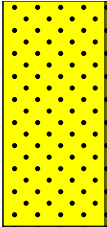
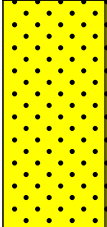
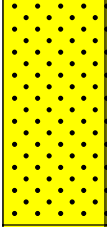
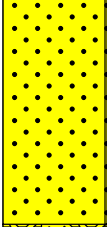
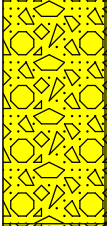
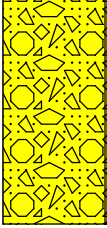
12			0.0 ppm	MW-3B13.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs, Pesticides
			0.0 ppm		
14		PEAT: Black (7.5YR 2.5/1) PEAT (meadow mat)	0.2 ppm		
16		PEAT: Dark greenish gray (2GLEY4/1) PEAT (meadow mat), some silt	N/A ppm		
18		SILT: Greenish gray (2GLEY 6/1) SILT, some fine sand, little gravel (reddish chunks of silt)	N/A ppm		
20		SAND: Reddish brown (2.5YR 4/4) coarse to fine SAND, well graded, fairly sorted	N/A ppm		
22		SAND: Dark brown (7.5YR 3/2) fine SAND, some medium sand, little silt	N/A ppm		
24					

NOTES:

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: MW3B		
		Site: PPG - Jersey City, NJ			
Start Date: 11/17/2003		Project: Site Investigation	Page: 3 of 5		
		Coordinates: X-611160.67 Y-683929.35	Depth of Boring: 50.00		
End Date: 11/17/2003		Elevation: 18.72	Geologist: D. Sherman		
		Drill Subcontractor: ADI	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

24		SAND: Reddish brown (5YR 4/3) coarse to fine SAND, some silt, trace gravel, poorly sorted	N/A ppm		
26		SAND: Red (2.5YR 4/6) SAND, some gravel (cobbles, pebbles, poorly sorted, well graded)	N/A ppm		
28			N/A ppm		
30		SAND: Reddish brown (2.5YR 4/4) medium to fine SAND, little gravel, trace silt, poorly sorted, well graded	N/A ppm		
32		GRAVEL: Red (2.5YR 4/6) GRAVEL (subangular pebbles, cobbles), some coarse to fine sand	N/A ppm		
34		GRAVEL: Red (2.5YR 4/6) GRAVEL (subangular to angular), some coarse to medium sand	N/A ppm		
36					

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<div>ENSR AECOM</div>		Client: PPG			BORING ID: MW3B		
		Site: PPG - Jersey City, NJ					
Start Date: 11/17/2003		Project: Site Investigation			Page: 4 of 5		
		Coordinates: X-611160.67 Y-683929.35			Depth of Boring: 50.00		
End Date: 11/17/2003		Elevation: 18.72			Geologist: D. Sherman		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

36		GRAVEL: Red (2.5YR 4/6) GRAVEL (subangular pebbles), some coarse to medium sand	N/A ppm		
38		GRAVEL: Reddish brown (5YR 4/4) GRAVEL (subangular, pebbles, cobbles), some coarse to medium sand	N/A ppm		
40		SAND: Reddish brown (5YR 4/4) coarse to fine SAND, some gravel (angular), trace silt, very well graded	N/A ppm		
42		GRAVEL: Reddish brown (5YR 4/4) GRAVEL, some silt, little coarse to fine sand, dense. Interspersed with Gray(1GLEY 5/1) silt lenses, very hard.	N/A ppm		
44		GRAVEL: Reddish brown (5YR 4/4) GRAVEL, some silt, little fine sand, dense, hard	N/A ppm		
46		SAND: Reddish brown (5YR 4/4) coarse to fine SAND, some gravel, little silt, hard	N/A ppm		
48					

NOTES:

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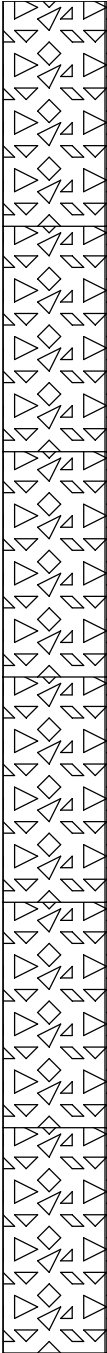
The image shows a geological log for Boring BH-1. The log is a horizontal bar with a vertical axis on the left indicating depth in feet. The depth ranges from 48 to 50 feet. The log is divided into three main sections: a soil profile section, a description section, and a data section. The soil profile section shows a yellow background with black dots representing sand. The description section contains the text: "SAND: Reddish brown (5YR 4/4) coarse to fine SAND, some gravel, trace silt, hard". The data section contains the text: "N/A ppm". A callout box at the bottom left indicates the end of the boring at 50 feet.

Depth (ft)	Soil Profile	Description	Data
48	SAND: Reddish brown (5YR 4/4) coarse to fine SAND, some gravel, trace silt, hard	N/A ppm	
50			

NULL: End of Boring at 50 ft.

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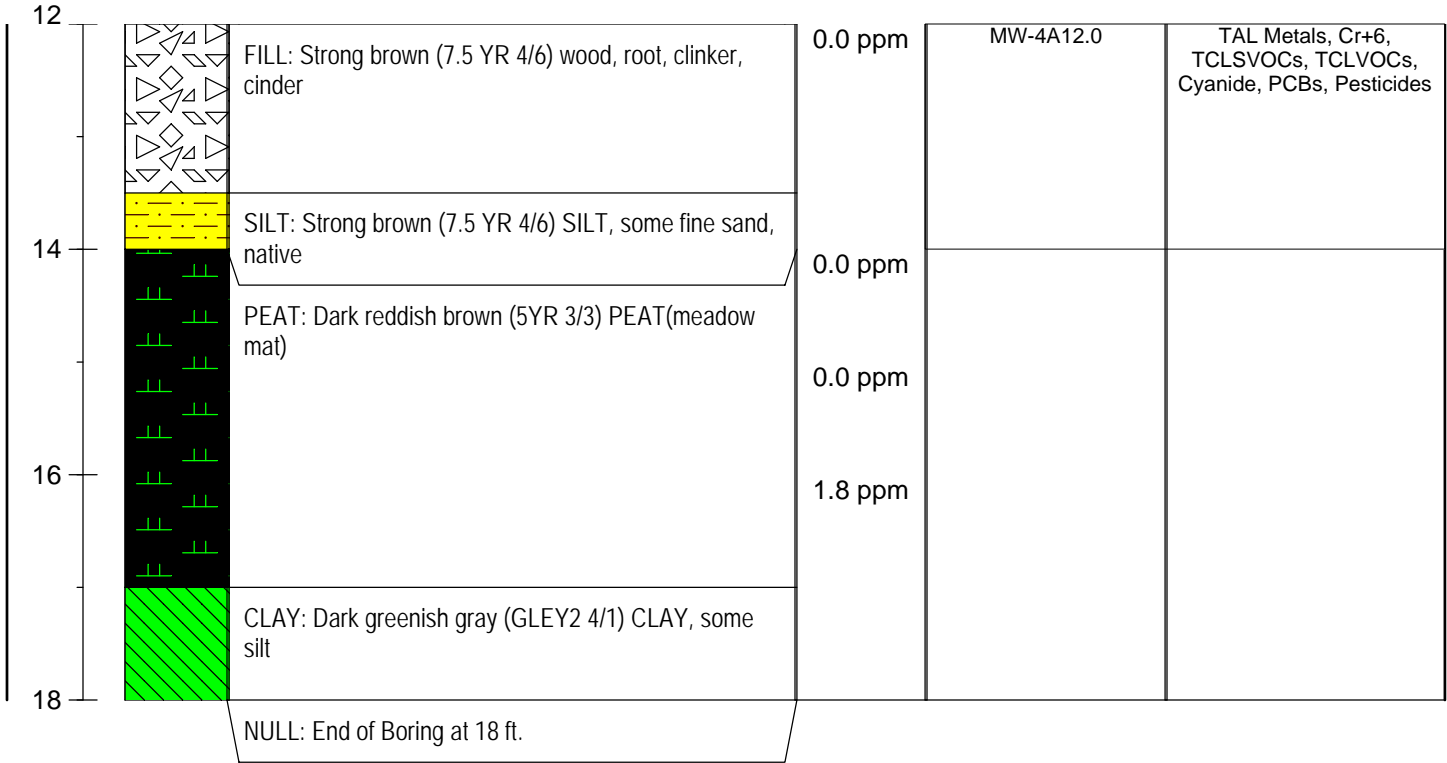
<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: MW4A		
		Site: PPG - Jersey City, NJ			
Start Date: 11/18/2003	Project: Site Investigation		Page: 1 of 2		
	Coordinates: X-610811.29 Y-683249.66		Depth of Boring: 18.00		
End Date: 11/18/2003	Elevation: 14.52		Geologist: D. Sherman		
	Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: Black medium to fine SAND, some silt, little gravel, cinder, brick clinker, 30% COPR			
2		FILL: Black to dark reddish brown (5YR 2.5/2) medium to fine SAND, some silt, cinder, clinker, shell, 20% COPR	0.0 ppm	MW-4A2.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs, Pesticides
4		FILL: Dark yellowish brown (10YR 3/4) coarse to fine SAND, some silt, trace gravel, clinker, brick, 50% COPR	0.0 ppm		
6		FILL: Reddish brown (2.5YR 4/3) coarse to fine SAND, some gravel and silt, trace clay, brick, clinker, 30% COPR, cinder	0.0 ppm		
8		FILL: Dark reddish brown (5YR 3/4) medium to fine SAND, some silt, wood, brick, clinker, 10% COPR	0.0 ppm		
10		FILL: Reddish black (2.5YR 2.5-1) fine SAND, some silt, little clay and medium sand, wood, brick, cinder	0.0 ppm		
12					

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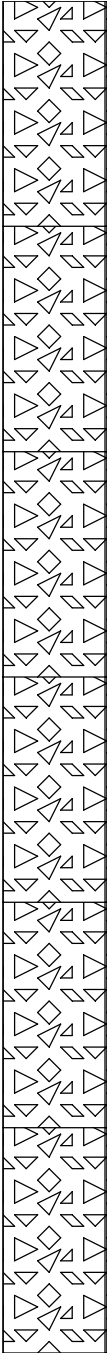
<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW4A		
		Site: PPG - Jersey City, NJ				
Start Date: 11/18/2003		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-610811.29 Y-683249.66		Depth of Boring: 18.00		
End Date: 11/18/2003		Elevation: 14.52		Geologist: D. Sherman		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters



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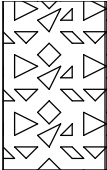
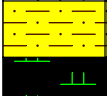
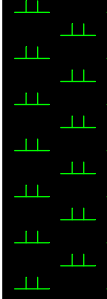
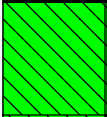
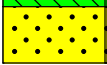
<div>ENSR AECOM</div>		Client: PPG			BORING ID: MW4B		
		Site: PPG - Jersey City, NJ					
Start Date: 12/3/2003		Project: Site Investigation			Page: 1 of 4		
		Coordinates: X-610816.71 Y-683246.98			Depth of Boring: 40.00		
End Date: 12/3/2003		Elevation: 14.65			Geologist: D. Sherman		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		FILL: Black medium to fine SAND, some silt, little gravel, cinder, brick clinker, 30% COPR			
2		FILL: Black to dark reddish brown (5YR 2.5/2) medium to fine SAND, some silt, cinder, clinker, shell, 20% COPR	0.0 ppm	MW-4B2.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs, Pesticides
4		FILL: Dark yellowish brown (10YR 3/4) coarse to fine SAND, some silt, trace gravel, clinker, brick, 50% COPR	0.0 ppm		
6		FILL: Reddish brown (2.5YR 4/3) coarse to fine SAND, some gravel and silt, trace clay, brick, clinker, 30% COPR, cinder	0.0 ppm		
8		FILL: Dark reddish brown (5YR 3/4) medium to fine SAND, some silt, wood, brick, clinker, 10% COPR	0.0 ppm		
10		FILL: Reddish black (2.5YR 2.5-1) fine SAND, some silt, little clay and medium sand, wood, brick, cinder	0.0 ppm		
12					

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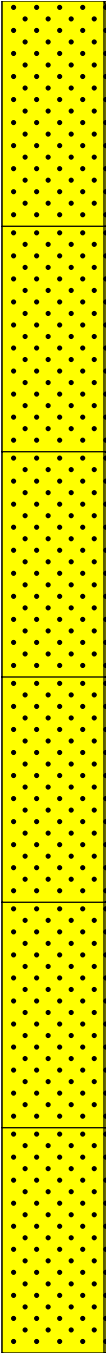
<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW4B		
		Site: PPG - Jersey City, NJ				
Start Date: 12/3/2003		Project: Site Investigation		Page: 2 of 4		
		Coordinates: X-610816.71 Y-683246.98		Depth of Boring: 40.00		
End Date: 12/3/2003		Elevation: 14.65		Geologist: D. Sherman		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Strong brown (7.5 YR 4/6) Wood, root, clinker, cinder	0.0 ppm	MW-4B12.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs, Pesticides
14		SILT: Strong brown (7.5 YR 4/6) SILT, some fine sand, native	0.0 ppm		
		PEAT: Dark reddish brown (5YR 3/3) PEAT(meadow mat)	0.0 ppm		
16			1.8 ppm		
		CLAY: Dark greenish gray (GLE Y2 4/1) CLAY, some silt	0.0 ppm		
18		CLAY: Greenish gray (GLE Y2 5/1) CLAY, some silt, little fine sand at 19.5" bgs	0.0 ppm		
20		CLAY: Dark greenish gray (GLE Y1 4/1) CLAY, some silt, native soft	0.0 ppm		
22			0.0 ppm		
24		SAND: Red (2.5YR 5/8) coarse to fine SAND, some			

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW4B		
		Site: PPG - Jersey City, NJ				
Start Date: 12/3/2003		Project: Site Investigation		Page: 3 of 4		
		Coordinates: X-610816.71 Y-683246.98		Depth of Boring: 40.00		
End Date: 12/3/2003		Elevation: 14.65		Geologist: D. Sherman		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

24		gravel SAND: Red (2.5YR 4/6) coarse to fine SAND, little gravel, till, fairly sorted	0.0 ppm		
26		SAND: Red (2.5YR 4/8) coarse to fine SAND, trace gravel 26'-27' bgs, trace fine sand, some silt 27'-28' bgs	0.0 ppm		
28		SAND: Red (2.5YR 4/6) fine SAND, little medium sand, soft, well sorted	0.0 ppm		
30		SAND: Red (2.5YR 4/6) fine SAND, little silt, soft, well sorted	0.0 ppm	MW-4B30.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs, Pesticides
32		SAND: Red (2.5YR 4/6) fine SAND, some silt, poorly graded, moderately well sorted	0.0 ppm		
34		SAND: Red (2.5YR 4/6) fine SAND, some silt, fairly to poorly graded, moderately well sorted	0.0 ppm		
36					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW4B		
		Site: PPG - Jersey City, NJ				
Start Date: 12/3/2003		Project: Site Investigation		Page: 4 of 4		
		Coordinates: X-610816.71 Y-683246.98		Depth of Boring: 40.00		
End Date: 12/3/2003		Elevation: 14.65		Geologist: D. Sherman		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

36		SAND: Red (2.5YR 4/6) fine SAND and SILT, wet, fairly graded, moderately sorted	0.0 ppm		
38		SILT: Red (2.5YR 4/6) fine SILT, some fine sand	0.0 ppm		
		SILT: Reddish gray (5YR 5/2) SILT, some clay, trace fine sand			
40	<div> NULL: End of Boring at 40 ft. </div>				

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<div>ENSR AECOM</div>		Client: PPG			BORING ID: MW4D		
		Site: PPG - Jersey City, NJ					
Start Date: 8/19/2003		Project: Site Investigation			Page: 1 of 5		
		Coordinates: X-611627.62 Y-683361.92			Depth of Boring: 48.00		
End Date: 8/19/2003		Elevation: 14.85			Geologist: T. Rymar		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		FILL: Fill, Dark Brown (7.5YR 3/2) Silty Fine Sand with Brick, Concrete and COPR pieces, firm	0.0 ppm	MW-4D0.0	SVOC, TAL Metals, Cyanide, PCBs and Cr+6
			0.0 ppm		
2		CONCRETE: Concrete	0.0 ppm		
		FILL: Fill, Dark Brown (7.5YR 3/2) Silty Fine Sand with Brick, Concrete and COPR pieces, firm	0.0 ppm	MW-4D1.5	VOC, TAL Metals, PCBs and Cr+6
			0.0 ppm		
4		FILL: Brown (7.5YR 4/4) Silty Fine Sand, firm	0.0 ppm	MW-4D2.5	TAL Metals and Cr+6
		NR: No Recovery			
6		FILL: Brown (7.5YR 4/4) Silty Fine Sand, firm	0.0 ppm	MW-4D4.0	TAL Metals and Cr+6
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
8		FILL: Very Dark Gray (10YR 3/1) Silty Fine Sand with trace OM, firm	38.0 ppm		
			69.0 ppm		
			110.0 ppm		
		NR: No Recovery			
10		FILL: Very Dark Gray (10YR 3/1) Silty Fine Sand with trace OM, firm	108.0 ppm	MW-4D8.0	VOC, SVOC, TAL Metals, Cyanide, PCBs and Cr+6
			102.0 ppm		
			99.0 ppm		
			72.0 ppm		
12			54.0 ppm		
		NR: No Recovery	21.0 ppm		

NOTES:

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW4D		
		Site: PPG - Jersey City, NJ				
Start Date: 8/19/2003		Project: Site Investigation		Page: 2 of 5		
		Coordinates: X-611627.62 Y-683361.92		Depth of Boring: 48.00		
End Date: 8/19/2003		Elevation: 14.85		Geologist: T. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Light Olive Brown (2.5Y 5/3) Silty Fine Sand, firm	8.0 ppm		
			6.0 ppm		
		FILL: Reddish Brown (5YR 4/4) Silty Fine Sand, firm	4.0 ppm		
			17.0 ppm		
14		FILL: Black (5YR 2.5/1) Fine to Coarse Sand and rounded Gravel up to 1/2", firm	108.0 ppm	MW-4D13.8	VOC, SVOC, TAL Metals, Cyanide, PCBs and Cr+6
			15.0 ppm		
		SAND: Reddish Brown Silty Fine Sand, firm	6.0 ppm		
16		NR: No Recovery			
		SAND: Reddish Brown Silty Fine Sand, firm	3.0 ppm		
			2.0 ppm		
			1.0 ppm		
			1.0 ppm		
18			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
20			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
22			0.0 ppm		
			0.0 ppm		
		SAND: Same As Above (SAA) with Black staining and PHC-like sheen, firm	50.0 ppm		
			89.0 ppm		
		SAND: Reddish Brown Silty Fine Sand, firm	67.0 ppm		
24					

<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW4D		
		Site: PPG - Jersey City, NJ				
Start Date: 8/19/2003		Project: Site Investigation		Page: 3 of 5		
		Coordinates: X-611627.62 Y-683361.92		Depth of Boring: 48.00		
End Date: 8/19/2003		Elevation: 14.85		Geologist: T. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

24			45.0 ppm		
			37.0 ppm		
			99.0 ppm		
26		SAND: Brown (7.5YR 4/2) Fine Sand, trace Silt, firm	100.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
28		SAND: Reddish Brown Very Fine Sand and Silt	0.0 ppm		
		NULL: Refusal with Direct Push	0.0 ppm		
		SAND: Reddish Brown Very Fine Sand and Silt			
30		SAND: SAA, very firm	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
32		NR: No Recovery			
		SAND: SAA with Gravel	0.0 ppm		
			0.0 ppm		
		NR: No Recovery			
34		SAND: Reddish Brown Silty Fine Sand and Gravel, little clay	0.0 ppm		
			0.0 ppm		
		NR: No Recovery			
36					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW4D		
		Site: PPG - Jersey City, NJ				
Start Date: 8/19/2003		Project: Site Investigation		Page: 4 of 5		
		Coordinates: X-611627.62 Y-683361.92		Depth of Boring: 48.00		
End Date: 8/19/2003		Elevation: 14.85		Geologist: T. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

36					
38		SAND: Reddish Brown Fine to Medium Sand	0.0 ppm 0.0 ppm		
40			0.0 ppm 0.0 ppm		
42		NR: No Recovery			
44		SAND: Reddish Brown Fine To Coarse sand, poorly sorted	0.0 ppm 0.0 ppm 0.0 ppm		
46		NR: No Recovery			
48		SAND: Dark Brown (7.5YR 3/4) Fine Sand, little silt	0.0 ppm 0.0 ppm 0.0 ppm		
		NR: No Recovery			

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		Client: PPG			BORING ID: MW4D		
		Site: PPG - Jersey City, NJ					
Start Date: 8/19/2003		Project: Site Investigation			Page: 5 of 5		
		Coordinates: X-611627.62 Y-683361.92			Depth of Boring: 48.00		
End Date: 8/19/2003		Elevation: 14.85			Geologist: T. Rymar		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

48

NULL: End of boring at 48 ft.

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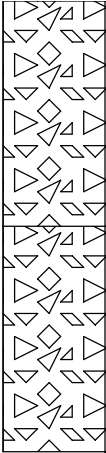
<div>ENSR AECOM</div>		Client: PPG			BORING ID: MW5A		
		Site: PPG - Jersey City, NJ					
Start Date: 11/13/2003		Project: Site Investigation			Page: 1 of 2		
		Coordinates: X-611031.22 Y-683534.39			Depth of Boring: 16.00		
End Date: 11/13/2003		Elevation: 14.11			Geologist: D. Sherman		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		FILL: Very dark grayish brown (10YR 3/2) fine SAND some silt, little clay, root, brick, organic material, 20% Cr+6 ore nodules		MW-5A0.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs
2		FILL: Black (7.5YR 2.5/1) coarse to fine SAND, some silt, wet, brick, soda ash, clinker, slag, 50% COPR	0.0 ppm		
4		FILL: Pale yellow (5Y 7/3) coarse to fine SAND, some silt, clinker, brick, soda ash, some Cr+6 leachate staining	0.0 ppm		
6		FILL: Black (2.5Y 2.5/1) coarse to fine SAND, some gravel, trace silt, clinker, black slag, Cr+6 ore nodules	0.0 ppm		
8		FILL: Pale olive (5Y 6/3) fine SAND, some silt, trace clay, soda ash-like with some Cr+6 leachate staining	0.0 ppm		
10		FILL: Pale yellow (5Y 7/3) fine SAND, some silt, trace clay, soda ash-like some Cr+6 leachate staining	0.0 ppm	MW-5A10.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs, GrSz
12					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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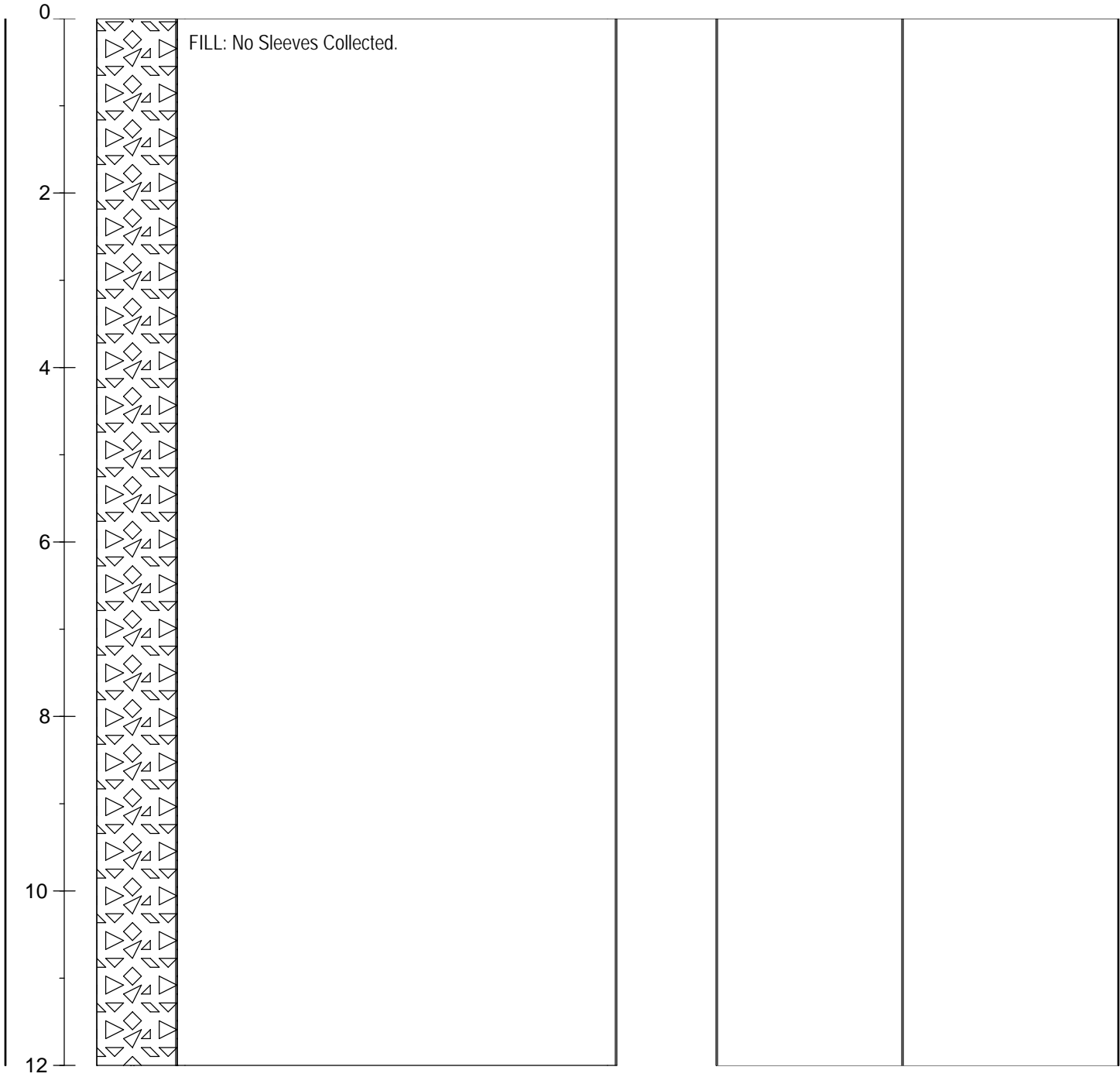
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		Site: PPG - Jersey City, NJ			
Start Date: 11/13/2003		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-611031.22 Y-683534.39		Depth of Boring: 16.00	
End Date: 11/13/2003		Elevation: 14.11		Geologist: D. Sherman	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Very dusky red (10R 2.5/2) SILT, some clay, trace sand, brick like, roots, other organics	0.0 ppm		
14		FILL: Dusky red (10R 3/2) SILT, some clay, organic, roots, soft	0.0 ppm		
16	<div> NULL: End of Boring at 16 ft. </div>				

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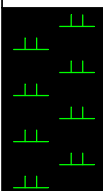
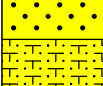
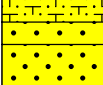
ENSR AECOM	Client: PPG		BORING ID: MW5AV		
	Site: PPG - Jersey City, NJ				
Start Date: 10/4/2005	Project: Site Investigation		Page: 1 of 3		
	Coordinates: X-610713 Y-683316		Depth of Boring: 24.00		
End Date: 10/4/2005	Elevation: 13.00		Geologist: Richard Firely		
	Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW5AV	
		Site: PPG - Jersey City, NJ			
Start Date: 10/4/2005		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-610713 Y-683316		Depth of Boring: 24.00	
End Date: 10/4/2005		Elevation: 13.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Brown (7.5YR 4/3) fine sand and silt, slight cohesive	1.2 ppm	MW5AVA	Pb
		FILL: Black (7.5YR 2.5/1) wood	1.2 ppm		
		FILL: Black (7.5YR 2.5/1) fine sand and silt, cohesive			
14		FILL: Black (7.5YR 2.5/1) wood	1.2 ppm		
		NR: No recovery	1.2 ppm		
16		PEAT: Black (7.5YR 2.5/1) peat	99.8 ppm		
			99.8 ppm	MW5AVB	Pb
18		NR: No recovery	99.8 ppm		
			99.8 ppm		
20		SAND: Very dark gray (7.5YR 3/1) fine sand, silt and clay, trace organics, cohesive			
		SILTY SAND: Dark gray (7.5YR 4/1) fine sand and silt, trace clay, slight cohesive		MW5AVC	Pb
22		SAND: Dark gray (7.5YR 4/1) fine to coarse sand, little fine to medium gravel and silt, slight cohesive			
		SAND: Dark reddish brown (5YR 3/4) fine to coarse sand, little fine to coarse gravel, loose			
		NR: No recovery			
24					

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		Client: PPG		BORING ID: MW5AV	
		Site: PPG - Jersey City, NJ			
Start Date: 10/4/2005		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-610713 Y-683316		Depth of Boring: 24.00	
End Date: 10/4/2005		Elevation: 13.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

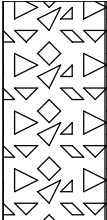
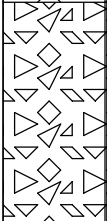
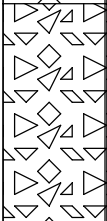
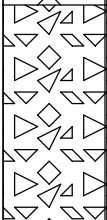
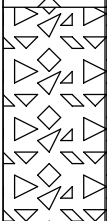
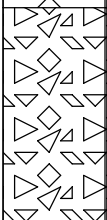
24

NULL: End of Boring at 24'

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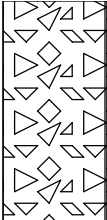
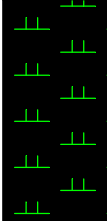
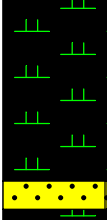

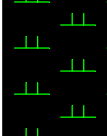
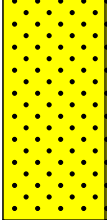
<div>ENSR AECOM</div>		Client: PPG			BORING ID: MW5B		
		Site: PPG - Jersey City, NJ					
Start Date: 12/1/2003		Project: Site Investigation			Page: 1 of 4		
		Coordinates: X-611040.87 Y-683531.74			Depth of Boring: 42.00		
End Date: 12/1/2003		Elevation: 14.33			Geologist: D. Sherman		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		FILL: Very dark grayish brown (10YR 3/2) fine SAND, some silt, little clay. Fill-root, brick, organic material, 20% Cr+6 ore nodules		MW-5B0.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs
2		FILL: Black (7.5YR 2.5/1) coarse to fine SAND, some silt. Fill-brick, soda ash, clinker, slag, 50% Cr+6 nodules	0.0 ppm		
4		FILL: Pale yellow (5Y 7/3) of SAND, some silt. Fill-clinker, brick,soda ash, and some Cr+6 leachate staining	0.0 ppm		
6		FILL: Black (2.5Y 2.5/1) of SAND some gravel, trace silt. Fill-clinker, black slag, Cr+6 ore nodules	0.0 ppm		
8		FILL: Pale olive (5Y 6/3) fine SAND, some silt, trace clay. Fill-soda ash-like, some Cr+6 leachate staining	0.0 ppm		
10		FILL: Pale yellow (5Y 7/3) fine SAND, some silt, trace clay. Fill-soda ash-like, some Cr+6 leachate staining	0.0 ppm	MW-5B10.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs, GrSz
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW5B		
		Site: PPG - Jersey City, NJ				
Start Date: 12/1/2003		Project: Site Investigation		Page: 2 of 4		
		Coordinates: X-611040.87 Y-683531.74		Depth of Boring: 42.00		
End Date: 12/1/2003		Elevation: 14.33		Geologist: D. Sherman		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Very dusky red (10R 2.5/2) SILT, some clay, trace sand. Fill-brick-like, roots, other organics	0.0 ppm		
14		FILL: Dusky red (10R 3/2) SILT, some clay. Fill-organic, roots, soft	0.0 ppm		
16		PEAT: Very dark gray (5YR 3/1) PEAT(meadow mat), pungent organic odor	0.0 ppm		
			0.0 ppm		
			1.2 ppm		
18		PEAT: Dark greenish gray (Gley2 4/1) PEAT(meadow mat), some clay, little silt, organic odor	1.4 ppm		
20		SAND: Medium to fine SAND, some silt and clay	0.0 ppm		
		PEAT: Dark green (GLEY1 4/1) PEAT, some clay, trace medium to fine sand, soft			
22		SAND: Red (2.5YR 5/6) medium to fine SAND, little gravel, trace silt	0.0 ppm		
24					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW5B		
		Site: PPG - Jersey City, NJ				
Start Date: 12/1/2003		Project: Site Investigation		Page: 3 of 4		
		Coordinates: X-611040.87 Y-683531.74		Depth of Boring: 42.00		
End Date: 12/1/2003		Elevation: 14.33		Geologist: D. Sherman		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

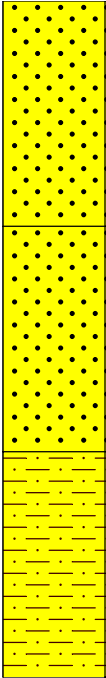
24		GRAVEL: Red (2.5YR 5/6) GRAVEL, some medium to fine sand, well graded, poorly sorted	0.0 ppm		
26		SAND: Red (2.5YR 4/6) medium to fine SAND, little gravel, fairly sorted, fairly graded	0.0 ppm		
28		SAND: Red (2.5YR 4/6) fine SAND, some silt, moderately well sorted, poorly graded	0.0 ppm		
30		SAND: Red (2.5YR 4/6) fine SAND, trace silt, well sorted, poorly graded	0.0 ppm		
32		SAND: Red (2.5YR 4/6) fine SAND, some silt, moderately well sorted, moderately graded	0.0 ppm		
34		SAND: Red (2.5YR 4/6) fine SAND and SILT, well sorted, poorly graded	0.0 ppm		
36					

NOTES:

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW5B		
		Site: PPG - Jersey City, NJ				
Start Date: 12/1/2003		Project: Site Investigation		Page: 4 of 4		
		Coordinates: X-611040.87 Y-683531.74		Depth of Boring: 42.00		
End Date: 12/1/2003		Elevation: 14.33		Geologist: D. Sherman		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

36		SAND: Red (2.5YR 4/6) fine SAND, little silt, well sorted, poorly graded	0.0 ppm	MW-5B36.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs
38		SAND: Red (2.5YR 4/6) fine SAND and SILT, well sorted, poorly graded	0.0 ppm		
40		SILT: Red (2.5YR 4/6) SILT, little fine sand, trace clay	0.0 ppm		
42				MW-5B41.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs
		NULL: End of Boring at 42 ft.			

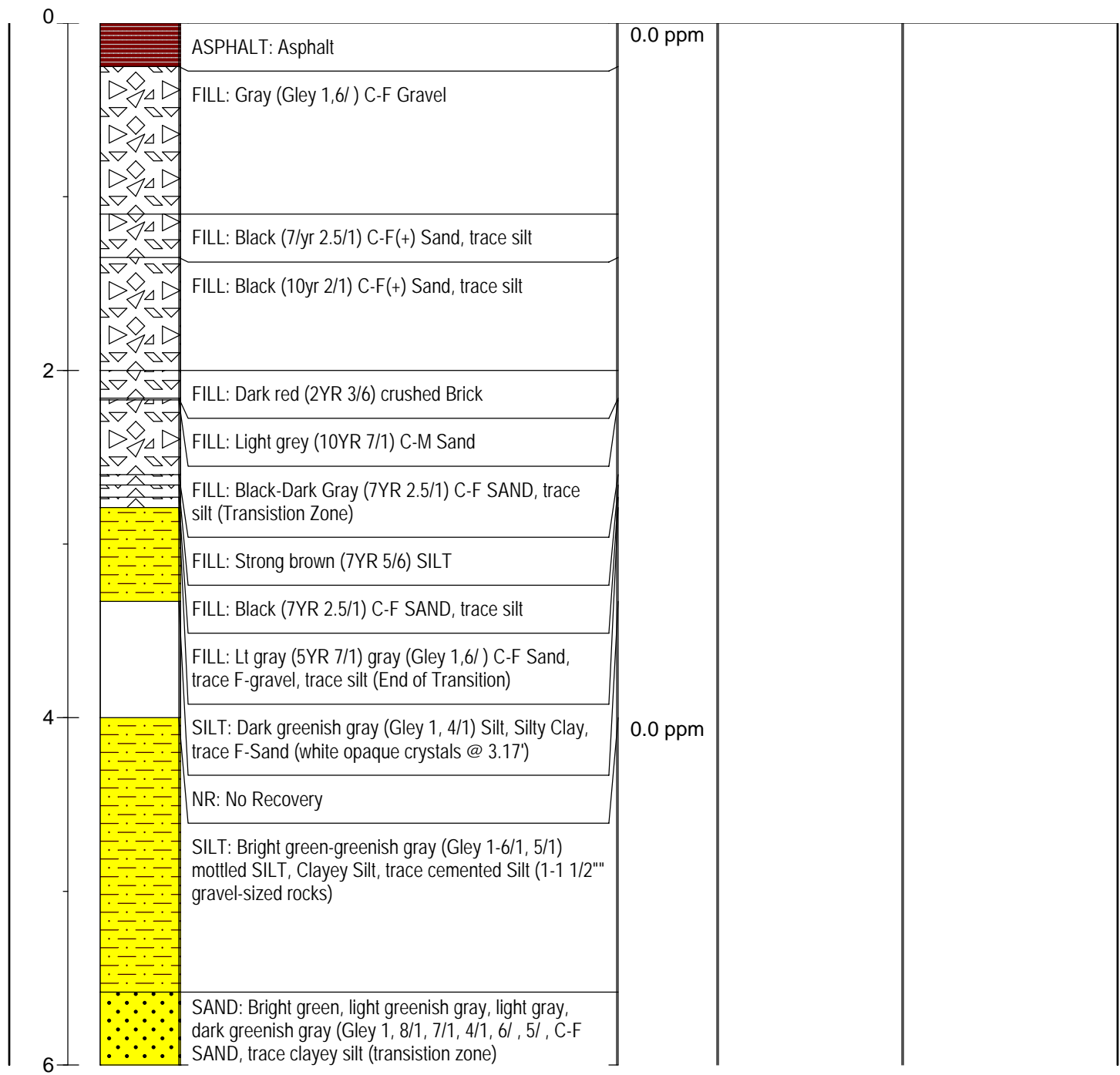
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		Client: PPG			BORING ID: MW6A		
		Site: PPG - Jersey City, NJ					
Start Date: 11/12/2003		Project: Site Investigation			Page: 1 of 2		
		Coordinates: X-611302.56 Y-683696.92			Depth of Boring: 15.00		
End Date: 11/12/2003		Elevation: 15.83			Geologist: D. Sherman		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

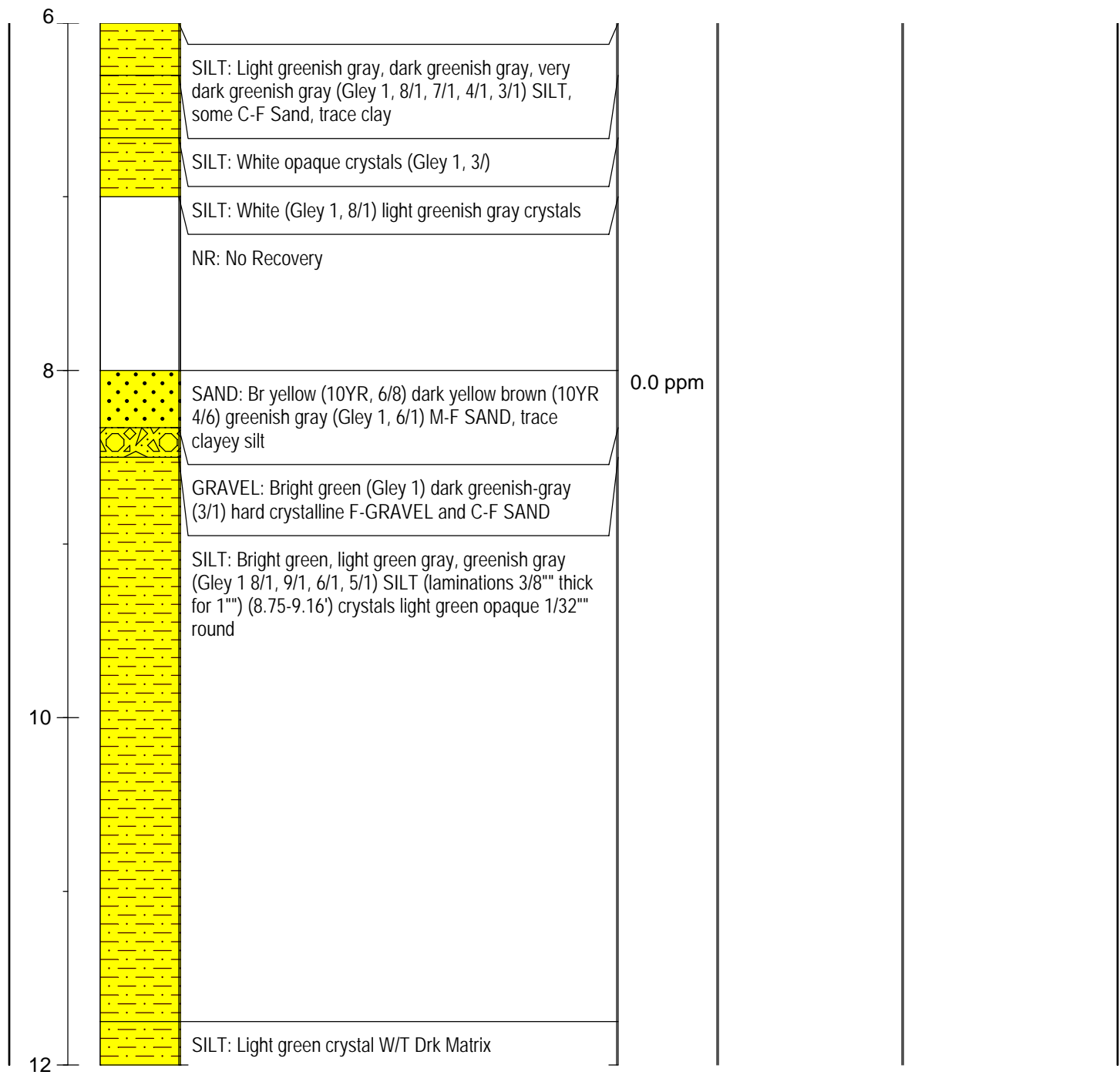
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		Site: PPG - Jersey City, NJ				
Start Date: 9/6/2005		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-611302.56 Y-683696.92		Depth of Boring: 16.00		
End Date: 9/6/2005		Elevation: 15.83		Geologist: R. Feinberg		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters



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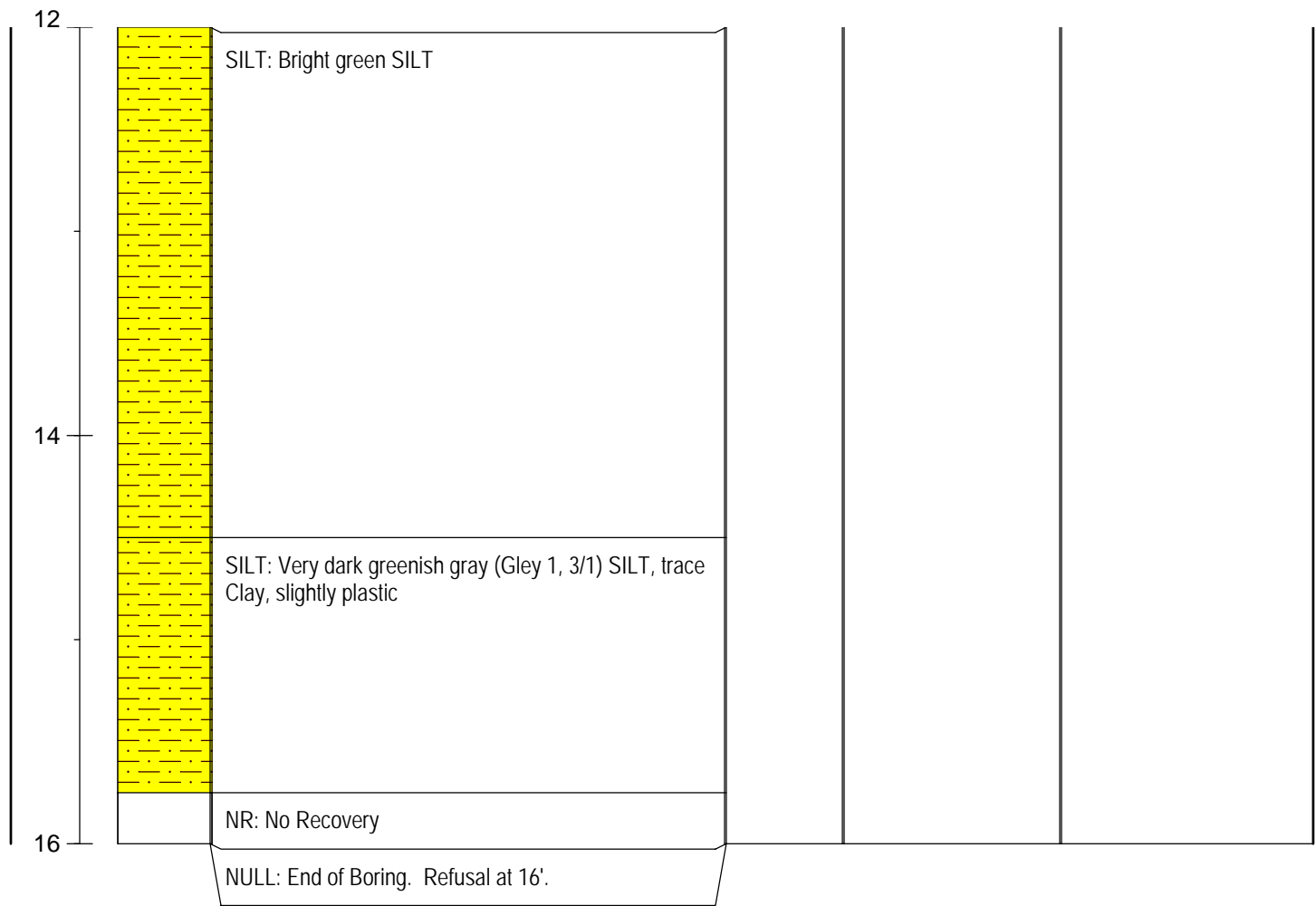
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		Site: PPG - Jersey City, NJ				
Start Date: 9/6/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611302.56 Y-683696.92		Depth of Boring: 16.00		
End Date: 9/6/2005		Elevation: 15.83		Geologist: R. Feinberg		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters



NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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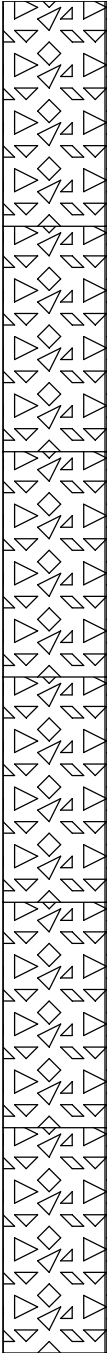
		Client: PPG		BORING ID: MW6AB	
		Site: PPG - Jersey City, NJ			
Start Date: 9/6/2005		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611302.56 Y-683696.92		Depth of Boring: 16.00	
End Date: 9/6/2005		Elevation: 15.83		Geologist: R. Feinberg	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW6B		
		Site: PPG - Jersey City, NJ				
Start Date: 11/11/2003		Project: Site Investigation		Page: 1 of 4		
		Coordinates: X-611300.42 Y-683692.7		Depth of Boring: 36.00		
End Date: 11/11/2003		Elevation: 15.66		Geologist: D. Sherman		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		FILL: Dark brown (7.5YR 3/3) coarse to fine SAND, cinder, brick, wood, 40% COPR nodules	5.5 ppm		
2		FILL: Pale yellow (2.5Y 8/3) fine SAND, lime, clinker, wood, cinder, brick, 20% COPR nodules			
4		FILL: Light gray (2.5Y 7/2) SILT, some medium to fine sand (mottled, hard), lime soda ash-like Cr+6 leachate staining present	17 ppm		
6		FILL: Pale olive (5Y 6/3) SILT, some fine sand, little medium grained sand, lime soda ash-like Cr+6 leachate staining present	20.5 ppm		
8		FILL: Pale olive (5Y 6/4) SILT, some fine sand, lime soda ash-like Cr+6 heavy leachate staining present, mottled, hard	20.5 ppm		
10		FILL: Lime green SILT, little fine sand, hard somewhat mottled, lime soda ash-like, very heavy Cr+6 leachate staining	24 ppm		
12					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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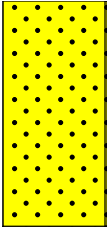
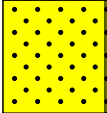
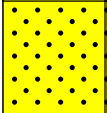
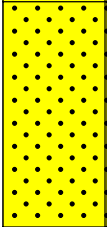

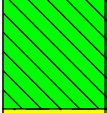
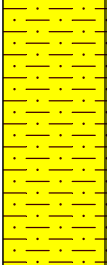
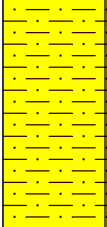

<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: MW6B		
		Site: PPG - Jersey City, NJ			
Start Date: 11/11/2003		Project: Site Investigation	Page: 2 of 4		
		Coordinates: X-611300.42 Y-683692.7	Depth of Boring: 36.00		
End Date: 11/11/2003		Elevation: 15.66	Geologist: D. Sherman		
		Drill Subcontractor: ADI	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Lime green SILT, some fine sand, little clay, mottled, lime, lignite, soda ash, very heavy Cr+6 leachate staining	24 ppm		
14		FILL: Lime green SILT, trace clay, mottled, lime, lignite, soda ash-like, very heavy Cr+6 leachate staining	19.5 ppm		
16		SILT: Very dark brown (7.5YR 2.5/2) SILT, some clay, no staining	22 ppm		
		CLAY: Very dark brown (7.5YR 2.5/2) SILT+CLAY, no staining, laminated, very hard			
18		SAND: Dark yellowish brown (10YR 3/4) SAND, some gravel, cobbles, trace lime green Cr+6 leachate staining	10 ppm		
20		SILT: Olive (5Y 5/4) SILT, some clay, trace fine sand, gravel, Cr+6 leachate staining	12 ppm		
22		SILT: Reddish brown (2.5YR 4/3) SILT, some gravel, little coarse to fine sand	16.5 ppm		
24					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW6B		
		Site: PPG - Jersey City, NJ				
Start Date: 11/11/2003		Project: Site Investigation		Page: 3 of 4		
		Coordinates: X-611300.42 Y-683692.7		Depth of Boring: 36.00		
End Date: 11/11/2003		Elevation: 15.66		Geologist: D. Sherman		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

24		SAND: Reddish brown (2.5YR 4/4) coarse to fine SAND, some silt and gravel (cobbles, pebbles, boulders), subrounded grains	13 ppm		
26		SAND: Reddish brown (5YR 4/3) medium SAND, well sorted, trace fine sand	5 ppm		
		SAND: Reddish brown (2.5 YR 4/3) fine SAND, well sorted, trace silt			
28		SAND: Red (2.5YR 4/6) medium to fine SAND, moderately well sorted, fairly graded	12 ppm	MW-6B28.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs
30		SAND: Reddish brown (5YR 4/4) medium to fine SAND	12 ppm		
		CLAY: Reddish brown (5YR 4/4) CLAY, some silt			
32		SILT: Reddish brown (5YR 4/4) SILT, some fine sand, little clay	19.5 ppm		
34			16 ppm		
36					

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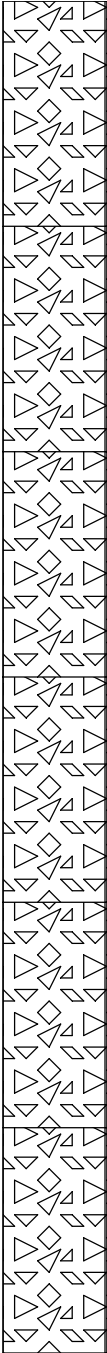
<div>ENSR AECOM</div>		Client: PPG			BORING ID: MW6B		
		Site: PPG - Jersey City, NJ					
Start Date: 11/11/2003		Project: Site Investigation			Page: 4 of 4		
		Coordinates: X-611300.42 Y-683692.7			Depth of Boring: 36.00		
End Date: 11/11/2003		Elevation: 15.66			Geologist: D. Sherman		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

36		NULL: End of Boring at 36 ft.
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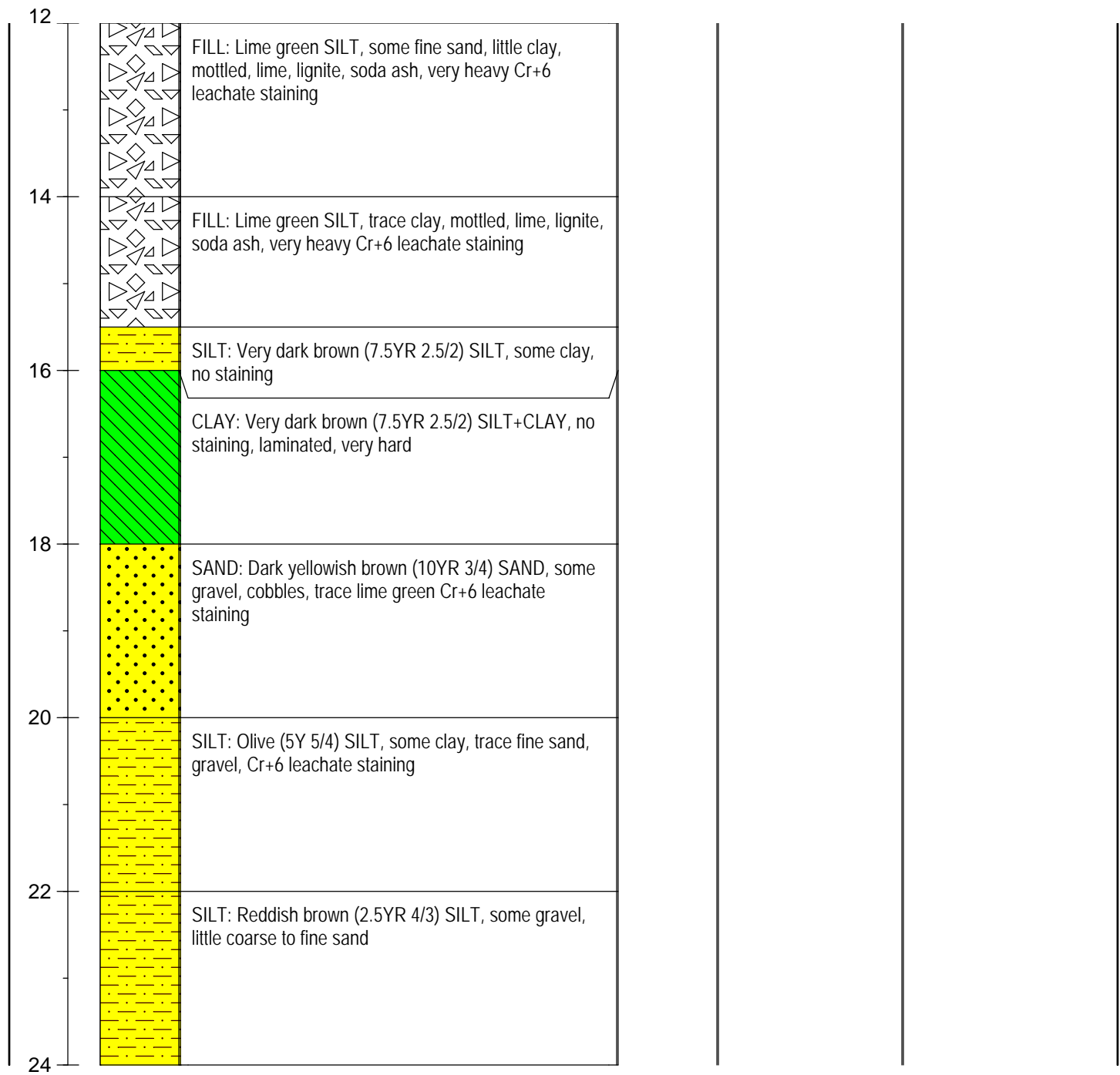
ENSR AECOM		Client: PPG		BORING ID: MW6C		
		Site: PPG - Jersey City, NJ				
Start Date: 12/5/2005		Project: Site Investigation		Page: 1 of 6		
		Coordinates: X-611301.5 Y-683686.7		Depth of Boring: 67.50		
End Date: 12/7/2005		Elevation: 14.18		Geologist: Sherman, D		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		FILL: Dark brown (7.5YR 3/3) coarse to fine SAND, cinder, brick, wood, 40% COPR nodules			
2		FILL: Pale yellow (2.5Y 8/3) fine SAND, lime, clinker, wood, cinder, brick, 20% COPR nodules			
4		FILL: Light gray (2.5Y 7/2) SILT, some medium to fine sand (mottled, hard), lime soda ash-like Cr+6 leachate staining present			
6		FILL: Pale olive (5Y 6/3) SILT, some fine sand, little medium grained sand, lime soda ash-like Cr+6 leachate staining present, mottled, hard			
8		FILL: Pale olive (5Y 6/4) SILT, some fine sand, lime soda ash-like Cr+6 heavy leachate staining present, mottled, hard			
10		FILL: Lime green SILT, little fine sand, hard somewhat mottled, lime soda ash-like, very heavy Cr+6 leachate staining			
12					

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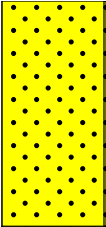
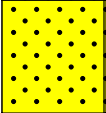
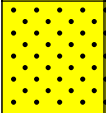
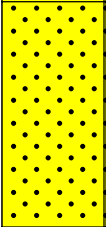

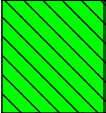
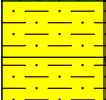
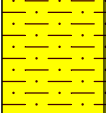
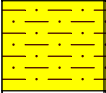
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		Site: PPG - Jersey City, NJ				
Start Date: 12/5/2005		Project: Site Investigation		Page: 2 of 6		
		Coordinates: X-611301.5 Y-683686.7		Depth of Boring: 67.50		
End Date: 12/7/2005		Elevation: 14.18		Geologist: Sherman, D		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW6C		
		Site: PPG - Jersey City, NJ				
Start Date: 12/5/2005		Project: Site Investigation		Page: 3 of 6		
		Coordinates: X-611301.5 Y-683686.7		Depth of Boring: 67.50		
End Date: 12/7/2005		Elevation: 14.18		Geologist: Sherman, D		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

24		SAND: Reddish brown (2.5YR 4/4) coarse to fine SAND, some silt and gravel (cobbles, pebbles, boulders), subrounded grains			
26		SAND: Reddish brown (5YR 4/3) medium SAND, well sorted, trace fine sand			
		SAND: Reddish brown (2.5 YR 4/3) fine SAND, well sorted, trace silt			
28		SAND: Red (2.5YR 4/6) medium to fine SAND, moderately well sorted, fairly graded			
30		SAND: Reddish brown (5YR 4/4) medium to fine SAND	0.2 ppm		
		CLAY: Reddish brown (5YR 4/4) CLAY, some silt	0.0 ppm		
			0.0 ppm		
32		SILT: Reddish brown (5YR 4/4) SILT, some fine sand, little clay	0.0 ppm		
			0.0 ppm		
		SILT: Red (10R4/6) sandy SILT, some clayey SILT, little silty sand and fine sand.	0.0 ppm		
			0.0 ppm		
		NR: No Recovery	0.0 ppm		
34		SILT: Red (10R4/6) SILT, and fine to very fine sand, little clay, 1" gravelly slough at the top.	0.0 ppm	MW6CA (34.0-34.5)	Cr+6, XRD/XRF
			0.0 ppm		
		NR: No Recovery	0.0 ppm		
			0.0 ppm		
36					

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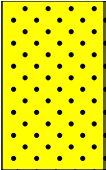
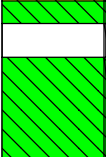
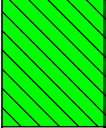
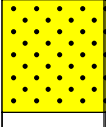
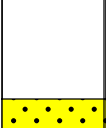
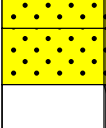
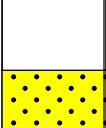
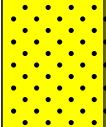
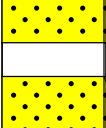
<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW6C		
		Site: PPG - Jersey City, NJ				
Start Date: 12/5/2005		Project: Site Investigation		Page: 4 of 6		
		Coordinates: X-611301.5 Y-683686.7		Depth of Boring: 67.50		
End Date: 12/7/2005		Elevation: 14.18		Geologist: Sherman, D		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

36		SILT: Red (10R4/6) SILT, and fine to very fine sand, little clay. Green colored water.	0.0 ppm	MW6AB (36.0-36.5)	Cr+6, XRD/XRF
			0.0 ppm		
			0.0 ppm		
38		NR: No Recovery	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
40		SILT: Red (10R4/6) SILT, and fine to very fine sand, little clay. Green colored water.	0.0 ppm	MW6AC (40.0-40.5)	Cr+6, XRD/XRF
			0.0 ppm		
			0.0 ppm		
42		SAND: Red (10R4/6) thinly interbedded fine to very fine SAND and silty clay.	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
44		SILT: Red (10R4/6) SILT, and fine to very fine sand, little clay. Green colored water.	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
46		SAND: Red (10R4/6) thinly interbedded fine to very fine SAND and silty clay.	0.0 ppm	MW6CD (44.0-44.5)	Cr+6, XRD/XRF
			0.0 ppm		
			0.0 ppm		
48		SILT: Red (10R4/6) SILT, and fine to very fine sand, little clay. Green colored water.	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
		NR: No Recovery	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
		SAND: Red (10R4/6) fine to very fine SAND, little silt, trace clay. Green colored water.	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
		NR: No Recovery	0.0 ppm		
			0.0 ppm		
			0.0 ppm		

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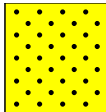
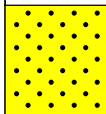
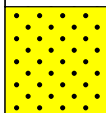
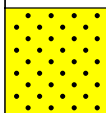
<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW6C		
		Site: PPG - Jersey City, NJ				
Start Date: 12/5/2005		Project: Site Investigation		Page: 5 of 6		
		Coordinates: X-611301.5 Y-683686.7		Depth of Boring: 67.50		
End Date: 12/7/2005		Elevation: 14.18		Geologist: Sherman, D		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

48		SAND: Red (10R4/6) fine to very fine SAND, little silt, trace clay. Green colored water.	0.0 ppm	MW6CE (48.0-48.5)	Cr+6, XRD/XRF
			0.0 ppm		
			0.0 ppm		
50		CLAY: Dark reddish brown (2.5YR3/4) CLAY, some silt. Green colored water. NR: No Recovery	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
52		CLAY: Dark reddish brown (2.5YR3/4) CLAY, some silt, soft.	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
54		SAND: Red (10R4/6) medium to fine SAND, trace silt. NR: No Recovery	0.0 ppm	MW6CF (52.0-52.5)	Cr+6, XRD/XRF
			0.0 ppm		
			0.0 ppm		
56		SAND: Red (10R4/6) medium to fine SAND, little silt. NR: No Recovery	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
58		SAND: Red (10R4/6) medium to fine SAND, little silt, trace gravel. NR: No Recovery	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
60		SAND: Red (10R4/6) coarse to fine SAND, little silt, trace gravel. NR: No Recovery	0.0 ppm	MW6CG (56.0-56.5)	Cr+6, XRD/XRF
			0.0 ppm		
			0.0 ppm		
		SAND: Red (10R4/6) coarse to very fine SAND, little silt, trace gravel.	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
		SAND: Red (10R4/6) coarse to very fine SAND, some silt, little coarse to fine gravel.	0.0 ppm		
			0.0 ppm		
			0.0 ppm		

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<div>ENSR AECOM</div>		Client: PPG			BORING ID: MW6C		
		Site: PPG - Jersey City, NJ					
Start Date: 12/5/2005		Project: Site Investigation			Page: 6 of 6		
		Coordinates: X-611301.5 Y-683686.7			Depth of Boring: 67.50		
End Date: 12/7/2005		Elevation: 14.18			Geologist: Sherman, D		
		Drill Subcontractor: Ameridrill			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

60		SAND: Red (10R4/6) coarse to very fine SAND, some silt, little coarse to fine gravel.	0.0 ppm	MW6CH (60.0-60.5)	Cr+6, XRD/XRF
		NR: No Recovery	0.0 ppm		
62		SAND: Red (10R4/6) coarse to very fine SAND, some silt, little coarse to fine gravel.	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
64		NR: No Recovery	0.0 ppm	MW6CI (64.0-64.5)	Cr+6, XRD/XRF
		SAND: Red (10R4/6) coarse to very fine SAND, some silt, little coarse to fine gravel.	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
66		NR: No Recovery	0.0 ppm		
			0.0 ppm		
		SAND: Red (10R4/6) coarse to fine SAND, some coarse to fine gravel, little silt.	0.0 ppm		
NULL: End of Boring					

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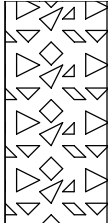
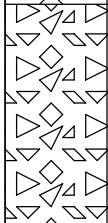
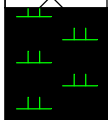
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		Site: PPG - Jersey City, NJ			
Start Date: 11/12/2003	Project: Site Investigation		Page: 1 of 2		
	Coordinates: X-611186.54 Y-683317.13		Depth of Boring: 17.00		
End Date: 11/12/2003	Elevation: 14.36		Geologist: D. Sherman		
	Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: Dark yellowish brown (10YR 3/4) SILT, some fine sand, trace clay, lime, 90% COPR		MW-7A0.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs
2		FILL: Red (2.5YR 4/6) SILT, some fine sand, trace clay, soda ash-like, 90% COPR	0.0 ppm		
4		FILL: Lime green SILT, some coarse to fine sand, soda ash-like, slag, clinker, 25% COPR, some Cr+6 leachate staining	0.0 ppm		
6		FILL: Dark greenish gray (GLE Y2 4/1) SAND, some silt, soda ash-like, wood, 20% Cr+6 ore, blue Cr+6 staining	0.0 ppm		
8		FILL: Lime green/blue/yellow(7.5YR 7/1) coarse to medium SAND, some silt, soda ash-like	0.0 ppm		
10		FILL: Lime green/blue/yellow (7.5YR 7/1) SILT, some fine sand, soda ash-like, little Cr+6 leachate staining	0.0 ppm		
12		FILL: Light gray (7.5YR 7/1) SILT, some fine sand, soda ash-like, trace MGP oils, some Cr+6 leachate staining	0.0 ppm	MW-7A10.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW7A		
		Site: PPG - Jersey City, NJ				
Start Date: 11/12/2003		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-611186.54 Y-683317.13		Depth of Boring: 17.00		
End Date: 11/12/2003		Elevation: 14.36		Geologist: D. Sherman		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Lime green/blue/yellow (7.5YR 7/1) coarse to fine SAND, some silt, soda ash-like, trace MGP oils, some Cr+6 leachate staining	0.0 ppm		
14		FILL: Light gray (7.5YR 7/1) with lime green medium to fine SAND, some silt, soda ash-like, some COPR staining	0.0 ppm		
16		PEAT: Very dark brown (10YR 2/2) PEAT (meadow mat)	0.0 ppm		
NULL: End of Boring at 17 ft.					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW7B		
		Site: PPG - Jersey City, NJ				
Start Date: 12/1/2003		Project: Site Investigation		Page: 1 of 4		
		Coordinates: X-611179.03 Y-683320.84		Depth of Boring: 36.00		
End Date: 12/1/2003		Elevation: 14.64		Geologist: D. Sherman		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		FILL: Dark yellowish brown (10YR 3/4) SILT, some fine sand, trace clay, lime, 90% COPR		MW-7B0.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs
2		FILL: Red (2.5YR 4/6) SILT, some fine sand, trace clay, soda ash-like, 90% COPR	0.0 ppm		
4		FILL: Lime green SILT, some coarse to fine sand, soda ash-like, slag, clinker, 25% COPR, some Cr+6 leachate staining	0.0 ppm		
6		FILL: Dark greenish gray (GLE Y2 4/1) SAND, some silt, soda ash-like, wood, 20% Cr+6 ore, blue Cr+6 staining	0.0 ppm		
8		FILL: Lime green/blue/yellow (7.5YR 7/1) coarse to medium SAND, some silt, soda ash-like	0.0 ppm		
10		FILL: Lime green/blue/yellow (7.5YR 7/1) SILT, some fine sand, soda ash-like, little Cr+6 leachate staining	0.0 ppm		
12		FILL: Light gray (7.5YR 7/1) SILT, some fine sand, soda ash-like, trace MGP oils, some Cr+6 leachate staining	0.0 ppm	MW-7B10.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs

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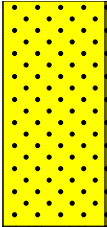

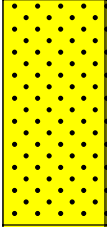
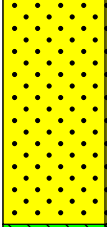
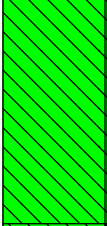
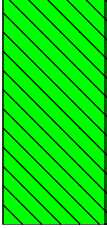
ENSR AECOM		Client: PPG			BORING ID: MW7B		
		Site: PPG - Jersey City, NJ					
Start Date: 12/1/2003		Project: Site Investigation			Page: 2 of 4		
		Coordinates: X-611179.03 Y-683320.84			Depth of Boring: 36.00		
End Date: 12/1/2003		Elevation: 14.64			Geologist: D. Sherman		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

12		FILL: Lime green/blue/yellow (7.5YR 7/1) coarse to fine SAND, some silt, soda ash-like, trace MGP oils, some Cr+6 leachate staining	0.0 ppm	
14		FILL: Light gray (7.5YR 7/1) with lime green medium to fine SAND, some silt, soda ash-like, some COPR staining	0.0 ppm	
16		PEAT: Very dark brown (10YR 2/2) PEAT (meadow mat)	0.0 ppm	
18			0.0 ppm	
		PEAT: Dark greenish gray (GLEY2 4/1) PEAT (meadow mat)	3.0 ppm	
			1.0 ppm	
20			6.2 ppm	
		1.3 ppm		
		SILT: Dark greenish gray (GLEY1 4/1) SILT, some peat, soft	1.3 ppm	
22				
		SAND: Brown medium to fine SAND, some gravel, hard	0.0 ppm	
		SAND: Dark greenish gray (GLEY1 4/1) coarse to fine SAND, some gravel, poorly sorted, well graded		
24				

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW7B		
		Site: PPG - Jersey City, NJ				
Start Date: 12/1/2003		Project: Site Investigation		Page: 3 of 4		
		Coordinates: X-611179.03 Y-683320.84		Depth of Boring: 36.00		
End Date: 12/1/2003		Elevation: 14.64		Geologist: D. Sherman		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

24		SAND: Reddish brown (5YR 4/3) coarse to fine SAND, little gravel, poorly sorted, well graded	0.0 ppm		
26		GRAVEL: Yellowish red (5YR 5/6) GRAVEL, little coarse to medium sand, fairly graded, fairly sorted	0.0 ppm		
28		SAND: Red (2.5YR 4/6) fine SAND, little gravel, little coarse to medium sand, well graded, poorly sorted, soft	0.0 ppm		
30		SAND: Red (2.5YR 4/6) fine SAND, well graded, poorly sorted, soft	0.0 ppm		
32		CLAY: Red (5YR 4/3) CLAY, some silt, little fine sand, plastic	0.0 ppm	MW-7B32.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs
34		CLAY: Red (5YR 4/3) CLAY, some silt, trace fine sand, plastic	0.0 ppm		
36					

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		Client: PPG			BORING ID: MW7B		
		Site: PPG - Jersey City, NJ					
Start Date: 12/1/2003		Project: Site Investigation			Page: 4 of 4		
		Coordinates: X-611179.03 Y-683320.84			Depth of Boring: 36.00		
End Date: 12/1/2003		Elevation: 14.64			Geologist: D. Sherman		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

36

NULL: End of Boring at 36 ft.

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	<div>BORING ID:</div> <div>MW7C</div>		
		Site: PPG - Jersey City, NJ			
<div>Start Date:</div> <div>10/31/2005</div>		Project: Site Investigation	Page: 1 of 3		
		Coordinates: X-611186.4 Y-683323.6	Depth of Boring: 34.00		
<div>End Date:</div> <div>10/31/2005</div>		Elevation: 13.71	Geologist: Sherman, D		
		Drill Subcontractor: Ameridrill	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: Dark yellowish brown (10YR 3/4) SILT, some fine sand, trace clay, lime, 90% COPR			
2		FILL: Red (2.5YR 4/6) SILT, some fine sand, trace clay, soda ash-like, 90% COPR			
4		FILL: Lime green SILT, some coarse to fine sand, soda ash-like, slag, clinker, 25% COPR, some Cr+6 leachate staining			
6		FILL: Dark greenish gray (GLE Y2 4/1) SAND, some silt, soda ash-like, wood, 20% Cr+6 ore, blue Cr+6 staining			
8		FILL: Lime green/blue/yellow (7.5YR 7/1) coarse to medium SAND, some silt, soda ash-like			
10		FILL: Lime green/blue/yellow (7.5YR 7/1) SILT, some fine sand, soda ash-like, little Cr+6 leachate staining			
12		FILL: Light gray (7.5YR 7/1) SILT, some fine sand, soda ash-like, trace MGP oils, some Cr+6 leachate staining			

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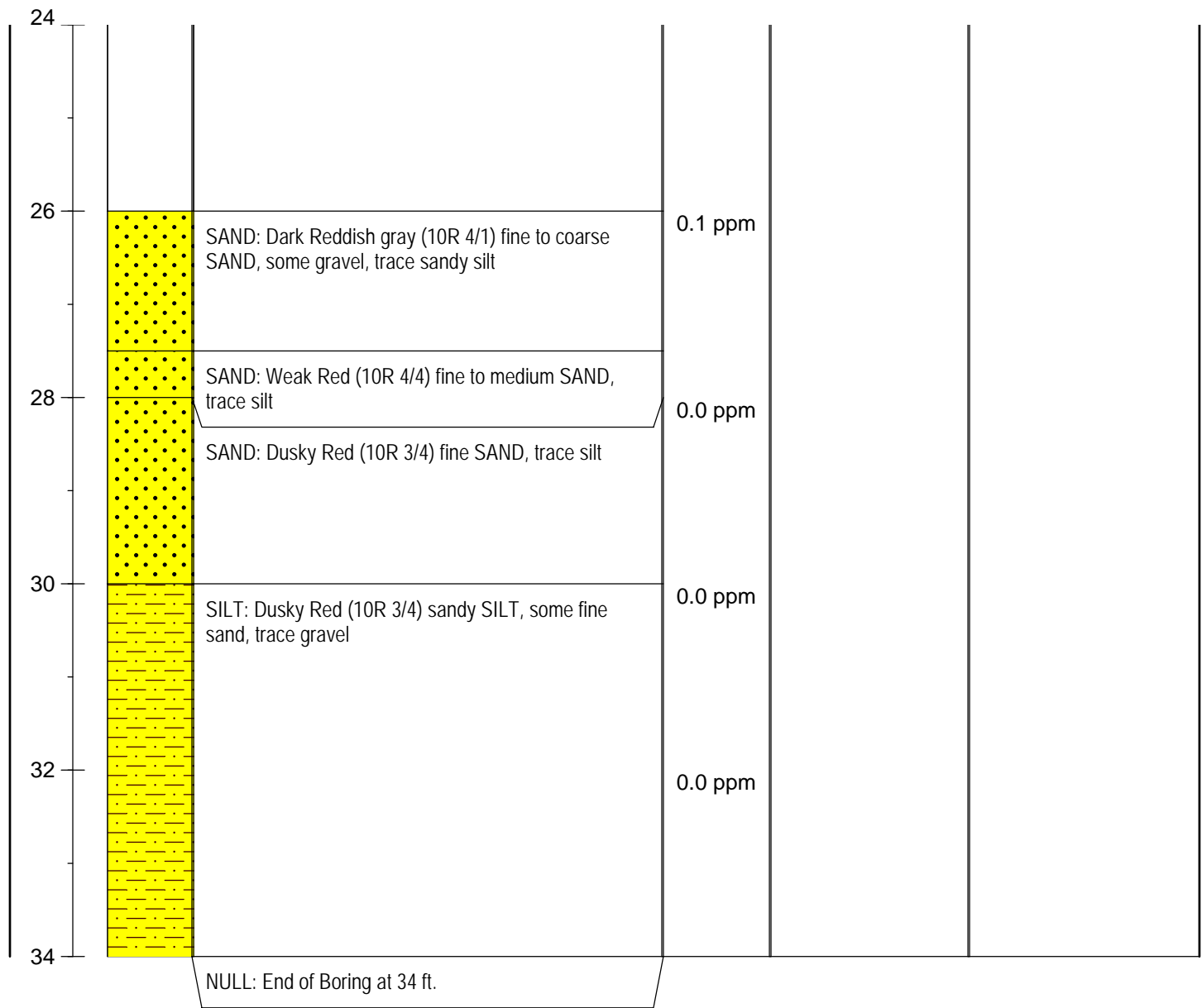
<div>ENSR AECOM</div>		Client: PPG			BORING ID: MW7C	
		Site: PPG - Jersey City, NJ				
Start Date: 10/31/2005		Project: Site Investigation			Page: 2 of 3	
		Coordinates: X-611186.4 Y-683323.6			Depth of Boring: 34.00	
End Date: 10/31/2005		Elevation: 13.71			Geologist: Sherman, D	
		Drill Subcontractor: Ameridrill			Driller:	
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Lime green/blue/yellow (7.5YR 7/1) coarse to fine SAND, some silt, soda ash-like, trace MGP oils, some Cr+6 leachate staining			
14		FILL: Light gray (7.5YR 7/1) with lime green medium to fine SAND, some silt, soda ash-like, some COPR staining			
16		PEAT: Very dark brown (10YR 2/2) PEAT (meadow mat)			
18		PEAT: Black (5YR 2.5/1) PEAT, some silt	4.2 ppm	MW7CVA	Cr+6, Sb, Ni, V
20		SILT: Dark gray (LEY1 4/N) clayey SILT, some peat	0.5 ppm		
			3.6 ppm		
22		SILT: Dark gray (LEY1 4/N) clayey SILT, some sandy silt, little fine sand	0.3 ppm	MW7CWB	Cr+6, Sb, Ni, V
		SAND: Dark Reddish gray (10R 4/1) fine SAND, some sandy silt, little clayey silt			
24		NR: No Recovery			

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW7C		
		Site: PPG - Jersey City, NJ				
Start Date: 10/31/2005		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611186.4 Y-683323.6		Depth of Boring: 34.00		
End Date: 10/31/2005		Elevation: 13.71		Geologist: Sherman, D		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG			BORING ID: MW8A		
		Site: PPG - Jersey City, NJ					
Start Date: 11/14/2003		Project: Site Investigation			Page: 1 of 2		
		Coordinates: X-611337.21 Y-682896.68			Depth of Boring: 17.00		
End Date: 11/14/2003		Elevation: 14.25			Geologist: D. Sherman		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		FILL: Red (2.5YR 4/6) SAND, some silt, trace clay, cinder, brick, plastic, 40% COPR		MW-8A0.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs
2		FILL: Lime green SILT, some fine sand, trace gravel, soda ash-like, 90% COPR with blue and green staining present	0.0 ppm		
4		FILL: Brown (7.5YR 4/3) fine SAND, some silt, soda ash-like, naphthalene (MGP) odor and sheen, 10% COPR	0.0 ppm		
6		FILL: Lime green SILT, some fine sand, soda ash-like, 15% COPR	1.4 ppm 2.0 ppm		
8		FILL: Brown (7.5YR 5/3) SILT, some coarse to fine sand, little gravel, soda ash-like, cardboard, cinder, 20% COPR	0.8 ppm 0.6 ppm		
10		FILL: Dark brown (7.5YR 3/4) fine to medium SAND, some silt, trace gravel, soda ash-like, root, 20% COPR	0.0 ppm	MW-8A10.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs
12					

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: MW8A		
		Site: PPG - Jersey City, NJ			
Start Date: 11/14/2003		Project: Site Investigation	Page: 2 of 2		
		Coordinates: X-611337.21 Y-682896.68	Depth of Boring: 17.00		
End Date: 11/14/2003		Elevation: 14.25	Geologist: D. Sherman		
		Drill Subcontractor: ADI	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Lime green and weak red(10R 4/3) medium to fine SAND, some silt, soda ash-like, cinder,10% COPR, little Cr+6 leachate staining present	0.0 ppm		
14		FILL: Light yellowish brown (2.5Y 6-3) SILT, some fine sand, little clay, soda ash-like, cardboard, root, MGP sheen, Cr+6 leachate staining	0.0 ppm		
			2.0 ppm		
			1.8 ppm		
16		FILL: Light brownish gray (10YR 6/2) SILT, some fine sand, little clay, soda ash-like, wood, cardboard, root	1.6 ppm		
			7.8 ppm		
<div>NULL: End of Boring at 17 ft.</div>					

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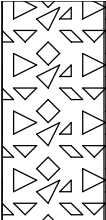
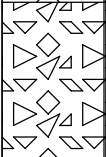

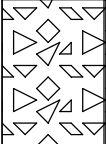

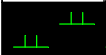
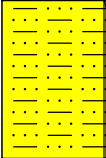

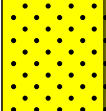
<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW8ABV	
		Site: PPG - Jersey City, NJ			
Start Date: 10/24/2005		Project: Site Investigation		Page: 1 of 5	
		Coordinates: X-611337 Y-682888		Depth of Boring: 49.00	
End Date: 10/24/2005		Elevation: 14.00		Geologist: D. Sherman	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		NR: No Sleeve Collected	N/A		
2					
4		NR: No Sleeve Collected	N/A		
6					
8		NR: No Sleeve Collected	N/A		
10					
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW8ABV		
		Site: PPG - Jersey City, NJ				
Start Date: 10/24/2005		Project: Site Investigation		Page: 2 of 5		
		Coordinates: X-611337 Y-682888		Depth of Boring: 49.00		
End Date: 10/24/2005		Elevation: 14.00		Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Weak Red (2.5YR 5/2), Sandy SILT, some Clay Silt, wet (wood, coal ash), 60% mud waste.	4.5 ppm		
14		FILL: Weak Red (2.5YR 5/2), Sandy SILT, little fine Dand, wet, 75% mud waste, 25% CORP, hydrocarbon odor.		MW8ABVA	MS/MSD
16		NR: No Recovery			
		FILL: Gray (5YR 5/1), Sandy SILT, little Clay Silt, wet, soft (coal ash), 100% mud waste.	102.0 ppm	MW8ABVB	
18		NR: No Recovery			
20		PEAT: Dark Brown (7.5YR 3/3) PEAT, some Clay Silt, moist.	0.8-28.4 ppm	MW8ABVC	MS/MSD
		SANDY SILT: Greenish Gray GLEY (2YR 5/1), Sandy SILT and fine SAND, some medium Sand, wet, native.			
22		NR: No Recovery		MW8ABVD	MS/MSD
24		SAND: Dark Bluish Gray GLEY (2YR 4/1), fine SAND, some Sandy Silt, little Silty Sand, wet.	0.2-4.9 ppm		

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW8ABV		
		Site: PPG - Jersey City, NJ				
Start Date: 10/24/2005		Project: Site Investigation		Page: 3 of 5		
		Coordinates: X-611337 Y-682888		Depth of Boring: 49.00		
End Date: 10/24/2005		Elevation: 14.00		Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

24					
		SAND: Dark Bluish Gray GLEY (2YR 4/1), fine to medium SAND, saturated.	0.9-4.7 ppm		
		NR: No Recovery			
26		SAND: Dark Bluish gray GLEY (2YR 4/1), fine to medium SAND, some coarse Sand, wet.			
		SAND: Dark Reddish Brown (2.5YR 3/3), fine to coarse SAND, some fine to coarse Gravel, little pebbels, wet.	0.5-3.6 ppm		
28		SAND: Reddish Brown (2.5YR 3/3), fine to coarse SAND, some silty Sand, visible oily sheen in saturation, wet.			
		NR: No Recovery	1.3-6.9 ppm		
30		SAND: Reddish Brown (2.5YR 3/3), medium to coarse SAND, some fine Sand, little fine Gravel, wet.			
		NR: No Recovery	0.9-2.6 ppm		
32		SAND: Weak Red (10R 4/4), fine to medium SAND, little Silty Sand, wet, trace of fine Gravel.			
		SAND: Weak Red (10R 4/4), medium SAND, some Clay Sand, little fine Sand, wet, trace of fine Gravel and Pebbles.	0.3-2.6 ppm		
34					
		SAND: Weak Red (10R 4/4), medium SAND, some fine Sand, wet, trace of Gravel.	0.3-5.6 ppm		
36					

NOTES:

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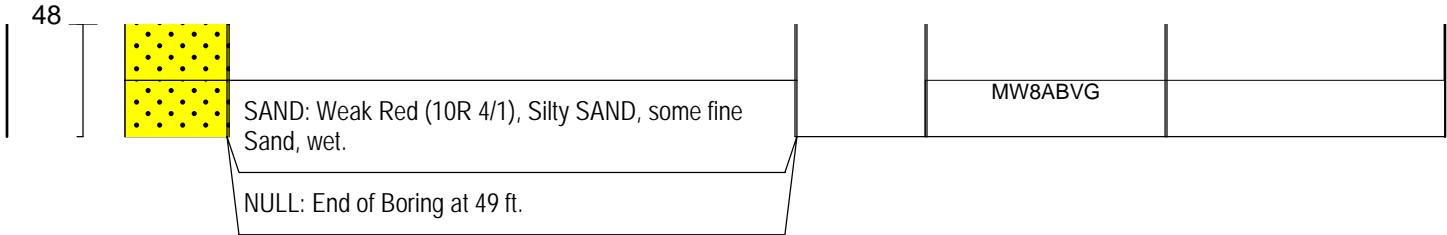
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		Site: PPG - Jersey City, NJ				
Start Date: 10/24/2005		Project: Site Investigation		Page: 4 of 5		
		Coordinates: X-611337 Y-682888		Depth of Boring: 49.00		
End Date: 10/24/2005		Elevation: 14.00		Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

36					
		NR: No Recovery	20.1 ppm		
		SAND: Weak Red (10R 4/4), fine SAND, some Silty Sand, oily sheen observed, wet.			
38					
		SAND: Dark Reddish Gray (10R 3/1), Silty SAND, some fine Sand, wet.	11.4 ppm		
		SAND: Weak Red (10R 4/4), Silty SAND, some fine Sand, wet, oily sheen observed.			
40					
		NR: No Recovery			
		SAND: Weak Red, (10R 4/4), fine SAND, some Silty Sand, little medium Sand, wet.	2.1 ppm		
42					
		SAND: Weak Red (10R 4/4), fine to medium SAND, some Clay Sand, trace of fine Gravel, wet.	1.1 ppm		
44					
		SAND: Weak Red (10R 4/4), fine to medium SAND, some Silty Sand, wet.	3.9 ppm		
46				MW8ABVE	
		SAND: Weak Red (10R 4/1), fine to medium SAND, some Silty Sand, trace fine Gravel, wet.	21.0 ppm	MW8ABVF	
48					

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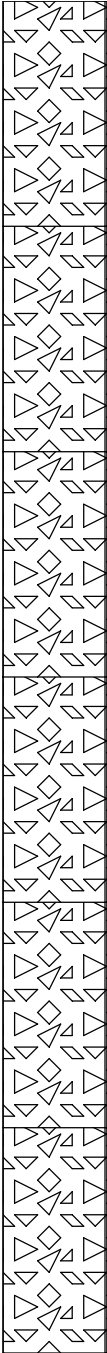
<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW8ABV	
		Site: PPG - Jersey City, NJ			
Start Date: 10/24/2005		Project: Site Investigation		Page: 5 of 5	
		Coordinates: X-611337 Y-682888		Depth of Boring: 49.00	
End Date: 10/24/2005		Elevation: 14.00		Geologist: D. Sherman	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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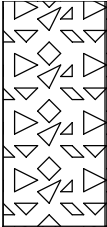
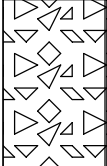
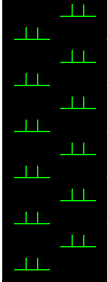
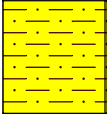
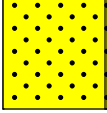
<div>ENSR AECOM</div>		Client: PPG			BORING ID: MW8B		
		Site: PPG - Jersey City, NJ					
Start Date: 12/4/2003		Project: Site Investigation			Page: 1 of 5		
		Coordinates: X-611340.59 Y-682900.38			Depth of Boring: 48.00		
End Date: 12/4/2003		Elevation: 14.25			Geologist: D. Sherman		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		FILL: Red (2.5YR 4/6) SAND, some silt, trace clay. Fill-cinder, brick, plastic, 40% COPR		MW-8B0.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs
2		FILL: Lime green SILT, some fine sand, trace gravel. Fill- soda ash-like, 90% COPR with blue and green staining present.	0.0 ppm		
4		FILL: Brown (7.5YR 4/3) fine SAND, some silt. Fill-soda ash-like, naphthalene (MGP) odor and sheen, 10% COPR	0.0 ppm		
6		FILL: Lime green SILT, some fine sand. Fill-soda ash-like, 15% COPR	1.4 ppm 2.0 ppm		
8		FILL: Brown (7.5YR 5/3) SILT, some coarse to fine sand, little gravel. Fill-soda ash, cardboard, cinder, 20% COPR	0.8 ppm 0.6 ppm		
10		FILL: Dark brown (7.5YR 3/4) fine to medium SAND, some silt, trace gravel. Fill-soda ash-like, root, 20% COPR	0.0 ppm	MW-8B10.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs
12					

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<div>ENSR AECOM</div>		Client: PPG			BORING ID: MW8B		
		Site: PPG - Jersey City, NJ					
Start Date: 12/4/2003		Project: Site Investigation			Page: 2 of 5		
		Coordinates: X-611340.59 Y-682900.38			Depth of Boring: 48.00		
End Date: 12/4/2003		Elevation: 14.25			Geologist: D. Sherman		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

12		FILL: Lime green and weak red(10R 4/3) medium to fine SAND, some silt. Fill-soda ash-like, cinder, 10% COPR, little Cr+6 leachate staining present	0.0 ppm		
14		FILL: Light yellowish brown (2.5Y 6-3) SILT, some fine sand, little clay. Fill-soda ash, cardboard, root, MGP sheen, Cr+6 leachate staining	0.0 ppm		
			2.0 ppm		
			1.8 ppm		
16		FILL: Light brownish gray (10YR 6/2) SILT, some fine sand, little clay. Fill-soda ash, wood, cardboard, root	1.6 ppm		
			7.8 ppm		
			2.2 ppm		
18		PEAT: Greenish gray (GLE2 5/1) PEAT (meadow mat), some clay	2.0 ppm		
			6.8 ppm		
			2.8 ppm		
20		NR: No Sample Collected	6.0 ppm		
			4.8 ppm		
22		SILT: Dark greenish gray (GLE1 4/1) SILT, some clay			
24		SAND: Yellowish red (5YR 4/3) coarse to fine SAND, some gravel			

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW8B	
		Site: PPG - Jersey City, NJ			
Start Date: 12/4/2003		Project: Site Investigation		Page: 3 of 5	
		Coordinates: X-611340.59 Y-682900.38		Depth of Boring: 48.00	
End Date: 12/4/2003		Elevation: 14.25		Geologist: D. Sherman	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

24		SAND: Reddish brown (5YR 4/3) coarse to fine SAND, some gravel, little silt, poorly sorted	0.0 ppm		
26		SAND: Reddish brown (5YR 4/4) coarse to fine SAND, little gravel, fairly sorted	0.0 ppm		
28		SAND: Reddish brown (5YR 4/3) medium to fine SAND, moderately well sorted, poorly graded	0.0 ppm		
30		SAND: Reddish brown (5YR 4/3) medium to fine SAND, moderately well sorted, poorly graded	0.0 ppm		
32		SAND: Reddish brown (5YR 4/3) medium SAND, some fine sand, well sorted	0.0 ppm		
34		SAND: Dark reddish gray (5YR 4/2) fine SAND, trace silt, well sorted, oily MGP sheen, coal tar observed	0.0 ppm		
36					

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<div>ENSR AECOM</div>		Client: PPG			BORING ID: MW8B		
		Site: PPG - Jersey City, NJ					
Start Date: 12/4/2003		Project: Site Investigation			Page: 4 of 5		
		Coordinates: X-611340.59 Y-682900.38			Depth of Boring: 48.00		
End Date: 12/4/2003		Elevation: 14.25			Geologist: D. Sherman		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

36		SAND: Yellowish red (5YR 4/6) fine SAND, little silt, well sorted, oily MGP sheen, coal tar waste observed	0.0 ppm		
38		SAND: Yellowish red (5YR 4/6) fine SAND, little silt, oily MGP sheen observed	0.0 ppm		
40		SAND: Yellowish red (5YR 4/6) fine SAND, little silt, slight oily MGP sheen observed	0.0 ppm	MW-8B40.0	TAL Metals, Cr+6, TCLSVOCs, TCLVOCs, Cyanide, PCBs
42		SAND: Yellowish red (5YR 4/6) fine SAND, little silt, trace oily MGP sheen observed	0.0 ppm		
44		SAND: Yellowish red (5YR 4/6) fine SAND, little silt	0.0 ppm		
46		SAND: Yellowish red (5YR 4/6) fine SAND, little silt, well sorted	0.0 ppm		
48					

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		Client: PPG	BORING ID: MW8B		
		Site: PPG - Jersey City, NJ			
Start Date: 12/4/2003	Project: Site Investigation		Page: 5 of 5		
	Coordinates: X-611340.59 Y-682900.38		Depth of Boring: 48.00		
End Date: 12/4/2003	Elevation: 14.25		Geologist: D. Sherman		
	Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

48	NULL: End of Boring at 48 ft.				
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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW9C		
		Site: PPG - Jersey City, NJ				
Start Date: 11/3/2005		Project: Site Investigation		Page: 1 of 4		
		Coordinates: X-611131.4 Y-683715.04		Depth of Boring: 38.00		
End Date: 11/3/2005		Elevation: 17.00		Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		CONCRETE: 4 inches Concrete			
		FILL: Pale Brown (10YR 6/3), fine SAND, well sorted, dry.			
		FILL: Black (10YR 2/1), fine to coarse SAND, some fine to coarse Gravel, little pebbels and cobbles, dry, (time), 10% CORP.			
2		NR: No Recovery			
		FILL: Dark Brown (10YR 3/3), fine to coarse SAND, little fine Sand.			
4		FILL: Gray GLEY (?), Silty SAND, some fine Sand, (coal ash), moist, 100% mud waste.			
		NR: No Recovery			
6					
8		FILL: Greenish Gray GLEY (2 6/1), Silty SAND, some Sand Silt, little fine Sand, wet, 100% mud waste.			
10		NR: No Recovery			
12					

NOTES:

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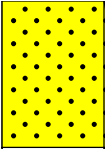

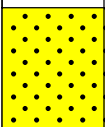

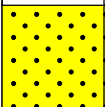
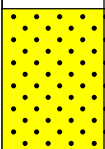
<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW9C		
		Site: PPG - Jersey City, NJ				
Start Date: 11/3/2005		Project: Site Investigation		Page: 2 of 4		
		Coordinates: X-611131.4 Y-683715.04		Depth of Boring: 38.00		
End Date: 11/3/2005		Elevation: 17.00		Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Light Greenish Gray GLEY (1 8/1), Silty SAND, some fine Sand, saturated, soft, trace wood, 100% mud waste.			
14		NR: No Recovery			
		FILL: Gray (5Y 6?) with Pale Yellow (5Y 8/3) Silty SAND, some fine Sand, wet, 100% mud waste			
16		FILL: Dark Yellowish Brown (10YR 4/6) fine SAND, some medium to coarse Sand, 50% mud waste, 50% CORP?			
		NR: No Recovery			
		FILL: Dark Yellowish Brown (10YR 4/6) fine SAND, wet, 20% CORP.			
18		PEAT: Black (10YR 2/1), PEAT, some Clay Silty, moist, soft.	1.9 ppm	MW9CA	
		NR: No Recovery			
		PEAT: Dark Brown (7.5YR 3/2), PEAT, strong sewage odor, saturated.			
20		NR: No Recovery	5.0 ppm	MW9CB	
		PEAT: Very Dark Gray (7.5YR 3/1), PEAT, some Clayey Silt, moist, sewage odor.			
		NR: No Recovery			
22		PEAT: Very Dark Gray (7.5YR 3/1), PEAT, some Clayey Silt, moist.	0.7-9.3 ppm	MW9CC	
		SILT: Dark Gray GLEY (1 4/N), Clayey SILT, little Sandy Silt, moist.			
24					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW9C		
		Site: PPG - Jersey City, NJ				
Start Date: 11/3/2005		Project: Site Investigation		Page: 3 of 4		
		Coordinates: X-611131.4 Y-683715.04		Depth of Boring: 38.00		
End Date: 11/3/2005		Elevation: 17.00		Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

24		NR: No Recovery	0.3 ppm		
		SAND: Dark Reddish Gray (2.5YR 4/1), fine to coarse SAND, some fine to coarse gravel, little pebbles and cobbles, wet.			
26		NR: No Recovery	0.1 ppm	MW9CD	
		GRAVEL: Red (10R 4/6), fine to coarse GRAVEL, some fine to coarse Sand, saturated.			
28		NR: No Recovery	0.0 ppm		
		SAND: Weak Red (10R 4/4), fine to medium SAND, little Silty Sand, wet.			
		NR: No Recovery			
30		SAND: Weak Red (10R 4/4), fine SAND, some Silty Sand, wet.	0.0 ppm	MW9CE	
		NR: No Recovery			
32		SAND: Weak Red (10R 4/4), fine SAND, and Silty SAND, trace Sandy Silt.	0.1 ppm		
		NR: No Recovery			
34		SAND: Weak Red (10R 4/4), Silty SAND, some fine Sand, little Sandy Silt, wet.	0.2 ppm	MW9CF	
		NR: No Recovery			
36		NR: No Recovery			


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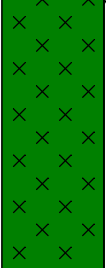
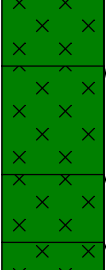
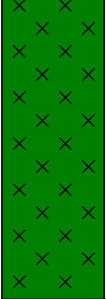
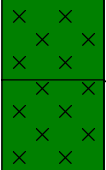
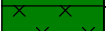
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Geological log for boring 10R 4/4. The log shows soil types and depth. The top section is yellow with a pattern of dots and lines, labeled 'SILT: Weak Red (10R 4/4), Sandy SILT, some Silty Sand, little fine Sand, wet.' The depth is 0.1 ppm. Below this is a white section labeled 'NR: No Recovery'. The bottom section is white and labeled 'NULL: End of Boring at 38 ft.' The depth is 38 ft.

Depth (ft)	Soil Type	Notes
0.1	SILT: Weak Red (10R 4/4), Sandy SILT, some Silty Sand, little fine Sand, wet.	0.1 ppm
NR	NR: No Recovery	
38	NULL: End of Boring at 38 ft.	


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		Client: PPG Industries		BORING ID: OSB-11		
		Site: Site OSB				
Start Date: 1/3/2007		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-610854.6 Y-683047		Depth of Boring: 28.00		
End Date: 2/2/2007		Elevation: 15.48		Geologist: P. Kelly		
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit/Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		ASPHALT: ASPHALT	N/A	OSB-11A(0.3-0.75)	MS/MSD, Cr+6, TAL Metals
		FILL: Light Yellowish Brown (2.5Y 6/3) fine GRAVEL, some coarse Sand, Silt, little coarse Gravel.			
2		FILL: Dark Reddish Gray (2.5YR N3/1) SILT, some fine to medium Gravel and fine Sand, little COPR (10%), trace glass fragments.	N/A	OSB-11B(2.3-2.6)	Cr+6, TAL Metals
		FILL: Dark Olive Brown (2.5Y 3/3) coarse SAND and SILT, some fine Gravel, little Organics and COPR (10%), trace bick and ceramic fragments.	N/A	OSB-11C(3.0-3.3)	Cr+6, TAL Metals Cr+6, TAL Metals
4		FILL: Black (2.5YR 2.5/1) fine SAND, some fine Gravel, little Woody Organics and COPR (20%)	N/A	OSB-11D(3.7-4.0)	Cr+6, TAL Metals
		FILL: Refusal at 4.5 feet. No recovery	0.0 ppm		
6		FILL: Black (5Y 2.5/1) fine SAND, some Silt, little fine Gravel.	0.0 ppm	OSB-11E(6.1-7.2)	MS/MSD, Cr+6, TAL Metals
		NR: No Recovery	0.0 ppm		
8		FILL: Black (5Y 2.5/1) fine SAND, some Silt, little fine Gravel.	N/A	OSB-11F(8.1-8.6)	Cr+6, TAL Metals
		FILL: Dark Reddish Brown (5YR 3/2) CLAY, some Silt, little fine Gravel.	N/A	OSB-11G(8.6-9.3)	Cr+6, TAL Metals
			N/A	OSB-11H(9.3-9.8)	Cr+6, TAL Metals

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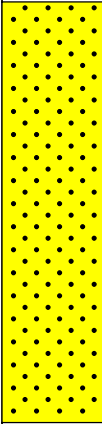
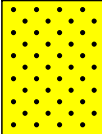
		Client: PPG Industries		BORING ID: OSB-11		
		Site: Site OSB				
Start Date: 1/3/2007		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610854.6 Y-683047		Depth of Boring: 28.00		
End Date: 2/2/2007		Elevation: 15.48		Geologist: P. Kelly		
		Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit/Heath Kneller		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

10		FILL: Very Dark Gray (5Y 3/1) ASH, some coarse Sand, fine Gravel and ceramic fragments.	N/A		
		NR: No Recovery			
12		FILL: Gray (10YR 5/1) ASH, some coarse SAND, fine Gravel, little ceramic fragments.		OSB-11I(12.5-13.0) OSB-11ID(12.5-13.0)	Cr+6, TAL Metals Cr+6, TAL Metals
14		NR: No Recovery			
16		FILL: Gray (10YR 5/1) ASH, some coarse SAND, fine Gravel, little ceramic fragments.			
		PEAT: Dark Brown (10YR 3/3) CLAY and ORGANICS (meadow mat).			
18					
		NR: No Recovery			

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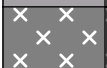


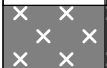
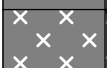
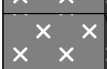

		Client: PPG Industries	BORING ID: OSB-11		
		Site: Site OSB			
Start Date: 1/3/2007	Project: Site Investigation		Page: 3 of 3		
	Coordinates: X-610854.6 Y-683047		Depth of Boring: 28.00		
End Date: 2/2/2007	Elevation: 15.48		Geologist: P. Kelly		
	Drill Subcontractor: Eichelberger/Terra Probe Incorporated		Driller: Luis Bendecit/Heath Kneller		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

20		SAND: Gray (10YR 5/1) coarse SAND, some Clay, trace fine Gravel and organic matter, medium stiff.	N/A	OSB-11J(20.7-21.1)	Cr+6, TAL Metals
22		NR: No Recovery	N/A		
24		SAND: Dark Red (2.5 YR 3/6) fine SAND, some Clay and fine Gravel.	N/A		Cr+6, TAL Metals
26		NR: No Recovery	N/A		
28		NULL: End of Boring at 28 ft.	N/A		

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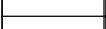
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	Site: Site 133	
Start Date: 7/19/2006	Project: Site Investigation	Page: 1 of 3
	Coordinates: X-611014.3 Y-683132.3	Depth of Boring: 28.00
End Date: 9/13/2006	Elevation: 13.85	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
0		ASPHALT: Asphalt	N/A		
		CONCRETE: Concrete			
		FILL: Olive brown (2.5Y4/3) coarse to medium SAND, some medium to fine Gravel, little Silt, dry. 95% COPR.		OSB-12A(1.0-1.5)	Cr+6, TAL Metals
2		NR: Soft Dig - No Recovery			
4		FILL: Very dark grayish brown (10YR3/2) coarse to medium SAND, some medium Gravel and Silt, trace Wood and Glass, wet. 10% COPR. Slight petroleum odor and sheen.	0.0	OSB-12B(4.2-4.7)	Cr+6, TAL Metals
		FILL: Green and Olive Gray (5Y 4/2) fine to medium SILTY SAND, trace Clay, wet.			
6		NR: No Recovery	0.0		
		FILL: Black (5Y 2.5/1) coarse to fine GRAVEL and fine SILTY SAND, moist.			
		NR: No Recovery			
8		FILL: Green and Olive Gray (5Y4/2) fine SILTY SAND, little to trace Clay, moist.	0.0	XOSB-12C(8.0-8.5)	Cr+6, TAL Metals
		FILL: Black (5Y 2.5/1) medium to fine GRAVEL and SILTY SAND (fill), moist.			
		FILL: Green and Olive Gray (5Y4/2) fine SILTY SAND, little to trace Clay, moist.			
10					

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-12
	Site: Site 133	
Start Date: 7/19/2006	Project: Site Investigation	Page: 2 of 3
	Coordinates: X-611014.3 Y-683132.3	Depth of Boring: 28.00
End Date: 9/13/2006	Elevation: 13.85	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
12		FILL: Black (5Y 2.5/1) and Whitish Green fine to coarse SAND and GRAVEL, moist. FILL: Green (Gley1 8/5YG and 5Y4/3) SILTY SAND, moist to wet.	0.0		
			0.0		
14				XOSB-12D(13.0-13.5)	Cr+6, TAL Metals
			0.2		
16			0.6		
			0.0		
18		FILL: Green (Gley1 8/5YG and 5Y4/3) SILTY SAND, very wet.		XOSB-12E(17.0-17.5)	Cr+6, TAL Metals
			0.0		
20		SILTY CLAY: Black (5Y 2.5/1) SILTY CLAY, trace medium to fine SAND and PEAT, wet.		XOSB-12F(19.5-20.0)	Cr+6, TAL Metals

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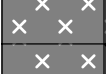



<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-12
	Site: Site 133	
Start Date: 7/19/2006	Project: Site Investigation	Page: 3 of 3
	Coordinates: X-611014.3 Y-683132.3	Depth of Boring: 28.00
End Date: 9/13/2006	Elevation: 13.85	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
<div> <div>22</div> <div>24</div> <div>26</div> <div>28</div> </div>		SILTY CLAY: Very dark gray (Gley 1 3/1) SILTY CLAY, wet.	0.0		
			0.0		
		SILTY SAND: Black (7.5 YR 2.5/1) SILTY SAND, little coarse to fine Gravel, wet.			
		SILTY SAND: Dark reddish brown (5YR 3/3) SILTY SAND, some to little medium to fine Gravel, wet.	0.0		
		SAND: Dusky red (2.5YR 3/2) coarse to fine SAND, some medium to fine Gravel, little to trace Silt, wet.			
		SAND: Dusky red (2.5YR 3/2) medium to fine SAND, some to little coarse Sand, trace Silt, wet.			
		SAND: Dusky red (2.5YR 3/2) coarse to fine SAND, some medium to fine Gravel, little to trace Silt, wet.	0.0		
		NULL: End of boring at 28 feet.			

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-13
	Site: Site 133	
Start Date: 7/20/2006	Project: Site Investigation	Page: 1 of 3
	Coordinates: X-611056.3 Y-683090.4	Depth of Boring: 28.00
End Date: 9/13/2006	Elevation: 13.71	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
0		ASPHALT: Asphalt	N/A		
		CONCRETE: Concrete			
		FILL: Very dark brown (7.5 YR 3/3) coarse to medium SAND, some coarse to fine Gravel, little Silt, dry. 50% COPR nodules.		OSB-13A(1.0-1.5)	MS/MSD, Cr+6, TAL Metals
2		NR: Soft Dig - No Recovery	0.0	OSB-13B(2.0-2.5)	Cr+6, TAL Metals
		FILL: Dusky red (7.5R3/4) some coarse Sand and fine Gravel, little Silt, wet. 100% COPR nodules			
		NR: Soft Dig - No Recovery			
4		FILL: Very dark grayish brown (10YR3/2) SILTY SAND, little Clay, wet.	0.0	XOSB-13C(4.5-5.5)	MS/MSD, Cr+6, TAL Metals
					
		NR: No Recovery			
6		FILL: Very dark grayish brown (2.5YR3/2) coarse to fine SAND, trace Silt, moist.	0.0	XOSB-13D(7.0-8.0)	Cr+6, TAL Metals
		FILL: Very dark grayish brown (2.5YR3/2) coarse to fine SAND and medium to fine GRAVEL, little to trace Silt, moist.		XOSB-13DD(7.0-8.0)	Cr+6, TAL Metals
		FILL: Olive (5Y 4/3) SILTY CLAY and coarse to fine SAND, moist.			
8		FILL: Yellowish brown (10YR5/6) SILTY CLAY becoming black (10YR2/1) SILTY SAND, moist.	0.0		
		FILL: Olive (5Y5/6) SILTY SAND, trace Gravel, moist.			
		FILL: Olive gray (5Y4/2) medium to fine SAND and CLAYEY SILT, moist.			

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-13
	Site: Site 133	
Start Date: 7/20/2006	Project: Site Investigation	Page: 2 of 3
	Coordinates: X-611056.3 Y-683090.4	Depth of Boring: 28.00
End Date: 9/13/2006	Elevation: 13.71	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
10			0.0	XOSB-13E(10.0-10.5)	Cr+6, TAL Metals
		FILL: Dark gray (5Y4/1) Clayey SILT and coarse to fine SAND, trace Gravel, moist.			
12		NR: No Recovery	5.6		
14		FILL: Olive gray (5Y4/2) SILTY SAND, little to trace Clay, wet.		XOSB-13F(13.5-14.0)	Cr+6, TAL Metals
		PEAT: PEAT.	0.0	XOSB-13G(14.0-14.5)	Cr+6, TAL Metals
16			0.0		
18			0.0		
				XOSB-13H(18.5-19.0)	Cr+6, TAL Metals
		NR: No Recovery			

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-13
	Site: Site 133	
Start Date: 7/20/2006	Project: Site Investigation	Page: 3 of 3
	Coordinates: X-611056.3 Y-683090.4	Depth of Boring: 28.00
End Date: 9/13/2006	Elevation: 13.71	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: ADI






Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
20		SILTY CLAY: Black (5Y 2.5/1) SILTY CLAY, trace Peat.	0.0		
22			0.0		
24		SILTY CLAY: Black (2.5YR 2.5/1) SILTY CLAY and medium to fine SAND.			
		CLAYEY SAND: Black (2.5YR 2.5/1) CLAYEY SAND, trace Organics.	0.0		
		SILTY SAND: Very dark grayish brown (10YR 3/2) SILTY SAND, little to trace Clay.			
26		SAND: Dark reddish brown (5YR3/3) coarse to fine SAND, trace Silt and fine Gravel.	0.0		
28		NULL: End of boring at 28 feet.			

NOTES:

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-14
	Site: Site 133	
Start Date: 9/28/2006	Project: Site Investigation	Page: 1 of 3
	Coordinates: X-611022.5 Y-682998.5	Depth of Boring: 30.00
End Date: 9/28/2006	Elevation: 14.75	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: TPI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
0		ASPHALT: Asphalt	0.0		
		FILL: Grayish brown (2.5Y5/2) coarse SAND and coarse to medium GRAVEL, some to little Silt, moist.		OSB-14A(0.4-0.9)	Cr+6, TAL Metals
2		FILL: Dark reddish brown (5YR3/3) coarse to medium SAND, some Silt, little medium to fine Gravel, wet. 85% COPR.	0.0		
		NR: No Recovery		OSB-14B(2.0-2.5)	Cr+6, TAL Metals
4		FILL: Dark reddish brown (5YR3/3) coarse to medium SAND, some Silt, little medium to fine Gravel, wet. 85% COPR.	0.0		
		NR: No Recovery		OSB-14C(4.0-4.5)	Cr+6, TAL Metals
8		FILL: Olive Yellow (5Y6/6) coarse to medium SAND and fine GRAVEL, some Silt, trace Clay(-), wet.	0.0		
				OSB-14D(8.0-8.5)	Cr+6, TAL Metals
10					

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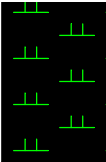
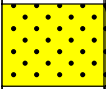
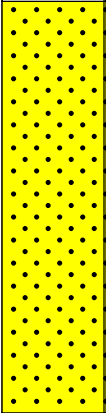
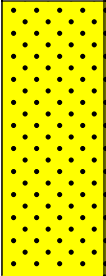
<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-14
	Site: Site 133	
Start Date: 9/28/2006	Project: Site Investigation	Page: 2 of 3
	Coordinates: X-611022.5 Y-682998.5	Depth of Boring: 30.00
End Date: 9/28/2006	Elevation: 14.75	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: TPI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
12			0.0	OSB-14E(12.0-12.5)	Cr+6, TAL Metals
14			14.7	OSB-14F(16.0-16.5)	Cr+6, TAL Metals
16		PEAT: PEAT.	14.7		
18			7.1		
20		NR: No Recovery			
		PEAT: PEAT.			

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-14
	Site: Site 133	
Start Date: 9/28/2006	Project: Site Investigation	Page: 3 of 3
	Coordinates: X-611022.5 Y-682998.5	Depth of Boring: 30.00
End Date: 9/28/2006	Elevation: 14.75	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: TPI





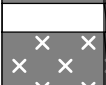


Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
22			0.0		
		SILTY CLAY: Black (7.5YR2.5/1) SILTY CLAY, some fine to very fine Sand, wet to moist.			
		SAND: Black (7.5YR2.5/1) fine to very fine SAND, some Silt, little Clay and medium Sand, wet.			
		NR: No Recovery	0.0		
24		SAND: Dark reddish brown (5YR3/3) coarse to medium SAND, some fine Sand and Silt, wet.			
26					
		NR: No Recovery	0.0		
28		SAND: Dark reddish brown (5YR3/3) coarse to medium SAND, some fine Sand and Silt, wet.			
30		NULL: End of boring at 30 feet.			

NOTES:

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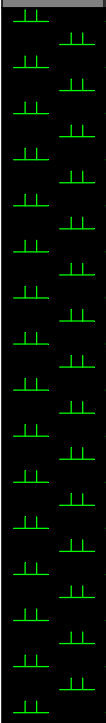
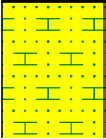
<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-15
	Site: Site 133	
Start Date: 7/19/2006	Project: Site Investigation	Page: 1 of 3
	Coordinates: X-611116.4 Y-683020.6	Depth of Boring: 28.00
End Date: 9/12/2006	Elevation: 12.98	Geologist: M. Abdelaziz, R. Firely
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
0		ASPHALT: Asphalt	N/A		
		CONCRETE: Concrete			
		FILL: Light olive gray (5Y6/2) coarse to medium SAND, medium to fine Gravel, little Silt, dry. 10% COPR.		OSB-15A(1.1-1.6)	Cr+6, TAL Metals
2		NR: Soft Dig - No Recovery			
4			0.0		
		FILL: Very dark grayish brown (10YR3/2) coarse to medium SAND, some medium Gravel and Silt, trace Wood and Glass, wet. ~10% COPR. Petroleum odor and Sheen.		OSB-15B(4.3-4.8)	Cr+6, TAL Metals
		NR: Soft Dig - No Recovery			
6		FILL: Very dark grayish brown (10YR3/2) coarse to medium SAND, some medium Gravel and Silt, trace Wood and Glass, wet. 5% COPR.	0.0		
		FILL: Dark reddish brown (5YR3/4) coarse angular GRAVEL, wet.			
		NR: No Recovery			
8		FILL: Dark brown to black (10YR 3/3-2/1) Silt, some fine Sand, trace Organics, wet. Slight sheen and MGP like odor.	17.5	XOSB-15C(8.0-8.5)	Cr+6, TAL Metals
		NR: No Recovery			

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-15
	Site: Site 133	
Start Date: 7/19/2006	Project: Site Investigation	Page: 2 of 3
	Coordinates: X-611116.4 Y-683020.6	Depth of Boring: 28.00
End Date: 9/12/2006	Elevation: 12.98	Geologist: M. Abdelaziz, R. Firely
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
10		FILL: Black to dark brown (10YR2/1-little 3/3) SILT, little Clay and fine Sand, trace Organics, wet. Sheen and MPG like odor.	N/A		
				XOSB-15D(11.0-11.5)	Cr+6, TAL Metals
12		NR: No Recovery	5.6		
		FILL: Black to dark brown (10YR2/1-little 3/3) SILT, little Clay and fine Sand, trace Organics, wet. Sheen and MPG like odor.			
		FILL: Reddish brown (5YR4/4) fine SAND and SILT, trace medium to fine Gravel, wet.			
14		PEAT: PEAT, moist.	0.7	XOSB-15E(14.0-14.5)	Cr+6, TAL Metals
16			3.3		
18					
			1.7		
		SILT AND CLAY: Dark gray (10YR4/1) SILT and CLAY, some Organic material, moist.			

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-15
	Site: Site 133	
Start Date: 7/19/2006	Project: Site Investigation	Page: 3 of 3
	Coordinates: X-611116.4 Y-683020.6	Depth of Boring: 28.00
End Date: 9/12/2006	Elevation: 12.98	Geologist: M. Abdelaziz, R. Firely
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
20		SILT AND CLAY: Dark gray (10YR4/1) SILT and CLAY, trace Organic material, moist.	3.1		
22			1.0		
24			SAND AND SILT: Red (2.5YR4/6) Fine SAND and SILT, some Clay, wet.		
		SAND: Dark reddish brown (5YR3/2) fine SAND, some Silt, trace Organics, wet.	0.0		
26		NR: No Recovery	0.0		
		SAND AND SILT: Dark reddish brown (2.5YR3/4) fine SAND and SILT, trace coarse to medium Sand, wet.			
		NR: No Recovery			
28	NULL: End of boring at 28 feet.				

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-16
	Site: Site 133	
Start Date: 9/28/2006	Project: Site Investigation	Page: 1 of 3
	Coordinates: X-611087 Y-682921.2	Depth of Boring: 28.00
End Date: 9/28/2006	Elevation: 14.95	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: TPI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
0		CONCRETE: Concrete, yellowish staining. 90% COPR.	0.0		
				OSB-16A(0.3-0.8)	Cr+6, TAL Metals
		FILL: Pale olive (5Y6/4) coarse to medium SAND, some Silt, trace fine Gravel, moist.			
2		FILL: Pale olive (5Y6/4) fine to very fine SAND, some Silt and Clay, trace medium Sand, moist.	0.0		
4		FILL: Black (5YR2.5/1) coarse SAND and medium to fine Gravel, some Coal Ash, wet.	0.0		
				OSB-16B(3.5-4.0)	Cr+6, TAL Metals
6			0.0		
8		NR: No Recovery	0.0		
		FILL: Black (5YR2.5/1) coarse SAND and medium to fine Gravel, some Coal Ash, wet.			
10		FILL: Pale olive (5Y6/4) coarse to medium SAND, some Silt, trace fine Gravel, wet.	0.0		
				OSB-16D(10.0-11.0)	MS/MSD, Cr+6, TAL Metals

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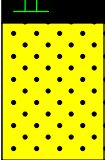
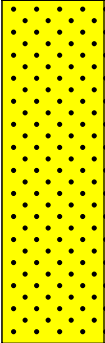
<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-16
	Site: Site 133	
Start Date: 9/28/2006	Project: Site Investigation	Page: 2 of 3
	Coordinates: X-611087 Y-682921.2	Depth of Boring: 28.00
End Date: 9/28/2006	Elevation: 14.95	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: TPI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
12			0.0		
14			8.2	OSB-16E(14.0-14.5) OSB-16ED(14.0-14.5)	Cr+6, TAL Metals Cr+6, TAL Metals
16			8.2		
18		PEAT: PEAT.	N/A	OSB-16F(17.4-17.9)	Cr+6, TAL Metals
20		NR: No Recovery	N/A		
		PEAT: PEAT.			

NOTES:
Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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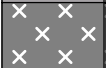

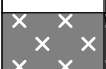




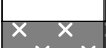
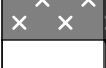


<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-16
	Site: Site 133	
Start Date: 9/28/2006	Project: Site Investigation	Page: 3 of 3
	Coordinates: X-611087 Y-682921.2	Depth of Boring: 28.00
End Date: 9/28/2006	Elevation: 14.95	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: TPI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
22		SAND: Dark gray (5YR4/1) medium to fine SAND, trace Clay, wet.	16.4		
		NR: No Recovery			
24		SAND: Dark gray (5YR4/1) medium to fine SAND, some medium to fine Gravel, trace Clay, wet.			
26		NR: No Recovery			
28		NULL: End of boring at 28 feet.			

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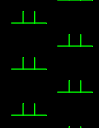
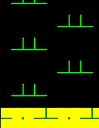
<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-17
	Site: Site 133	
Start Date: 7/19/2006	Project: Site Investigation	Page: 1 of 3
	Coordinates: X-611166.6 Y-682972	Depth of Boring: 28.00
End Date: 9/12/2006	Elevation: 13.05	Geologist: M. Abdelaziz, R. Firely
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
0		ASPHALT: Asphalt	N/A		
		CONCRETE: Concrete		OSB-17A(0.4-1.4)	MS/MSD, Cr+6, TAL Metals
2		FILL: Dark gray (7.5YRN4) coarse medium SAND, some medium to fine Gravel, little fine Sand and Silt, dry. 40% COPR.	0.0		
		NR: Soft Dig - No Recovery			
4		FILL: Dark gray (7.5YRN4) coarse to medium SAND, some medium to fine Gravel and Silt, little fine Sand and Clay, moist. 40% COPR.	0.5		
		NR: Soft Dig - No Recovery			
6		FILL: Dark gray (7.5YRN4) WOOD CHIPS, some Glass pieces and Silt, little medium Sand, wet.	5.8	OSB-17B(4.2-4.7)	Cr+6, TAL Metals
		NR: Soft Dig - No Recovery			
8		FILL: Very dark brown (10YR2/2) medium to fine SAND and SILT, some Coal ash, little medium to fine Gravel, wet.		XOSB-17C(6.2-7.2)	MS/MSD, Cr+6, TAL Metals
		NR: No Recovery			
		FILL: Very dark brown (10YR2/2) coarse to fine SAND and medium to fine GRAVEL, wet. MGP like odor and slight sheen.		XOSB-17D(8.2-9.2)	Cr+6, TAL Metals
				XOSB-17DD(8.2-9.2)	Cr+6, TAL Metals
					

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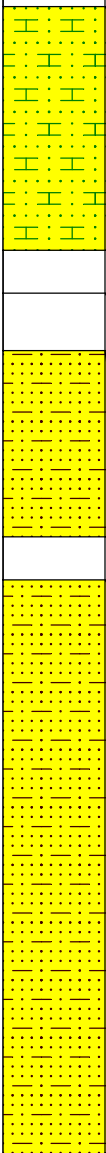
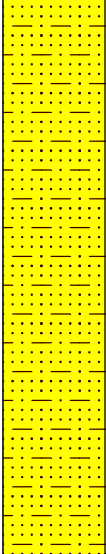
<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-17
	Site: Site 133	
Start Date: 7/19/2006	Project: Site Investigation	Page: 2 of 3
	Coordinates: X-611166.6 Y-682972	Depth of Boring: 28.00
End Date: 9/12/2006	Elevation: 13.05	Geologist: M. Abdelaziz, R. Firely
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
10		FILL: Very dark grayish brown (10YR3/2) fine SAND and SILT, trace Clay, wet.	8.5	XOSB-17E(10.2-10.7)	Cr+6, TAL Metals
		FILL: Reddish brown (5YR4/4) fine SAND and SILT, trace Clay, wet.			
12		NR: No Recovery	1.5	XOSB-17F(12.2-12.7)	Cr+6, TAL Metals
		FILL: Reddish brown (5YR4/4) fine SAND and SILT, trace Clay, wet.			
14		NR: No Recovery	0.6	XOSB-17G(14.2-14.7)	Cr+6, TAL Metals
		FILL: Reddish brown (5YR4/4) fine SAND and SILT, trace Clay, wet.			
16		PEAT: PEAT.	10.0	XOSB-17H(16.0-16.5)	Cr+6, TAL Metals
		NR: No Recovery			
		PEAT: PEAT, peat-like odor			
18			2.2		
		SILT AND CLAY: Dark gray (10YR4/1)SILT and CLAY, wet.			
		NR: No Recovery			

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-17
	Site: Site 133	
Start Date: 7/19/2006	Project: Site Investigation	Page: 3 of 3
	Coordinates: X-611166.6 Y-682972	Depth of Boring: 28.00
End Date: 9/12/2006	Elevation: 13.05	Geologist: M. Abdelaziz, R. Firely
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
20		SILT AND CLAY: Dark gray (10YR4/1)SILT and CLAY, wet.	0.7		
22		NR: No Recovery	51.4		
		SAND AND GRAVEL: Dark reddish brown (5YR3/3) coarse to fine SAND and medium to fine GRAVEL, little coarse Gravel. MGP like odor and sheen.			
		SAND AND SILT: Dark reddish brown (5YR3/3) fine SAND and SILT. MGP like odor and sheen.	11.4		
24		NR: No Recovery			
		SAND AND SILT: Dark reddish brown (5YR3/3) fine SAND and SILT. MGP like odor and sheen.	3.2	XOSB-17L(26.0-27.0)	Cr+6, TAL Metals
26				XOSB-17LD(26.0-27.0)	Cr+6, TAL Metals
28		NULL: End of boring at 28 feet.			

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-18
	Site: Site 133	
Start Date: 9/28/2006	Project: Site Investigation	Page: 1 of 3
	Coordinates: X-611131.1 Y-682870.5	Depth of Boring: 28.00
End Date: 9/28/2006	Elevation: 14.91	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: TPI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
0		CONCRETE: Concrete, yellowish staining. 90% COPR.	0.0		
		FILL: Pale olive (5Y6/4) coarse to medium SAND, some Silt, trace medium to fine Gravel, moist.		OSB-18A(0.4-0.9)	Cr+6, TAL Metals
2			0.0		
4		FILL: Pale olive (5Y6/4) coarse to medium SAND, some Silt, trace medium to fine Gravel, wet.	0.0	OSB-18B(4.0-4.5)	Cr+6, TAL Metals
6		FILL: Pale olive (5Y6/4) fine to very fine SAND, some Silt and Clay, trace medium Sand, wet.	0.0	OSB-18C(6.0-6.5)	Cr+6, TAL Metals
8			0.0		
10				OSB-18D(10.0-10.5)	Cr+6, TAL Metals

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-18
	Site: Site 133	
Start Date: 9/28/2006	Project: Site Investigation	Page: 2 of 3
	Coordinates: X-611131.1 Y-682870.5	Depth of Boring: 28.00
End Date: 9/28/2006	Elevation: 14.91	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: TPI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
12			0.0		
14		FILL: Reddish brown (5YR4/3) coarse SAND and fine GRAVEL, some medium Sand, trace Silt, wet.		OSB-18E(13.0-13.5)	Cr+6, TAL Metals
16		FILL: Pale olive (5Y6/4) medium to fine SAND, some Silt, trace Clay(-), wet.		OSB-18F(15.5-16.0)	Cr+6, TAL Metals
18			9.1		
20		PEAT: PEAT.		OSB-18G(18.5-19.0)	Cr+6, TAL Metals
			N/A		

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-18
	Site: Site 133	
Start Date: 9/28/2006	Project: Site Investigation	Page: 3 of 3
	Coordinates: X-611131.1 Y-682870.5	Depth of Boring: 28.00
End Date: 9/28/2006	Elevation: 14.91	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: TPI







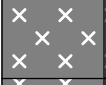



Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
22 <					

NOTES:

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-19
	Site: Site 133	
Start Date: 7/18/2006	Project: Site Investigation	Page: 1 of 3
	Coordinates: X-611217.1 Y-682922.8	Depth of Boring: 28.00
End Date: 9/11/2006	Elevation: 13.11	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
0		ASPHALT: Asphalt	N/A		
		CONCRETE: Concrete			
		FILL: Weak red (2.5YR4/2) medium SAND, some fine Sand and fine Gravel, little Silt, trace Clay, dry. 40% COPR.	0.0	OSB-19A(0.9-1.4)	Cr+6, TAL Metals
2		FILL: Dark red (7.5YR3/6) medium SAND, some fine Sand and fine Gravel, little Silt, trace Clay, dry. 10% COPR.			
		FILL: Dark red (7.5YR3/6) medium SAND, some fine Sand and fine Gravel, little Silt, trace Clay, dry. 90% COPR.			
4			19.6		
		FILL: Pinkish gray (7.5YR7/2) fine to very fine SAND and SILT, some very fine Gravel, moist.			
6		FILL: Weak red (10R4/2) coarse to fine SAND, some Silt, trace fine Gravel, moist.			
8		FILL: Very dark gray (2.5YRN3) medium to fine GRAVEL, some coarse to medium Sand, trace Silt and fine Sand, wet. Petroleum odor and sheen.	50.4	OSB-19D(9.2-9.7)	Cr+6, TAL Metals
10		NR: No Recovery			

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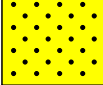




<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-19
	Site: Site 133	
Start Date: 7/18/2006	Project: Site Investigation	Page: 2 of 3
	Coordinates: X-611217.1 Y-682922.8	Depth of Boring: 28.00
End Date: 9/11/2006	Elevation: 13.11	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
12		FILL: Very dark gray (2.5YRN3) SILTY CLAY, some fine Sand, trace medium Sand, wet. Petroleum odor and sheen.	1.4-2.3	OSB-19E(10.8-11.3)	MS/MSD, Cr+6, TAL Metals
		NR: No Recovery			
14		FILL: PEAT (Uplifted - fill), wet. Petroleum odor and sheen.	0.0	OSB-19F(13.5-14.0) OSB-19FD(13.5-14.0)	Cr+6, TAL Metals Cr+6, TAL Metals
		NR: No Recovery			
16		FILL: Very dark gray (2.5YRN3) SILTY CLAY, some fine to very fine Sand, trace fine Gravel, wet. Petroleum odor and sheen.	5.6		
		FILL: Rotted WOOD. Petroleum odor and sheen.			
18		PEAT: PEAT, dry.	5.3	XOSB-19H(18.0-18.5) XOSB-19HD(18.0-18.5)	Cr+6, TAL Metals Cr+6, TAL Metals
		SAND: Gray (7.5YR5/1) fine to very fine SAND, some Silt, trace Clay, moist.			
20		CLAYEY SAND: Gray (7.5YR5/1) CLAYEY SILT, some fine to very fine Sand, trace Peat, wet.	1.2		

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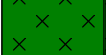
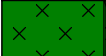
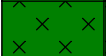
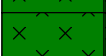


	Client: PPG Industries	BORING ID: OSB-19
	Site: Site 133	
Start Date: 7/18/2006	Project: Site Investigation	Page: 3 of 3
	Coordinates: X-611217.1 Y-682922.8	Depth of Boring: 28.00
End Date: 9/11/2006	Elevation: 13.11	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
22		SAND: Gray (7.5YR5/1) fine to very fine SAND, some Silt, trace coarse Sand, moist.	2.2		
		NR: No Recovery			
24		SAND: Gray (7.5YR5/1) fine to very fine SAND, some Silt, trace coarse Sand and Clay, moist.	3.3		
		SAND: Dark brown (7.5YR3/2) coarse SAND, some fine Gravel, little Silt, moist to dry.			
26		SAND: Dark reddish brown (5YR3/4) coarse to medium SAND, little Silt and fine Sand, wet.	5.3		
		SAND: Dark reddish brown (5YR3/4) fine to very fine SAND, little Silt, trace coarse Sand, wet.			
28		NULL: End of boring at 28 feet.			

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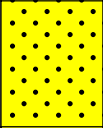
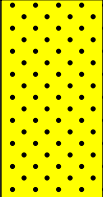
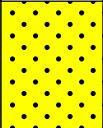
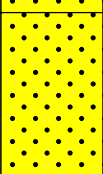
		Client: PPG Industries		BORING ID: OSB-2	
		Site: Site OSB			
Start Date: 9/6/2006		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X-610944.6 Y-683817.4		Depth of Boring: 20.00	
End Date: 9/7/2006		Elevation: 12.23		Geologist: M. Abdelaziz	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete	N/A		
		FILL: Dark reddish brown (2.5YR3/3) coarse to medium SAND, some Silt and medium Gravel, little to trace Clay, wet.	N/A	OSB-2A(0.5-1.0)	MS/MSD, SVOCs
		NR: No Sample			
2		FILL: Reddish black (2.5YR2.5/1) coarse to medium SAND, some Silt, little Clay, trace fine Gravel, wet.	N/A	OSB-2B(2.0-2.5) OSB-2BD(2.0-2.5)	SVOCs SVOCs
		FILL: Reddish black (2.5YR2.5/1) coarse GRAVEL.			
4		FILL: Very Dark Gray (2.5Y 3/1) silty SAND, some Clay, trace very fine Gravel, wet.	N/A	OSB-2C(4.0-4.5)	SVOCs
6		FILL: Brown (7.5YR 4/3) silty SAND, some medium Sand, trace Clay, wet.	N/A	OSB-2D(6.5-7.0)	MS/MSD, SVOCs
		NR: No Recovery			
8		FILL: Brown (7.5YR 4/3) silty SAND, some medium Sand, trace Clay, wet.	N/A	OSB-2E(8.0-8.5)	SVOCs
10		SAND: Brown (7.5YR4/3) coarse to medium SAND, some Silt, trace fine Gravel(-), wet.	N/A	OSB-2F(9.5-10.0)	SVOCs

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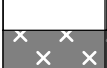



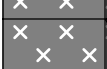



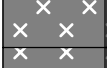
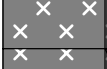


		Client: PPG Industries	BORING ID: OSB-2		
		Site: Site OSB			
Start Date: 9/6/2006	Project: Site Investigation		Page: 2 of 2		
	Coordinates: X-610944.6 Y-683817.4		Depth of Boring: 20.00		
End Date: 9/7/2006	Elevation: 12.23		Geologist: M. Abdelaziz		
	Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

		NR: No Recovery			
12		SAND: Brown (7.5YR4/3) coarse to medium SAND, some fine Gravel, little Silt, wet.	2.6 ppm		
		SAND: Brown (7.5YR4/3) coarse to medium SAND, some Silt, trace fine Gravel(-), wet.			
14					
		NR: No Recovery			
16		SAND: Brown (7.5YR4/3) coarse to medium SAND, some fine Gravel, little Silt, wet.	2.4 ppm		
		SAND: Brown (7.5YR4/3) coarse to medium SAND, some Silt, trace fine Gravel(-), wet.			
18					
		NR: No Recovery			
20					
		NULL: End of boring at 20 feet.			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-21
	Site: Site 133	
Start Date: 7/18/2006	Project: Site Investigation	Page: 1 of 3
	Coordinates: X-611281 Y-682858.2	Depth of Boring: 30.00
End Date: 9/11/2006	Elevation: 12.93	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
0		ASPHALT: Asphalt	N/A		
		CONCRETE: Concrete			
		FILL: Dusky red (2.5YR3/2) coarse to fine SAND, some medium to fine Gravel, trace Silt, dry. 35% COPR.		OSB-21A(1.15-1.65)	Cr+6, TAL Metals
2		NR: Soft Dig - No Recovery			
		FILL: Reddish gray (5YR5/2) medium to fine SAND, some medium Gravel and Slag, little Silt, trace(-) Clay, wet.		OSB-21B(2.7-3.2)	Cr+6, TAL Metals
		NR: Soft Dig - No Recovery			
4		FILL: Black (5YR2.5/1) SILTY SAND, some Glass, Cinders and Tiles, wet.	0.1		
		FILL: Gray (5YR5/1) coarse to medium SAND, some Silt, wet.			
		NR: No Recovery			
6		FILL: Black (5YR2.5/1) SILTY SAND, some Glass, Cinders and Tiles, wet.	0.1		
		FILL: Gray (5YR5/1) coarse to medium SAND, some Silt, wet.			
		FILL: Brown (7.5YR4/2) medium SAND, some Silt, little fine Gravel, trace Clay, moist.			
8		NR: No Recovery	0.4		
		FILL: Dark grayish brown (10YR4/2) coarse to medium SAND, some Silt, little fine to very fine Gravel, trace Clay, wet.			
		FILL: Dark grayish brown (10YR4/2) medium to fine SAND, some Silt and Clay, trace coarse Sand, wet.			
10		NR: No Recovery	12.8		
					

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-21
	Site: Site 133	
Start Date: 7/18/2006	Project: Site Investigation	Page: 2 of 3
	Coordinates: X-611281 Y-682858.2	Depth of Boring: 30.00
End Date: 9/11/2006	Elevation: 12.93	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
12		FILL: Dark reddish gray (10R3/1) SILTY SAND, some Clay, trace medium Sand and olive yellow (5Y6/8) fine Gravel, wet.	49.3	OSB-21C(13.3-13.8)	Cr+6, TAL Metals
		NR: No Recovery			
		FILL: Dark reddish gray (10R3/1) SILTY SAND, some Clay, trace medium Sand and olive yellow (5Y6/8) fine Gravel, wet.			
14		FILL: Very dark brown (7.5YR2.5/2) fine to very fine SAND, some Silt, trace fine Gravel and Clay, wet. Petroleum odor and sheen.	39.5		
		PEAT: PEAT, wet. Petroleum odor and sheen.			
		NR: No Recovery			
16		PEAT: PEAT, wet. Petroleum odor and sheen.	78.8		
		NR: No Recovery			
18		PEAT: PEAT, wet. Petroleum odor and sheen.	7.3		
20			6.2	XOSB-21E(20.0-21.0)	MS/MSD, Cr+6, TAL Metals

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-21
	Site: Site 133	
Start Date: 7/18/2006	Project: Site Investigation	Page: 3 of 3
	Coordinates: X-611281 Y-682858.2	Depth of Boring: 30.00
End Date: 9/11/2006	Elevation: 12.93	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: ADI



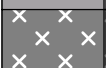
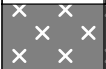
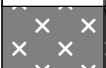

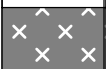

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
22		SILTY CLAY: Gray (gley16/1) SILTY CLAY, some fine to very fine Sand, wet.	7.3		
		NR: No Recovery			
		SILTY CLAY: Gray (gley16/1) SILTY CLAY, some fine to very fine Sand, wet.			
		SAND: Gray (gley16/1) coarse to medium SAND, some Silt, trace fine Sand, wet.			
24		NR: No Recovery	0.4		
		SAND: Dark reddish brown (2.5YR3/3) coarse SAND, some medium Sand and Silt, trace fine Gravel, wet.			
		NR: No Recovery			
26		NR: No Recovery	1.4		
		SAND: Dark reddish brown (2.5YR3/3) coarse SAND, some medium Sand and Silt, trace fine Gravel, wet.			
		NR: No Recovery			
28		NR: No Recovery	6.2		
		SAND: Dark reddish brown (2.5YR3/3) coarse SAND, some medium Sand and Silt, trace fine Gravel, wet.			
		NR: No Recovery			
30		NULL: End of boring at 30 feet.			

NOTES:

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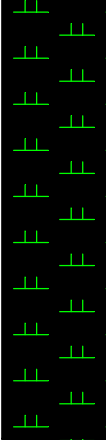


<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-22
	Site: Site 133	
Start Date: 7/18/2006	Project: Site Investigation	Page: 1 of 3
	Coordinates: X-611312.6 Y-682776	Depth of Boring: 30.00
End Date: 7/25/2006	Elevation: 12.14	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
0		ASPHALT: Asphalt	N/A		
		CONCRETE: Concrete			
		FILL: Dusky red (2.5YR3/2) medium to fine SAND, some medium to fine Gravel, trace Silt, dry. 25% COPR.		OSB-22A(1.05-1.55)	MS/MSD, Cr+6, TAL Metals
2		NR: Soft Dig - No Recovery	N/A		
4		FILL: Light brownish gray (2.5Y6/2) fine SAND, some Slag and medium Gravel, little Clay and Silt, wet. >10% COPR.		OSB-22B(4.0-4.5) OSB-22BD(4.0-4.5)	Cr+6, TAL Metals Cr+6, TAL Metals
		NR: Soft Dig - No Recovery			
6		FILL: Gray (7.5YRN6) CINDERS, some Glass and coarse to medium Sand, little Silt, wet.	N/A		
		NR: No Recovery			
8		FILL: Very dark gray (7.5YRN3) CINDERS, some Glass and coarse to medium Sand, little Silt, wet.			
10		FILL: Dark brown (7.5YR3/2) fine to very fine SAND, PEAT and SILT, moist to wet.			

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-22
	Site: Site 133	
Start Date: 7/18/2006	Project: Site Investigation	Page: 2 of 3
	Coordinates: X-611312.6 Y-682776	Depth of Boring: 30.00
End Date: 7/25/2006	Elevation: 12.14	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
12			N/A	OSB-22C(11.0-12.0)	MS/MSD, Cr+6, TAL Metals
		NR: No Recovery			
		FILL: Very dark gray (7.5YRN3) CINDERS, some Glass and coarse to medium Sand, little Silt, wet.			
14		FILL: Dark reddish brown (5YR3/2) fine to very fine SAND, some Silt, trace coarse Sand, wet.	N/A		
16			N/A	OSB-22D(16.8-17.3)	Cr+6, TAL Metals
		PEAT: PEAT.			
18			N/A		
20					
		PEAT: Black (5YR2.5/1) PEAT, some fine to very fine Sand and Silt, moist.			

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-22
	Site: Site 133	
Start Date: 7/18/2006	Project: Site Investigation	Page: 3 of 3
	Coordinates: X-611312.6 Y-682776	Depth of Boring: 30.00
End Date: 7/25/2006	Elevation: 12.14	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: ADI




Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
22		SAND: Gray (7.5RN5) fine to very fine SAND, some Silt, trace Clay, moist.			
24		NR: No Recovery	0.0		
26		SAND: Weak red (10R4/3) coarse to medium SAND, some Silt and fine Sand, wet.			
28			0.0		
30		NULL: End of boring at 30 feet.			

NOTES:

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<div>ENSR AECOM</div>		Client: PPG Industries			BORING ID: OSB-23		
		Site: Site 114					
Start Date: 7/20/2006		Project: Site Investigation			Page: 1 of 1		
		Coordinates: X-611442.6 Y-682904.4			Depth of Boring: 4.10		
End Date: 7/20/2006		Elevation: 12.84			Geologist: M. Abdelaziz		
		Drill Subcontractor:			Driller: ADI		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		ASPHALT: Asphalt	N/A		
		FILL: Very dark grayish brown (10YR3/2) coarse to fine SAND and medium GRAVEL, trace Silt, dry. 10% COPR.	N/A	OSB-23A(0.5-1.0)	Cr+6, TAL Metals
		NR: Soft Dig - No Recovery			
2		FILL: Brown (7.5YR5/4) fine to very fine SAND, some Silt and Clay, trace fine Gravel, moist. 20% COPR.	N/A	OSB-23B(1.7-2.2)	Cr+6, TAL Metals
		NR: Soft Dig - No Recovery			
4					
		FILL: Refusal due to concrete slab, moved 1 foot toward building.			

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-24
	Site: Site 133	
Start Date: 7/24/2006	Project: Site Investigation	Page: 1 of 3
	Coordinates: X-611601.4 Y-683065.4	Depth of Boring: 27.00
End Date: 7/31/2006	Elevation: 14.07	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
0		ASPHALT: Asphalt	N/A		
		FILL: Black (7.5R2.5) coarse to medium SAND, some medium to fine Gravel, trace Silt, dry.		OSB-24A(0.5-1.0)	Cr+6, TAL Metals
		NR: Soft Dig - No Recovery			
2					
4					
		FILL: Dark gray (7.5YRN4) medium SAND, some Silt, trace fine to very fine Gravel, wet.	0.0	OSB-24B(4.5-5.0)	Cr+6, TAL Metals
6		FILL: Very dark gray (7.5RN3) GLASS, COAL ASH and WOOD CHIPS, some coarse Sand, trace Cinder, dry. Petroleum odor.			
		FILL: Very dark gray (7.5RN3) GLASS, COAL ASH and WOOD CHIPS, some coarse Sand, trace Cinder, wet. Petroleum odor and sheen.	0.0	OSB-24C(8.0-9.0)	MS/MSD, Cr+6, TAL Metals
8					
10			0.0		

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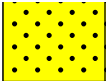



<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-24
	Site: Site 133	
Start Date: 7/24/2006	Project: Site Investigation	Page: 2 of 3
	Coordinates: X-611601.4 Y-683065.4	Depth of Boring: 27.00
End Date: 7/31/2006	Elevation: 14.07	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
12		FILL: Dark brown (7.5YR3/3) medium to fine SAND, some Silt, trace(-) Clay, wet to moist. 25% COPR.	0.0		
				OSB-24D(11.7-12.7)	Cr+6, TAL Metals
				OSB-24DD(11.7-12.7)	Cr+6, TAL Metals
14		NR: No Recovery	0.0		
16		FILL: Very dark gray (7.5RN3) GLASS, COAL ASH and WOOD CHIPS, some coarse Sand, trace Cinder, wet. Petroleum odor and sheen.	0.0		
18		FILL: Dark brown (7.5YR3/3) medium to fine SAND, some Silt, trace(-) Clay, wet to moist.	0.0		
20		PEAT: PEAT, dry.	0.0		
				OSB-24E(15.5-16.0)	Cr+6, TAL Metals
		NR: No Recovery	0.0		
		PEAT: PEAT	0.0		
		SAND: Gray (7.5RN5) coarse to medium SAND, some Silt and fine Sand, trace fine Gravel, wet.	0.0		

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-24
	Site: Site 133	
Start Date: 7/24/2006	Project: Site Investigation	Page: 3 of 3
	Coordinates: X-611601.4 Y-683065.4	Depth of Boring: 27.00
End Date: 7/31/2006	Elevation: 14.07	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: ADI





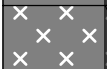
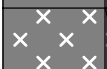


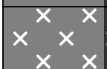
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
22		NR: No Recovery	0.0		
		SAND: Reddish brown (2.5YR4/4) coarse to medium SAND, some Silt and fine Sand, trace fine Gravel, wet. Napthalene odor.	0.0		
24					
26		SAND: Reddish brown (2.5YR4/4) coarse to medium SAND, some Silt and fine Sand, trace coarse Gravel, wet. Napthalene odor.	0.0		
		NR: No Recovery			
		NULL: End of boring at 27 feet.			

NOTES:

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-25
	Site: Site 133	
Start Date: 7/24/2006	Project: Site Investigation	Page: 1 of 3
	Coordinates: X-611637.9 Y-683100.4	Depth of Boring: 27.00
End Date: 7/31/2006	Elevation: 14.79	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
0		ASPHALT: Asphalt	N/A		
		FILL: Very dark gray (10YR3/1) coarse to medium SAND, some medium to fine Gravel, little Silt, dry.		OSB-25A(0.5-1.0)	MS/MSD, Cr+6, TAL Metals
2		NR: Soft Dig - No Recovery	0.0		
		FILL: Dark gray (7.5RN4) coarse to medium SAND, some Silt, little medium to fine Gravel, trace Clay, dry.			
4		NR: Soft Dig - No Recovery	0.0		
		FILL: Dark gray (7.5RN4) coarse to medium SAND, some Silt, little medium to fine Gravel, trace Clay, dry.		OSB-25B(4.5-5.0)	Cr+6, TAL Metals
6		FILL: Black (7.5R2.5) GLASS, COAL ASH and SLAG, dry.	0.0		
		FILL: Dark brown (7.5YR4/3) coarse to medium SAND, some Silt, little medium to fine Gravel, trace Clay, dry.			
8		NR: No Recovery	0.0		
		FILL: Dark brown (7.5YR4/3) coarse to medium SAND, some Silt, little medium to fine Gravel, trace Clay, dry.		OSB-25C(7.2-7.6)	Cr+6, TAL Metals
10		NR: No Recovery	183.0		
		FILL: PEAT.		OSB-25D(9.0-9.5)	Cr+6, TAL Metals
		FILL: Dark brown (7.5YR4/3) coarse to medium SAND, some Silt, little medium to fine Gravel, trace Clay, dry.			

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ENSR AECOM	Client: PPG Industries	BORING ID: OSB-25
	Site: Site 133	
Start Date: 7/24/2006	Project: Site Investigation	Page: 2 of 3
	Coordinates: X-611637.9 Y-683100.4	Depth of Boring: 27.00
End Date: 7/31/2006	Elevation: 14.79	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
12	NR	NR: No Recovery	0.0		
14	FILL	FILL: Very dark grayish brown (10YR3/2) medium to fine SAND, some Silt, trace fine Gravel and Clay, moist. 10% COPR.	0.0		
				OSB-25E(14.0-14.5)	Cr+6, TAL Metals
16	NR	NR: No Recovery	0.0		
	FILL	FILL: Very dark grayish brown (10YR3/2) medium to fine SAND, some Silt, trace fine Gravel and Clay, moist. 10% COPR.		OSB-25F(15.5-16.0)	Cr+6, TAL Metals
18	FILL	FILL: PEAT			
20	NR	NR: No Recovery	0.0		
	FILL	FILL: Very dark grayish brown (10YR3/2) medium to fine SAND, some Silt, trace fine Gravel and Clay, moist. 10% COPR. Napthalene odor.			

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Depth (ft)

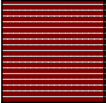







22

NULL: End of boring at 27 feet.

NOTES:

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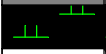
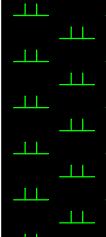
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	Site: Site 133	
Start Date: 7/12/2006	Project: Site Investigation	Page: 1 of 3
	Coordinates: X-611339.3 Y-683894.6	Depth of Boring: 28.00
End Date: 8/4/2006	Elevation: 16.54	Geologist: M. Abdelaziz, R. Firely
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
0		ASPHALT: Asphalt and coarse Concrete cobbles.	N/A		
		FILL: Dark grayish brown (2.5Y4/2) medium SAND and SILT, little coarse Sand and medium to fine Gravel, moist.		OSB-28A(0.7-1.1)	Cr+6, TAL Metals
2		FILL: Dark reddish brown (5YR3/2) corase to fine SAND and GRAVEL, moist. 100%COPR.		OSB-28B(1.9-2.4)	Cr+6, TAL Metals
		CONCRETE: Concrete, Cobbles.			
4		FILL: Dark reddish brown (5YR3/2) coarse to fine SAND and GRAVEL, CINDERS, SLAG and ASH, wet.	0.0	OSB-28C(3.5-4.0)	Cr+6, TAL Metals
		FILL: Black (7.5YRN2.5) CINDER, and ASH, some medium Gravel, wet.			
6		NR: No Recovery			
8		FILL: Black (7.5YRN2.5) CINDER, and ASH, some medium Gravel, wet.	0.0		
		FILL: Dark brown (7.5YR3/3) SILTY SAND, some coarse Sand, wet.			
		NR: No Recovery			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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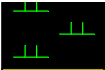
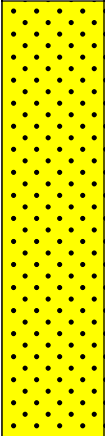
<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-28
	Site: Site 133	
Start Date: 7/12/2006	Project: Site Investigation	Page: 2 of 3
	Coordinates: X-611339.3 Y-683894.6	Depth of Boring: 28.00
End Date: 8/4/2006	Elevation: 16.54	Geologist: M. Abdelaziz, R. Firely
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
10					
12		CONCRETE: Concrete	N/A		
14		FILL: Dark brown (7.5YR3/3) SILTY SAND, some coarse Sand, wet.	0.0	OSB-28D(14.2-15.2)	MS/MSD, Cr+6, TAL Metals
		FILL: Dark brown (10YR3/3) fine to very fine SAND, some Silt, trace medium to fine Gravel and Clay, moist to wet.			
		NR: No Recovery			
16		FILL: Dark brown (10YR3/3) fine to very fine SAND, some Silt, trace medium to fine Gravel and Clay, moist to wet.	0.0		
		PEAT: PEAT.	60.7	OSB-28E(17.1-17.4)	Cr+6, TAL Metals
		NR: No Recovery			
18		PEAT: PEAT.	17.4		

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-28
	Site: Site 133	
Start Date: 7/12/2006	Project: Site Investigation	Page: 3 of 3
	Coordinates: X-611339.3 Y-683894.6	Depth of Boring: 28.00
End Date: 8/4/2006	Elevation: 16.54	Geologist: M. Abdelaziz, R. Firely
	Drill Subcontractor:	Driller: ADI

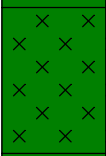
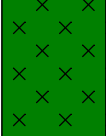
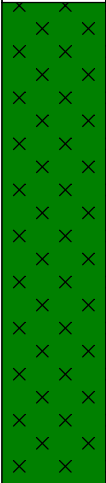
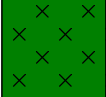
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
20		SAND: Dark gray (7.5YRN4) to dusky red (10R3/3) medium to fine SAND, some Silt, little medium to fine Gravel, dry to wet.	0.0		
		NR: No Recovery			
22		SAND: Dark reddish brown (2.5YR3/4) coarse to medium SAND, some coarse to medium Gravel, trace Silt and fine Sand, wet.	0.0		
24			0.0		
26		NR: No Recovery	0.0		
28		NULL: End of boring at 28 feet.			

NOTES:

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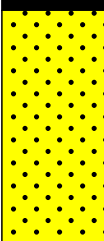
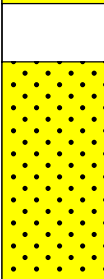
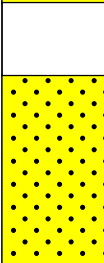

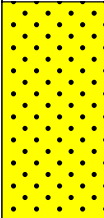
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		Site: Site OSB				
Start Date: 7/12/2006		Project: Site Investigation			Page: 2 of 3	
		Coordinates: X-611223.6 Y-683935.3			Depth of Boring: 26.00	
End Date: 8/4/2006		Elevation: 16.85			Geologist: M. Abdelaziz, R. Firely	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

10		ASH, COAL and COBBLES, some coarse to fine Gravel, little coarse to fine Sand, moist.	0.0 ppm		OSB-29C(8.9-9.4)	MS/MSD, Cr+6, TAL Metals
		FILL: Reddish brown (5YR4/4) coarse SAND , some medium Gravel, trace Silt, wet.				
12		FILL: Reddish brown (5YR4/4) medium to fine GRAVEL, wet.		N/A		
		NR: No Recovery				
14		FILL: Large FILL Material		8		
16		FILL: Dark brown (7.5YR3/3) fine to very fine SAND, some Silt, trace fine Gravel, wet to dry.	0.0 ppm	11	OSB-29D(15.5-16.0)	Cr+6, TAL Metals
		NR: No Recovery	0.0 ppm	11		
				15		
				17		
			0.0	18		

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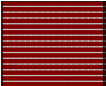
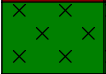
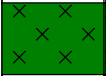
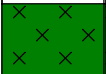
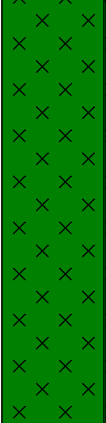
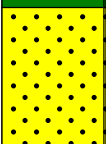
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		Site: Site OSB				
Start Date: 7/12/2006		Project: Site Investigation			Page: 3 of 3	
		Coordinates: X-611223.6 Y-683935.3			Depth of Boring: 26.00	
End Date: 8/4/2006		Elevation: 16.85			Geologist: M. Abdelaziz, R. Firely	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

18		PEAT: PEAT, moist.	ppm		OSB-29E(17.7-18.0)	Cr+6, TAL Metals
		SAND: Olive (5Y5/4) medium to fine SAND, trace coarse Sand, moist.	0.0 ppm	8		
20		NR: No Recovery		10		
		SAND: Olive (5Y5/4) medium to fine SAND, some coarse Sand and medium to fine Gravel, wet.	0.0 ppm	10	OSB-29F(19.1-19.6)	Cr+6, TAL Metals
		NR: No Recovery		11		
				15		
22		NR: No Recovery		18		
		SAND: Dark yellowish brown (10YR3/6) medium to fine SAND, some coarse Sand and medium to fine Gravel, wet.	0.0 ppm	25		
		NR: No Recovery		29		
				29		
24		NR: No Recovery		24		
		SAND: Weak red (10R4/4) fine to very fine SAND, some Silt, little fine Gravel, wet.	0.0 ppm	29	OSB-29G(22.8-23.3)	Cr+6, TAL Metals
		NR: No Recovery		41		
				58		
26		NR: No Recovery		15		
		SAND: Weak red (10R4/4) fine to very fine SAND, some Silt, little fine Gravel, wet.	0.0 ppm	17		
				19		
				20	OSB-29H(25.4-25.9)	Cr+6, TAL Metals
		NULL: End of boring at 26 feet.				

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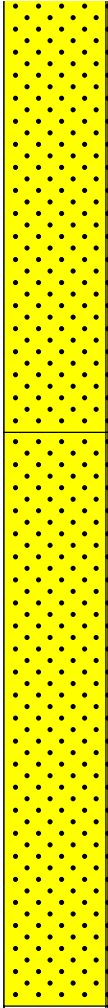
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		Site: Site OSB			
Start Date: 9/6/2006		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X-610885.3 Y-683719.7		Depth of Boring: 17.00	
End Date: 9/19/2006		Elevation: 11.77		Geologist: M. Abdelaziz	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		ASPHALT: Asphalt	N/A		
		FILL: Dark reddish brown (2.5YR3/3) coarse to medium SAND, some Silt and fine Gravel, trace fine Sand, wet.	N/A	OSB-3A(0.6-1.1)	SVOCs
		NR: No Sample			
2		FILL: Dark reddish gray (2.5YR3/1) fine to very fine SAND, some Silt and Clay, trace very fine Gravel, moist. Petroleum odor.	N/A	OSB-3B(2.2-2.5)	SVOCs
		NR: No Sample			
4		FILL: Very dark brown (10YR 2/2) silty SAND, some Clay, trace fine Gravel, wet.	N/A	OSB-3C(4.0-4.5)	SVOCs
		NR: No Sample			
		FILL: Very dark brown (10YR 2/2) silty SAND, some Clay, trace fine Gravel, wet.	0.0 ppm		
8		SAND: Dark reddish brown (5YR3/3) coarse to medium SAND, some Silt, little fine Sand, trace medium to fine Gravel, wet.	0.0 ppm	OSB-3D(8.0-9.0)	MS/MSD, SVOCs

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		Client: PPG Industries		BORING ID: OSB-3		
		Site: Site OSB				
Start Date: 9/6/2006		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-610885.3 Y-683719.7		Depth of Boring: 17.00		
End Date: 9/19/2006		Elevation: 11.77		Geologist: M. Abdelaziz		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

10					
12		SAND: Dark reddish brown (5YR3/4) coarse to medium SAND, some medium to fine Gravel and Silt, trace fine Sand, wet.	0.3 ppm		
14					
16		NR: No Recovery	N/A		
NULL: End of boring at 17 feet.					

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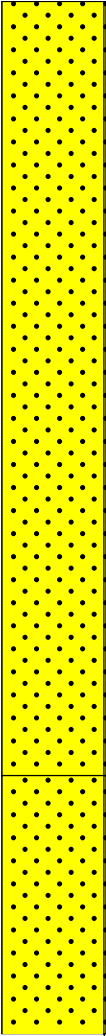
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		Site: Site OSB				
Start Date: 9/18/2006		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-610773.1 Y-683535.2		Depth of Boring: 18.00		
End Date: 9/19/2006		Elevation: 11.71		Geologist: M. Abdelaziz		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete	0.0 ppm		
		FILL: Black (10YR2/1) coarse to fine SAND and coarse to fine GRAVEL, some to little Silt, trace Clay, moist.	0.0 ppm	OSB-5A(0.4-1.4)	MS/MSD, SVOCs
2		NR: No Sample			
		FILL: Strong brown (7.5YR5/8) medium to fine SAND, little to trace Silt and coarse to fine Gravel, moist.	0.0 ppm	OSB-5B(2.0-2.5) OSB-5BD(2.0-2.5)	SVOCs SVOCs
4		NR: No Sample			
			0.0 ppm		
6		FILL: Strong brown (7.5YR5/8) medium to fine SAND, little to trace Silt and coarse to fine Gravel, moist.	0.0 ppm	OSB-5C(5.0-5.5)	SVOCs
			0.0 ppm		
8					
			0.0 ppm		

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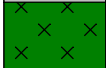
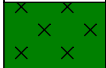
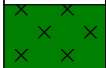
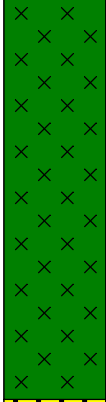
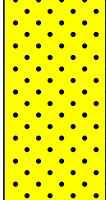
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		Site: Site OSB			
Start Date: 9/18/2006		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-610773.1 Y-683535.2		Depth of Boring: 18.00	
End Date: 9/19/2006		Elevation: 11.71		Geologist: M. Abdelaziz	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

10		SAND: Reddish brown (5YR4/3) coarse to medium SAND, some coarse to medium Gravel and Silt, trace Clay, wet.			
12			0.0 ppm		
14					
16		SAND: Reddish brown (5YR4/3) coarse SAND, some medium Sand and medium Gravel, trace Silt, wet.	0.0 ppm		
18		NULL: End of boring at 18 feet.			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

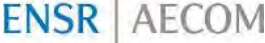
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		Client: PPG Industries	BORING ID: OSB-6		
		Site: Site OSB			
Start Date: 9/18/2006	Project: Site Investigation		Page: 1 of 2		
	Coordinates: X-610730.6 Y-683463.4		Depth of Boring: 17.00		
End Date: 9/20/2006	Elevation: 12.04		Geologist: M. Abdelaziz		
	Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete	N/A		
		FILL: Very dark grayish brown (10YR3/2) coarse to fine SAND and coarse to fine GRAVEL, little Silt, trace Clay, moist.	N/A	OSB-6A(0.4-0.9)	SVOCs
		NR: No Sample			
2		FILL: Strong brown (7.5YR5/8) medium to fine SAND, trace Silt and medium to fine Gravel, moist.	N/A	OSB-6B(1.8-2.3)	SVOCs
		NR: No Sample			
4		FILL: Dark grayish brown (2.5Y 4/2) silty CLAY, trace fine Sand, wet.	N/A	OSB-6C(4.0-4.5)	SVOCs
		NR: No Sample			
6		FILL: Strong brown (7.5YR5/8) fine to very fine SAND and medium GRAVEL, some Silt, wet.	0.0 ppm		
8		SAND: Strong brown (7.5YR5/8) coarse to medium SAND, some Silt, trace medium to fine Gravel, wet.	0.0 ppm	OSB-6D(8.0-9.0)	BNs, VOCs

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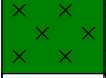
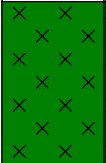
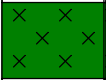
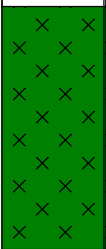
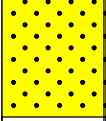
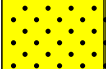
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		Site: Site OSB			
Start Date: 9/18/2006	Project: Site Investigation		Page: 2 of 2		
	Coordinates: X-610730.6 Y-683463.4		Depth of Boring: 17.00		
End Date: 9/20/2006	Elevation: 12.04		Geologist: M. Abdelaziz		
	Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

10					
12		SAND: Strong brown (7.5YR5/8) coarse to medium SAND, some Silt, trace medium to fine Gravel and fine Sand, wet.	0.0 ppm		
14		NR: No Recovery			
16		SAND: Strong brown (7.5YR5/8) coarse to medium SAND, some Silt, trace medium to fine Gravel and fine Sand, wet.	0.0 ppm		
NULL: End of boring at 17 feet.					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

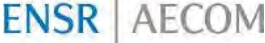
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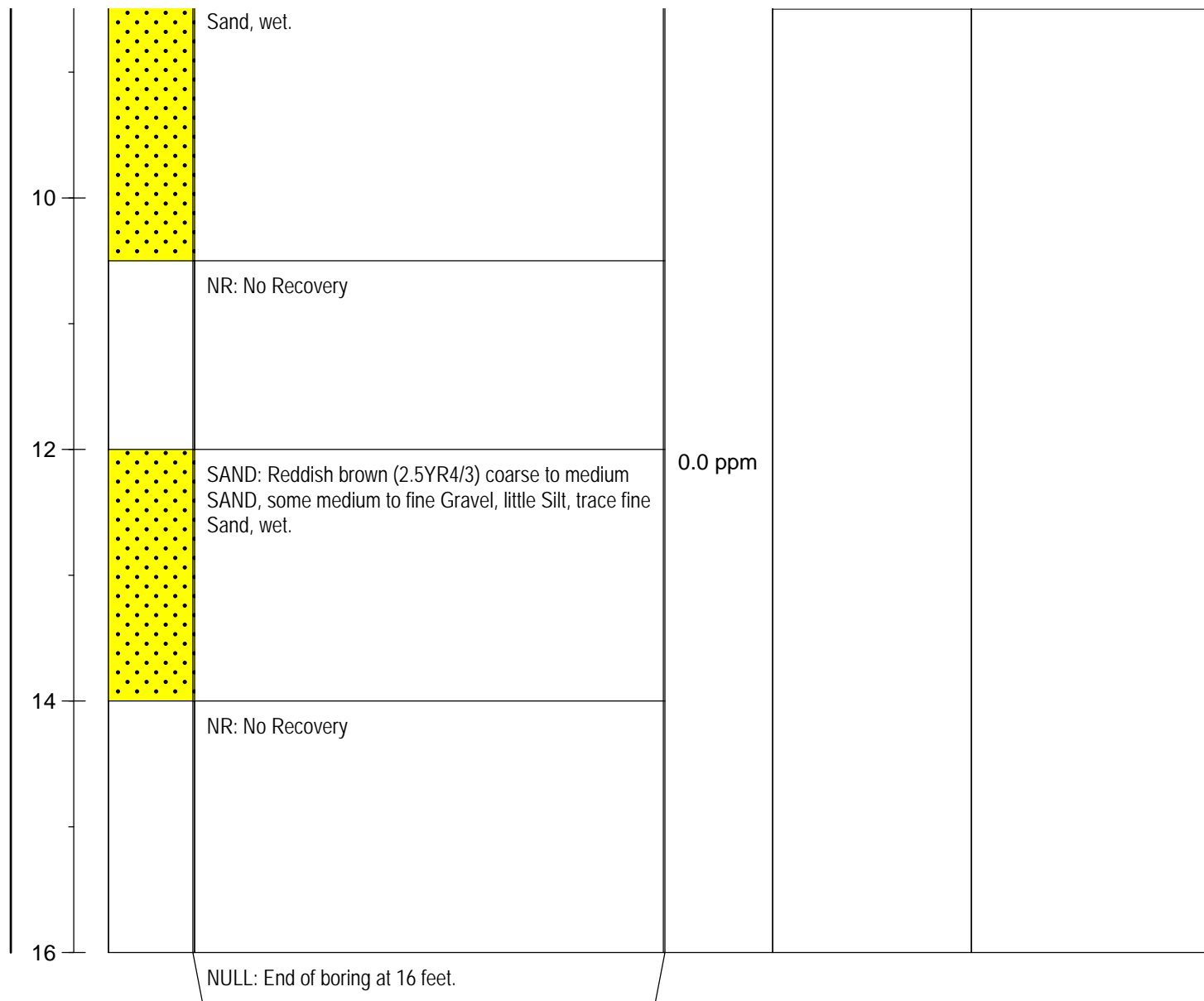
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		Site: Site OSB			
Start Date: 9/18/2006		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X-610674.9 Y-683371.9		Depth of Boring: 16.00	
End Date: 9/20/2006		Elevation: 12.78		Geologist: M. Abdelaziz	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete	N/A		
		FILL: Reddish brown (5YR5/3) coarse to fine SAND, some coarse to fine Gravel, trace Silt and Clay, moist.	N/A	OSB-7A(0.4-0.9)	SVOCs
2		NR: No Sample	N/A		
		FILL: Reddish Brown (5YR4/3) clayey SILT, some fine Sand, trace medium Sand, wet.		OSB-7B(2.0-2.5)	SVOCs
4		NR: No Sample	N/A		
		FILL: Reddish brown (2.5YR4/3) fine to very fine SAND, some Silt, little Clay, moist.		OSB-7C(4.0-4.5)	SVOCs
6		NR: No Sample	0.0 ppm		
		FILL: Reddish brown (2.5YR4/3) fine to very fine SAND, some Silt, little Clay, wet.			
8		SAND: Reddish brown (2.5YR4/3) coarse to medium SAND, some medium to fine Gravel, little Silt, trace fine Sand, wet.	0.0 ppm		
		NR: No Recovery			
		SAND: Reddish brown (2.5YR4/3) coarse to medium SAND, some medium to fine Gravel, little Silt, trace fine		OSB-7D(8.0-8.5)	BNs

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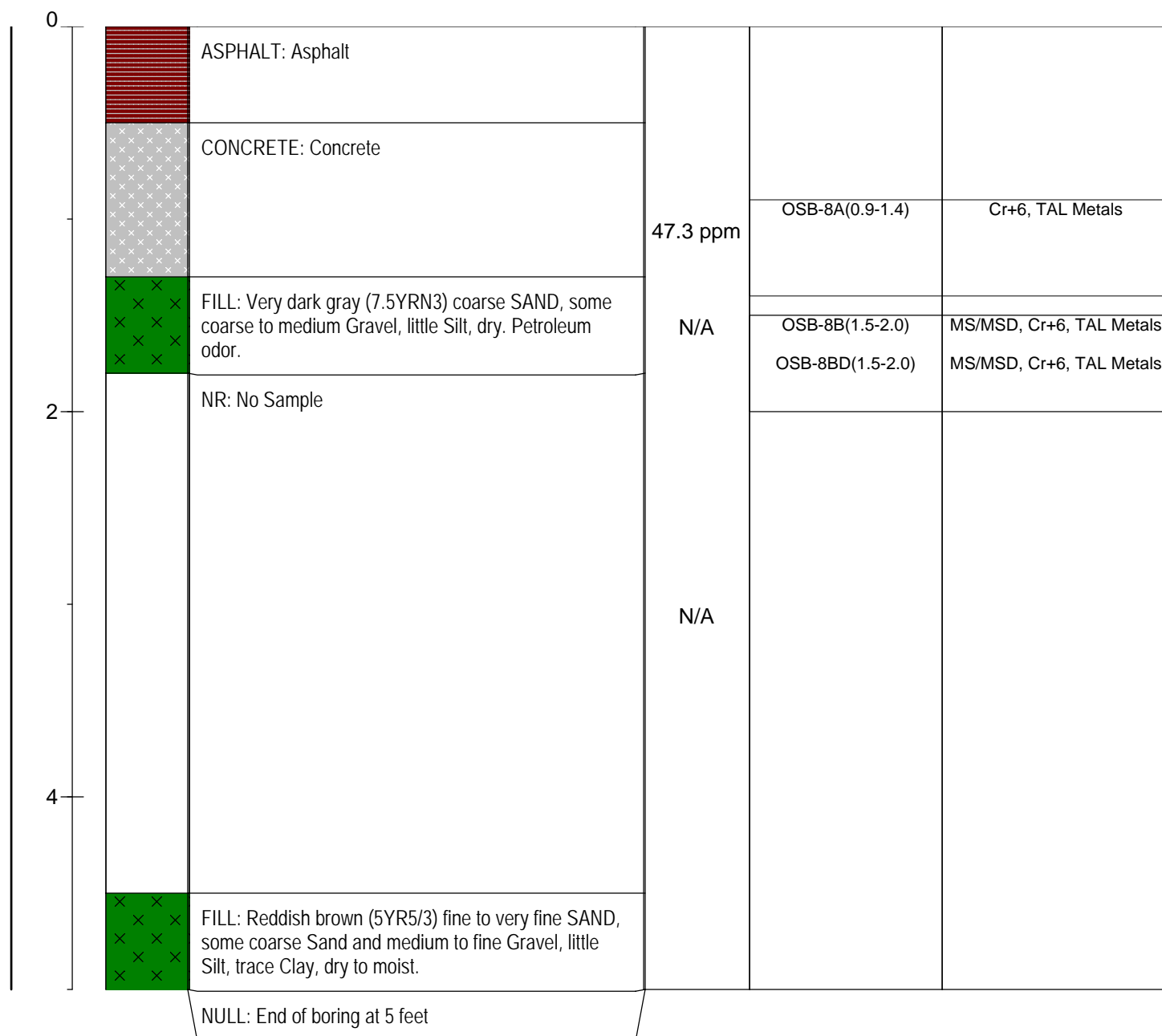
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Start Date: 9/18/2006		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-610674.9 Y-683371.9		Depth of Boring: 16.00	
End Date: 9/20/2006		Elevation: 12.78		Geologist: M. Abdelaziz	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

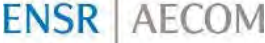
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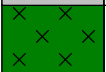

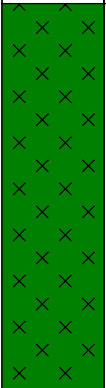
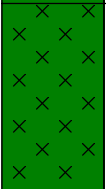
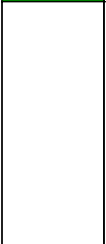
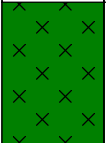
ENSR | AECOM



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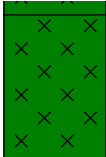
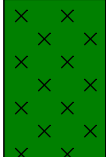
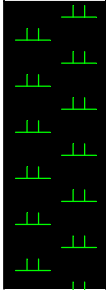
		Client: PPG Industries	BORING ID: OSB-9		
		Site: Site OSB			
Start Date: 7/21/2006	Project: Site Investigation		Page: 1 of 3		
	Coordinates: X-610809.6 Y-683242.5		Depth of Boring: 26.00		
End Date: 9/20/2006	Elevation: 13.88		Geologist: M. Abdelaziz		
	Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		ASPHALT: Asphalt	N/A		
		CONCRETE: Concrete			
2		FILL: Black (7.5YR2) coarse to medium SAND, some medium to fine Gravel, trace to no Silt, dry.	N/A	OSB-9A(1.0-1.5)	Cr+6, TAL Metals, BNs, VOCs
		NR: No Sample			
4		FILL: Dark reddish brown, (5YR3/2) coarse to medium SAND, some medium to fine Gravel, little Silt, trace Clay, dry. ~5% COPR.	N/A	OSB-9B(2.3-2.8)	Cr+6, TAL Metals, BNs, VOCs
6		FILL: Very dark grayish brown (10YR3/2) medium to fine SAND, some Silt, trace fine Gravel, wet.	0.0 ppm	XOSB-9C(5.0-6.3) XOSB-9CD(5.0-6.3)	MS/MSD, Cr+6, TAL Metals, BNs, VOCs Cr+6, TAL Metals, BNs, VOCs
		NR: No Recovery			
8		FILL: Very dark grayish brown (10YR3/2) fine to medium SAND, some Silt, trace fine Gravel, trace Clay(-), wet.	0.0 ppm	XOSB-9D(8.0-10.1)	Cr+6, TAL Metals, BNs, VOCs

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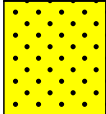
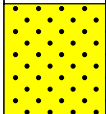
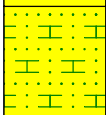
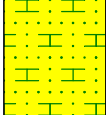
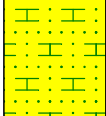
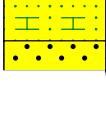
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		Site: Site OSB				
Start Date: 7/21/2006		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610809.6 Y-683242.5		Depth of Boring: 26.00		
End Date: 9/20/2006		Elevation: 13.88		Geologist: M. Abdelaziz		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

10		FILL: Black (10YR2/1) coarse to medium SAND, some fine Gravel, little to trace Silt, trace Wood, wet.	0.0 ppm		
		NR: No Recovery			
12		FILL: Black (10YR2/1) coarse to medium SAND, some fine Gravel, little to trace Silt, trace Wood, wet.			
		NR: No Recovery			
14			0.0 ppm		
16		PEAT: Peat, Some clay.		XOSB-9E(16.0-17.0)	Cr+6, TAL Metals, BNs, VOCs
18					

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		Client: PPG Industries		BORING ID: OSB-9	
		Site: Site OSB			
Start Date: 7/21/2006		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-610809.6 Y-683242.5		Depth of Boring: 26.00	
End Date: 9/20/2006		Elevation: 13.88		Geologist: M. Abdelaziz	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

20		SAND: Gray (10YR5/1) fine to very fine SAND, some Silt, trace Clay, wet.	N/A		
		NR: No Recovery			
22		SAND: Gray (10YR5/1) fine to very fine SAND, some Silt, trace Clay, wet.	N/A		
		SILT AND CLAY: Gray (5YR5/1) clayey SILT, trace fine Sand, moist.			
24			N/A	XOSB-9G(24.0-26.0)	Cr+6, TAL Metals, BNs, VOCs
					
26		SAND: Yellowish red (5YR4/6) medium to fine SAND, some Silt, trace Clay, moist			
		NULL: End of boring at 26 feet.			

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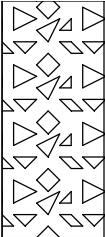
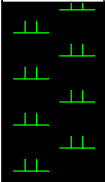
<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: PZ1		
		Site: PPG - Jersey City, NJ			
Start Date: 10/20/2005		Project: Site Investigation	Page: 1 of 3		
		Coordinates: X-611020.8 Y-683230.7	Depth of Boring: 24.00		
End Date: 10/20/2005		Elevation: 15.29	Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: Dusky red (10R 3/4) fine to coarse SAND, some fine Gravel, little Sandy Silt, dry. 90% COPR nodules.	0.1 ppm		
				PZ10.5	
2				PZ12.0	
		NR: No Recovery	0.0 ppm		
4		FILL: Reddish yellow (7.5YR 6/6) fine to medium SAND, some Silty Sand, wet. 100% Waste Mud.			
6		FILL: Greenish gray (Gley1 5/1) fine to coarse SAND, some fine Gravel, saturated. 50% COPR, 50% Mud Waste.		PZ16.0	
8		FILL: Brown (7.5YR 4/3) fine to medium SAND, some fine Gravel. 40% Mud Waste.	0.2 ppm		
		FILL: Greenish gray (Gley 5/1) fine SAND, some Sandy Silt, wet. 100% Mud Waste.			
10				PZ110.0	
12					

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ENSR AECOM		Client: PPG		BORING ID: PZ1		
		Site: PPG - Jersey City, NJ				
Start Date: 10/20/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611020.8 Y-683230.7		Depth of Boring: 24.00		
End Date: 10/20/2005		Elevation: 15.29		Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Light greenish gray (Gley1 7/1) fine to medium SAND, some fine Gravel, little Silty Sand, wet. 90% Mud Waste, 10% COPR.	0.3 ppm		
14		NR: No Recovery	N/A	PZ114.0	
16					
18					
20		PEAT: Dark gray (2.5Y 4/1) PEAT, strong sewage odor, moist.	1.1 ppm		
22		NR: No Recovery		PZ122.0	
				PZ123.5	
24					

NOTES:

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		Client: PPG		BORING ID: PZ1	
		Site: PPG - Jersey City, NJ			
Start Date: 10/20/2005		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611020.8 Y-683230.7		Depth of Boring: 24.00	
End Date: 10/20/2005		Elevation: 15.29		Geologist: D. Sherman	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

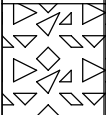
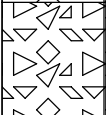
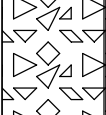
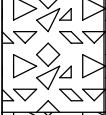
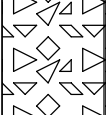
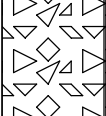
24

NULL: End of Boring 24 ft.

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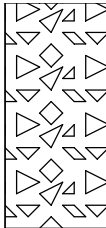
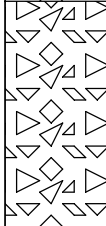
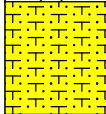
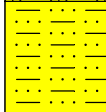
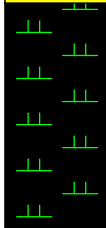
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		Site: PPG - Jersey City, NJ				
Start Date: 10/19/2005		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611140.6 Y-683609.5		Depth of Boring: 20.00		
End Date: 10/19/2005		Elevation: 17.52		Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		NR: No Sleeve Collected	N/A		
2					
4		FILL: Brown (7.5YR 4/3) fine to coarse SAND, some fine Gravel, wet. 100% COPR	0.0 ppm		
6		FILL: Gray (7.5YR 6/1) SANDY SILT, some fine Sand, little Clayey Silt, wet. 100% Mud Waste		PZ105.0	
8					
10		FILL: Pinkish Gray (7.5YR 6/2) SANDY SILT, some fine to medium Sand, little Silt, wet. 100% Mud Waste	0.0 ppm		
12				PZ109.0	
		FILL: Gray (5YR 5/1) SANDY SILT, some fine to medium Sand, wet. 100% Mud Waste			

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: PZ10		
		Site: PPG - Jersey City, NJ			
Start Date: 10/19/2005		Project: Site Investigation	Page: 2 of 2		
		Coordinates: X-611140.6 Y-683609.5	Depth of Boring: 20.00		
End Date: 10/19/2005		Elevation: 17.52	Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

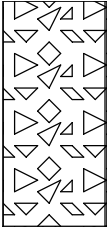
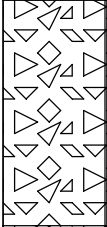
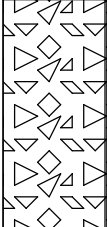
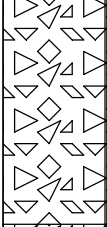
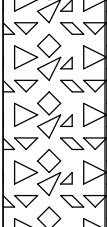
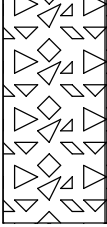
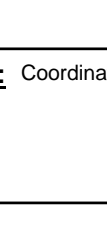
12		FILL: Reddish Gray (5YR 5/2) fine SAND, some medium to coarse Sand, little Sandy Silt, trace fine Gravel. 100% Mud Waste	0.1 ppm		
				PZ1013.0	
14		FILL: Light Greenish Gray (GLE Y1 8/1) fine to medium SAND, some fine Gravel, little Silt. 100% Mud Waste	0.3-6.9 ppm		
16		SILTY SAND: Very Dark Gray (7.5YR 3/1) SILTY SAND, little fine Sand			
		SANDY SILT: Black (GLE Y1 2.5/N) SANDY SILT, some fine Sand, strong sewage odor			
18		PEAT: Black (GLE Y1 2.5/N) PEAT			
20					
	NULL: End of Boring at 20 ft.				

NOTES:

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	<div> <div>BORING ID:</div> <div>PZ11</div> </div>		
		Site: PPG - Jersey City, NJ			
<div> <div>Start Date:</div> <div>10/19/2005</div> </div>		Project: Site Investigation	Page: 1 of 2		
		Coordinates: X-610919.3 Y-683669.1	Depth of Boring: 20.00		
<div> <div>End Date:</div> <div>10/19/2005</div> </div>		Elevation: 17.44	Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

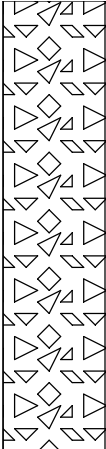

0		FILL: Very Pale Brown (10YR 7/3) fine-medium SAND, moderately well sorted, dry.	0.1 ppm		
				PZ110.5	
				PZ112.0	
2		FILL: Dark Brown (10YR 3/3) fine to coarse SAND, some fine Gravel, little Wood, green nodules. 20% COPR	0.1 ppm		
4		FILL: Very Dark Brown (10YR 2/2) fine to coarse SAND, some fine Gravel, trace Sandy Silt, Brick. 80% COPR	0.1 ppm		
6		FILL: Very Dark Brown (10YR 2/2) fine to coarse SAND, some fine Gravel, trace Sandy Silt, Brick. 80% COPR	0.1 ppm		
8		FILL: Dark Reddish Gray (10R 3/1) SILTY SAND, some fine Sand, little Cobbles, moist. 50% Mud Waste	0.0 ppm		
10		FILL: Dark Reddish Gray (10R 3/1) SILTY SAND, some fine Sand, little Cobbles, moist. 50% Mud Waste	0.0 ppm		
12		FILL: Dark Reddish Gray (10R 3/1) SILTY SAND, some fine Sand, little Cobbles, moist. 50% Mud Waste	0.0 ppm		

NOTES:

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: PZ11		
		Site: PPG - Jersey City, NJ			
Start Date: 10/19/2005		Project: Site Investigation	Page: 2 of 2		
		Coordinates: X-610919.3 Y-683669.1	Depth of Boring: 20.00		
End Date: 10/19/2005		Elevation: 17.44	Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Dark Reddish Brown (5YR 2.5/2) fine to coarse SAND, some fine to coarse Gravel, little Silt, sewage odor, saturated.	0.0 ppm			
14				PZ1114.0		
16		NR: No Recovery ~ Except for shoe materials (Dark Reddish Brown 5YR 2.5/2 PEAT)	0.0 ppm			
18					PZ1118.0	
20						
NULL: End of Boring at 20 ft.						

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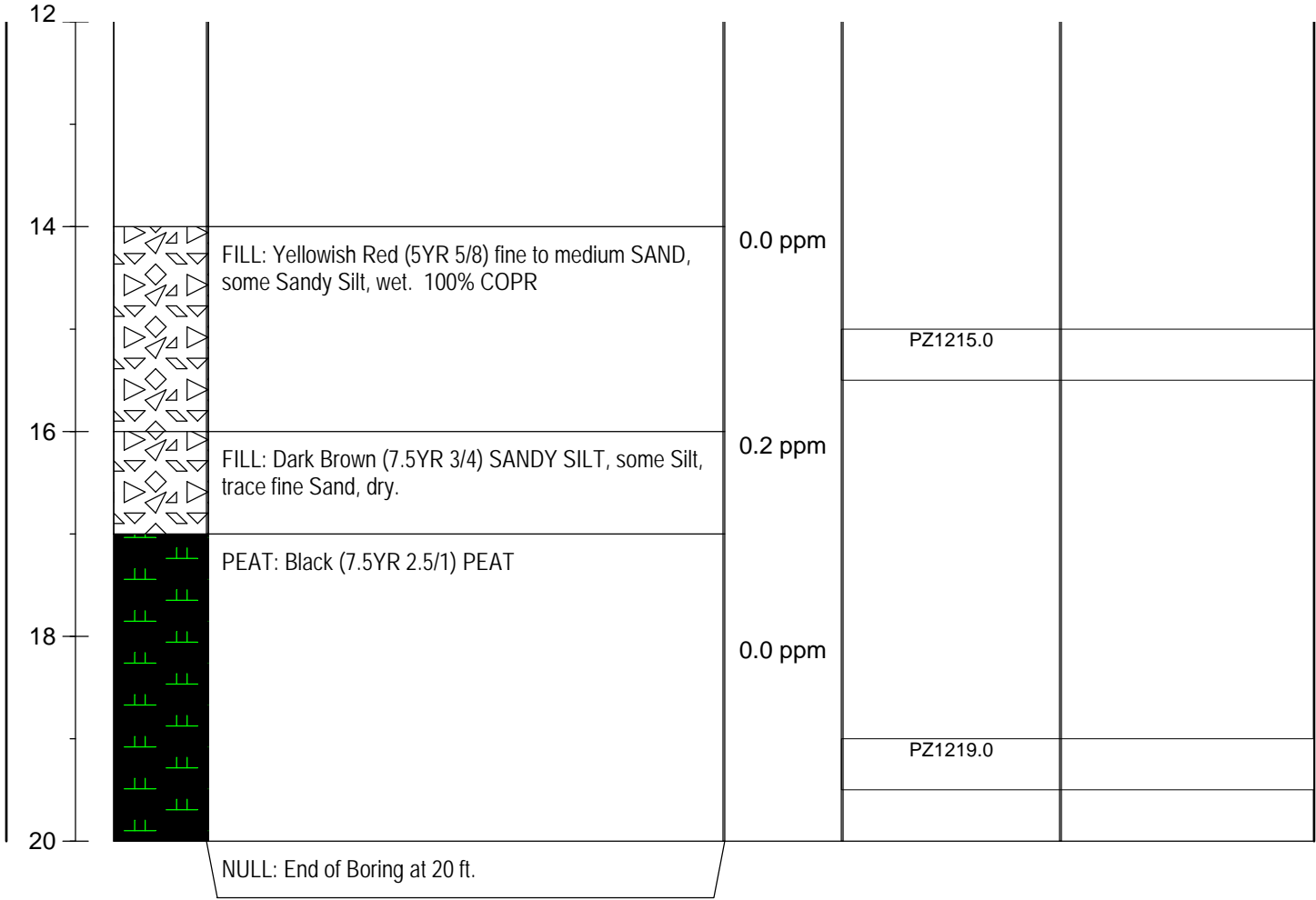
		Client: PPG		BORING ID: PZ12	
		Site: PPG - Jersey City, NJ			
Start Date: 10/19/2005		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X-611025.5 Y-683747.7		Depth of Boring: 20.00	
End Date: 10/19/2005		Elevation: 17.58		Geologist: D. Sherman	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		NR: No Sleeve Collected	N/A		
2					
4					
6					
8					
10					
12					

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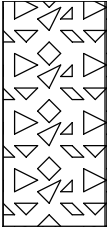
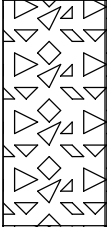
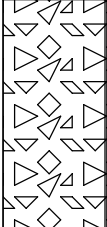
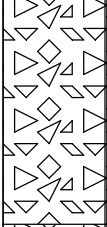
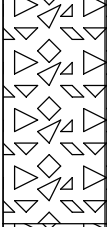
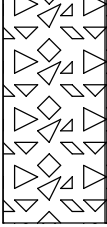
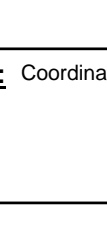
<div>ENSR AECOM</div>		Client: PPG		BORING ID: PZ12	
		Site: PPG - Jersey City, NJ			
Start Date: 10/19/2005		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-611025.5 Y-683747.7		Depth of Boring: 20.00	
End Date: 10/19/2005		Elevation: 17.58		Geologist: D. Sherman	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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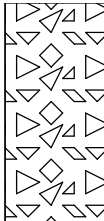

<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: PZ13		
		Site: PPG - Jersey City, NJ			
Start Date: 10/19/2005		Project: Site Investigation	Page: 1 of 2		
		Coordinates: X-611083.7 Y-683797	Depth of Boring: 20.00		
End Date: 10/19/2005		Elevation: 17.45	Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: Yellowish Brown (10YR 5/8) fine SAND, well sorted, dry.	0.1 ppm		
				PZ130.5	
2		FILL: Very Dusky Red (10R 2.5/2) fine to coarse SAND, some fine Gravel (brick, glass, cinders), dry.	0.0 ppm	PZ132.0	
4		FILL: Weak Red (10R 4/4) fine SAND, some Sandy Silt, little Clayey Silt, trace Pebbles, wet at 6.0'. 100% COPR	0.0 ppm	PZ136.0	
6		FILL: Grayish Brown (10YR 5/2) fine to medium SAND, some Gravel, trace Silt (coal ash, cinder), wet. 30% Mud Waste	0.0 ppm	PZ1310.0	
8		FILL: Greenish Gray (GLE Y1 5/1) fine to coarse SAND, some medium to fine Gravel (coal ash, clinker), wet. 80% Mud Waste			
10					
12					

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	<div> <div>BORING ID:</div> <div>PZ13</div> </div>		
		Site: PPG - Jersey City, NJ			
<div> <div>Start Date:</div> <div>10/19/2005</div> </div>		Project: Site Investigation	Page: 2 of 2		
		Coordinates: X-611083.7 Y-683797	Depth of Boring: 20.00		
<div> <div>End Date:</div> <div>10/19/2005</div> </div>		Elevation: 17.45	Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Grayish Brown (10YR 5/2) fine to coarse SAND, some fine Gravel (coal ash, brick, glass), wet.	0.2 ppm		
14		FILL: Dark Brown (10YR 3/3) SILT, some fine to coarse Sand, little fine Gravel (brick fragments), wet.		PZ1314.0	
16		PEAT: Brown (7.5YR 4/4) PEAT, some Clayey Silt	0.0 ppm		
18				PZ1318.0	
20					
		NULL: End of Boring at 20 ft.			

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: PZ14		
		Site: PPG - Jersey City, NJ				
Start Date: 10/19/2005		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611218.6 Y-683785.4		Depth of Boring: 2.00		
End Date: 10/19/2005		Elevation: 22.00		Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		CONCRETE	0.0 ppm		
		FILL: Strong Brown (7.5YR 5/6) fine SAND, well sorted, dry.		PZ140.5	
2		FILL: Pale Olive (5Y 6/3) fine to coarse GRAVEL, some fine to coarse Sand, little Pebbles (brick, cinder, coal ash)	0.0 ppm	PZ142.0	
		FILL: Dark Reddish Brown (5YR 3/3) fine to coarse SAND, some fine to coarse Gravel (brick, coal ash)			
4		FILL: Light Yellowish Brown (10YR 6/4) fine to medium SAND, some Silt, little Gravel, wet at 5.0'. 100% Mud Waste	0.1 ppm	PZ146.0	
		FILL: Very Dark Grayish Brown (10YR 3/2) fine to coarse SAND, some fine Gravel, wet. 30% COPR			
8		FILL: Brown (10YR 5/3) SILTY SAND, some fine Sand, little fine Gravel. 100% Mud Waste		PZ1410.0	
		FILL: Pale Olive (5Y 6/3) SILTY SAND, some fine			
12					

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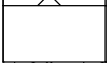
<div>ENSR AECOM</div>		Client: PPG		BORING ID: PZ14	
		Site: PPG - Jersey City, NJ			
Start Date: 10/19/2005		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-611218.6 Y-683785.4		Depth of Boring: 2.00	
End Date: 10/19/2005		Elevation: 22.00		Geologist: D. Sherman	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		Sand, wet. 100% Mud Waste	0.1 ppm		
		FILL: Dusky Red (2.5YR 3/2) fine to medium SAND, some Sandy Silt, trace fine Gravel. 100% Mud Waste			
14		GRAVEL: Dark Red (2.5YR 3/6) fine to coarse GRAVEL, some Silty Sand, wet. 100% COPR		PZ1414.0	
16		GRAVEL: Dark Brown (7.5YR 3/2) fine to coarse GRAVEL, some Pebbles, little fine to coarse Sand, saturated. 50% COPR	0.0 ppm		
18				PZ1418.0	
20		GRAVEL: Dusky Red (10R 3/3) fine to coarse GRAVEL, some fine to coarse Sand, little Sandy Silt, Yellow Staining, COPR?	0.0 ppm		
				PZ1421.5	
22		NULL: End of Boring at 22 ft.			

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: PZ2	
		Site: PPG - Jersey City, NJ			
Start Date: 10/11/2005		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611045.4 Y-683195.5		Depth of Boring: 24.00	
End Date: 10/11/2005		Elevation: 15.29		Geologist: S. McCray	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		CONCRETE: 2" Concrete	0.1 ppm		
		FILL: Coarse to medium GRAVEL, dry.		PZ2A	Cr+6, TAL Metals, XRD/XRF
2		FILL: Yellow (10YR 7/6) medium to fine SAND, trace Silt, dry.	0.1 ppm		
		FILL: Dark Reddish Brown (5YR 3/2) fine to very fine SAND, some Silt and coarse to medium rounded Gravel, dry, loose, 100% Chromate Ore Processing Residue (COPR).			
4		FILL: Bright Green medium to fine SAND. 100% COPR.	0.1 ppm	PZ2B	Cr+6, TAL Metals
		FILL: Dark Red (2.5YR 3/6) coarse to medium rounded GRAVEL, some medium to fine Sand, trace Silt, dry loose, 100% COPR.			
6		NR: No Recovery	0.1 ppm		
		FILL: Same As Above (SAA), wet, 100% COPR.			
8		FILL: Pale Green SILT, little fine to very fine Sand, damp.	NA		
		NR: No Recovery		PZ2C	Cr+6, TAL Metals
10		FILL: SAA, damp.	NA		
12		NR: No Recovery			

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		Client: PPG		BORING ID: PZ2	
		Site: PPG - Jersey City, NJ			
Start Date: 10/11/2005		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611045.4 Y-683195.5		Depth of Boring: 24.00	
End Date: 10/11/2005		Elevation: 15.29		Geologist: S. McCray	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

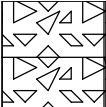
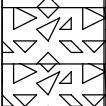
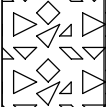
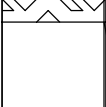
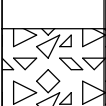
24

NULL: End of Boring at 24 ft.

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<div>ENSR AECOM</div>		Client: PPG			BORING ID: PZ3		
		Site: PPG - Jersey City, NJ					
Start Date: 10/11/2005		Project: Site Investigation			Page: 1 of 3		
		Coordinates: X-611135.5 Y-683485.3			Depth of Boring: 24.00		
End Date: 10/11/2005		Elevation: 14.36			Geologist: S. McCray		
		Drill Subcontractor: Ameridrill			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

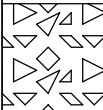
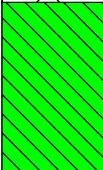
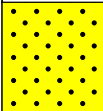
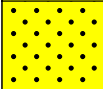
0		FILL: Very Dark Brown (10YR 2/2) SILT, little Clay, damp.	0.0 ppm		
		FILL: Dark Brown (10YR 3/3) coarse to medium SAND, some Silt, little medium to fine Gravel, damp.			
2		FILL: Dark Grayish Brown (10YR 3/2) medium to fine GRAVEL (slag), some medium to fine Sand, wet, 50% Chromate Ore Processing Residue (COPR).		PZ3A	Cr+6, TAL Metals
		FILL: Yellowish Brown (10YR 5/4) medium to very fine SAND and Silt, little Clay, wet. 100% Waste Mud.	0.0 ppm		
4		NR: No Recovery			
		FILL: Pale Brown (10YR 6/3) medium to fine SAND, some Silt, trace Gravel, wet. 100% Waste Mud.		PZ3B	Cr+6, TAL Metals
6		NR: No Recovery	0.0 ppm		
		FILL: Pale Green SILT, little fine to very fine Sand, moist to wet. 100% Waste Mud.			
8		NR: No Recovery		PZ3C	Cr+6, TAL Metals
		NR: No Recovery			
10					
12					

NOTES:

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: PZ3		
		Site: PPG - Jersey City, NJ				
Start Date: 10/11/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611135.5 Y-683485.3		Depth of Boring: 24.00		
End Date: 10/11/2005		Elevation: 14.36		Geologist: S. McCray		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12			0.0 ppm		
14					
16		FILL: Pale Green SILT, little fine to very fine Sand, moist to wet. 100% Waste Mud.			
18		CLAY: Very Dark Brown (10YR 2/2) CLAY, little Silt. NAPL at 18.0'-18.5', H2S odor.	0.0 ppm	PZ3D; PZ3DD	Cr+6, TAL Metals
20		NR: No Recovery			
		SAND: Reddish Gray (10R 5/1) meium to fine SAND, little medium to fine Gravel and Silt.		PZ3E	Cr+6, TAL Metals
		SAND: Red (10R 4/6) medium to fine SAND, wet.	0.0 ppm		
22		NR: No Recovery			
24					

NOTES:

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		Client: PPG			BORING ID: PZ3		
		Site: PPG - Jersey City, NJ					
Start Date: 10/11/2005		Project: Site Investigation			Page: 3 of 3		
		Coordinates: X-611135.5 Y-683485.3			Depth of Boring: 24.00		
End Date: 10/11/2005		Elevation: 14.36			Geologist: S. McCray		
		Drill Subcontractor: Ameridrill			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

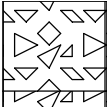

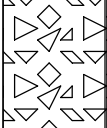

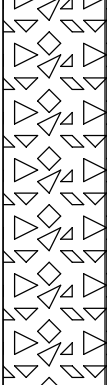
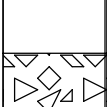
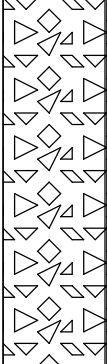
24

NULL: End of Boring at 24 ft.

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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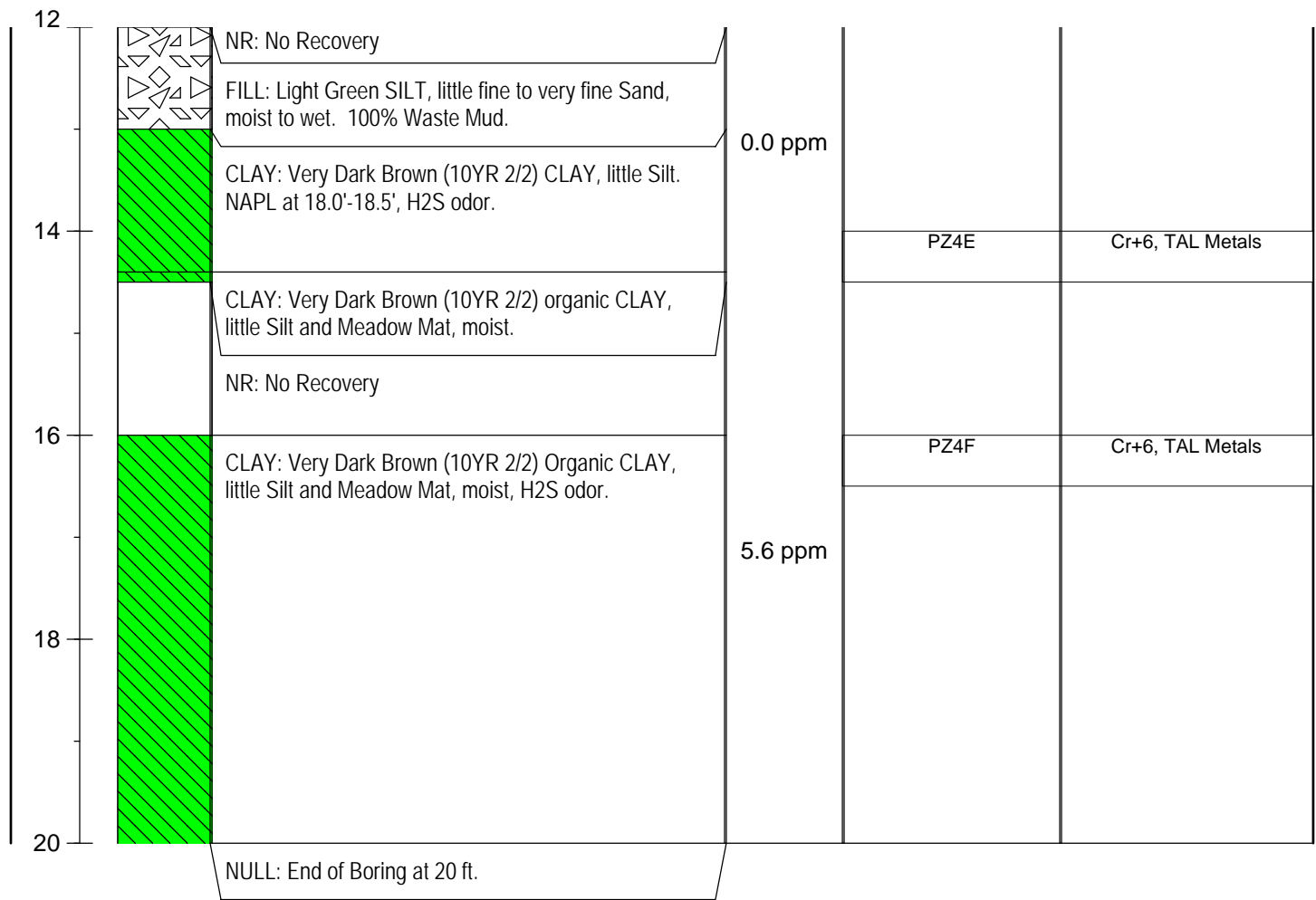
<div>ENSR AECOM</div>		Client: PPG		BORING ID: PZ4		
		Site: PPG - Jersey City, NJ				
Start Date: 10/11/2005		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611170.5 Y-683468.5		Depth of Boring: 20.00		
End Date: 10/11/2005		Elevation: 14.42		Geologist: S. McCray		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		FILL: Very Dark Brown (10RY 2/2) SILT, little Clay, damp.	0.3 ppm	PZ4A	Cr+6, TAL Metals
2		FILL: Yellowish Brown (10YR 5/4) medium to very fine SAND and Silt, little Clay, wet. 100% Waste Mud.	0.0 ppm	PZ4B	Cr+6, TAL Metals
4		FILL: Pale Green SILT, little fine to very fine Sand, moist to wet. 100% Waste Mud.	0.0 ppm		
6		NR: No Recovery	0.0 ppm		
8		FILL: Dark Olive Gray (5Y 3/2) grading to Pale Olive (5Y 6/3) SILT, little fine to very fine Sand, moist to wet. 100% Waste Mud.	0.0 ppm	PZ4C	Cr+6, TAL Metals
10		NR: No Recovery	0.0 ppm		
12		FILL: Light Green SILT, little fine to very fine Sand, moist to wet. 100% Waste Mud.	0.0 ppm	PZ4D	Cr+6, TAL Metals

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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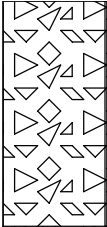
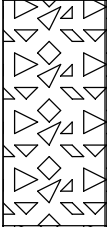
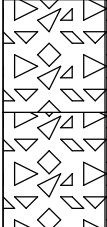
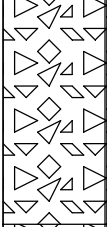
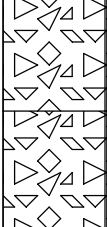
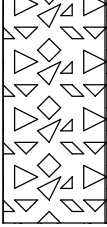
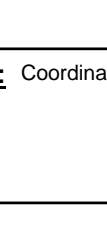
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		Site: PPG - Jersey City, NJ			
Start Date: 10/11/2005	Project: Site Investigation		Page: 2 of 2		
	Coordinates: X-611170.5 Y-683468.5		Depth of Boring: 20.00		
End Date: 10/11/2005	Elevation: 14.42		Geologist: S. McCray		
	Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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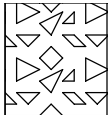
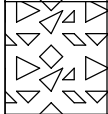
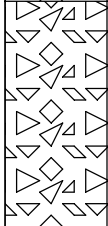
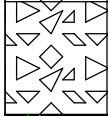
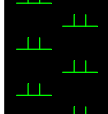
<div>ENSR AECOM</div>		Client: PPG		BORING ID: PZ5	
		Site: PPG - Jersey City, NJ			
Start Date: 10/19/2005		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X-611198.6 Y-683533.5		Depth of Boring: 20.00	
End Date: 10/19/2005		Elevation: 17.76		Geologist: D. Sherman	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: Brown (7.5YR 3/4) fine SAND, well sorted, dry.	0.0 ppm		
				PZ50.5	
2		FILL: Very Dark Gray (7.5YR 3/1) fine to medium SAND, little fine Gravel, dry.	0.0 ppm		
				PZ52.0	
4		FILL: Very Dark Gray (7.5YR 3/1) fine to medium SAND, little fine Gravel, wet at 4.5'. 20% COPR	0.0 ppm		
6		FILL: Light Gray (2.5YR 7/2) CLAYEY SILT, little Silt, trace fine Sand, wet. 100% Mud Waste.	0.1 ppm		
				PZ56.0	
8		FILL: Light Gray (2.5YR 7/2) CLAYEY SILT, some fine Sand, little Silt, wet. 100% Mud Waste.	0.1 ppm		
10		FILL: Greenish Gray (GLE Y1 6/1) CLAYEY SILT, some Silt, 100% Mud Waste	0.1 ppm		
				PZ510.0	
12					

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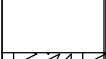
















<div>ENSR AECOM</div>		Client: PPG		BORING ID: PZ5	
		Site: PPG - Jersey City, NJ			
Start Date: 10/19/2005		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-611198.6 Y-683533.5		Depth of Boring: 20.00	
End Date: 10/19/2005		Elevation: 17.76		Geologist: D. Sherman	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Greenish Gray (GLE Y1 6/1) fine SAND, some Clayey Silt, trace Gravel, 100% Mud Waste	0.2-1.1 ppm		
		FILL: Bluish Gray (GLE Y2 5/1) fine to medium SAND, some Silty Sand, 80% Mude Waste, wet.			
14		FILL: Greenish Gray (GLE Y2 6/1) SILTY SAND, some fine Sand, wet. 100% Mud Waste.		PZ514.0	
16		FILL: Dark Brown (7.5YR 3/2) fine to medium SAND, some Sandy Silt, wet. 20% Mud Waste	0.3 ppm		
		PEAT: Very Dark Brown (7.5YR 2.5/2) PEAT			
18				PZ518.0	
20					
NULL: End of Boring at 20 ft.					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: PZ6		
		Site: PPG - Jersey City, NJ				
Start Date: 10/18/2005		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611226.5 Y-683615.4		Depth of Boring: 20.00		
End Date: 10/18/2005		Elevation: 18.00		Geologist: S. McCray		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

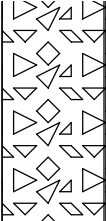
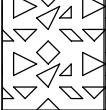
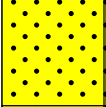

0		CONCRETE: CONCRETE	0.0 ppm		
				PZ6A	Cr+6, TAL Metals
		FILL: Olive yellow (2.5Y 6/6) medium to fine SAND, moist.			
		FILL: Light olive brown (2.5Y 5/6) SILT, and medium to fine Sand, little rounded Gravel, moist.		PZ6B	Cr+6, TAL Metals
2		NR: No Recovery			
					
					
					
					
4		FILL: Olive yellow (2.5Y 6/6) to light brownish gray (2.5Y 6/2) SILT, little fine to very fine Sand, wet. 100% Waste Mud.	0.0 ppm		
					
					
					
				PZ6C	Cr+6, TAL Metals
6					
					
					
					
					
					
8		FILL: Light gray (5Y 7/1) to light green SILT, little fine to very fine Sand, damp. 100% Waste Mud.	0.0 ppm		
					
					
					
				PZ6D	Cr+6, TAL Metals
10					
					
					
					
12					

NOTES:

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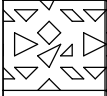
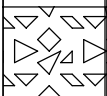
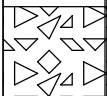


<div>ENSR AECOM</div>		Client: PPG			BORING ID: PZ6		
		Site: PPG - Jersey City, NJ					
Start Date: 10/18/2005		Project: Site Investigation			Page: 2 of 2		
		Coordinates: X-611226.5 Y-683615.4			Depth of Boring: 20.00		
End Date: 10/18/2005		Elevation: 18.00			Geologist: S. McCray		
		Drill Subcontractor: Ameridrill			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

12			0.0 ppm		
14		FILL: Yellowish brown (10YR 5/4) SILT, little fine to very fine Sand, damp. 100% Waste Mud.			
16		SAND: Gray (10YR 5/1) medium to fine SAND, little Wood, wet.			
		SILT: Very dark grayish brown (10R 3/2) SILT, some Clay, little fine to very fine Sand, trace Gravel (Fill?)	0.0 ppm	PZ6E	Cr+6, TAL Metals
		NR: No Recovery			
18					
20		NULL: End of Boring at 20 ft.			

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: PZ7	
		Site: PPG - Jersey City, NJ			
Start Date: 10/18/2005		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X-611291.8 Y-683732.6		Depth of Boring: 20.00	
End Date: 10/18/2005		Elevation: 17.53		Geologist: S. McCray	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		CONCRETE: CONCRETE	0.0 ppm		
		FILL: Olive yellow (2.5Y 6/6) medium to fine SAND, moist.		PZ7A	Cr+6, TAL Metals
2		CONCRETE: CONCRETE	0.0 ppm		
		FILL: Dark brown (7.5YR 4/4) SILT, and medium to fine Sand, little rounded Gravel, dry. 50% COPR.		PZ7B	Cr+6, TAL Metals
4		NR: No Recovery	0.0 ppm		
		CONCRETE: CONCRETE with light green tint, dry.			
6		FILL: Dusky red (10R 3/3) medium to fine rounded GRAVEL, little Silt and coarse-fine Sand, wet. 100% COPR.			
		FILL: Green fine to very fine SAND, and white Concrete		PZ7C	Cr+6, TAL Metals
8		FILL: Gray (Gley N/4) coarse-fine GRAVEL, some Silt and coarse to fine Sand, wet. 50% COPR.	0.0 ppm		
		NR: No Recovery			
10		FILL: Light greenish gray (5G 7/1) SILT, some fine to very fine Sand, wet. 100% Waste Mud.			
		NR: No Recovery		PZ7D	Cr+6, TAL Metals
12					

NOTES:

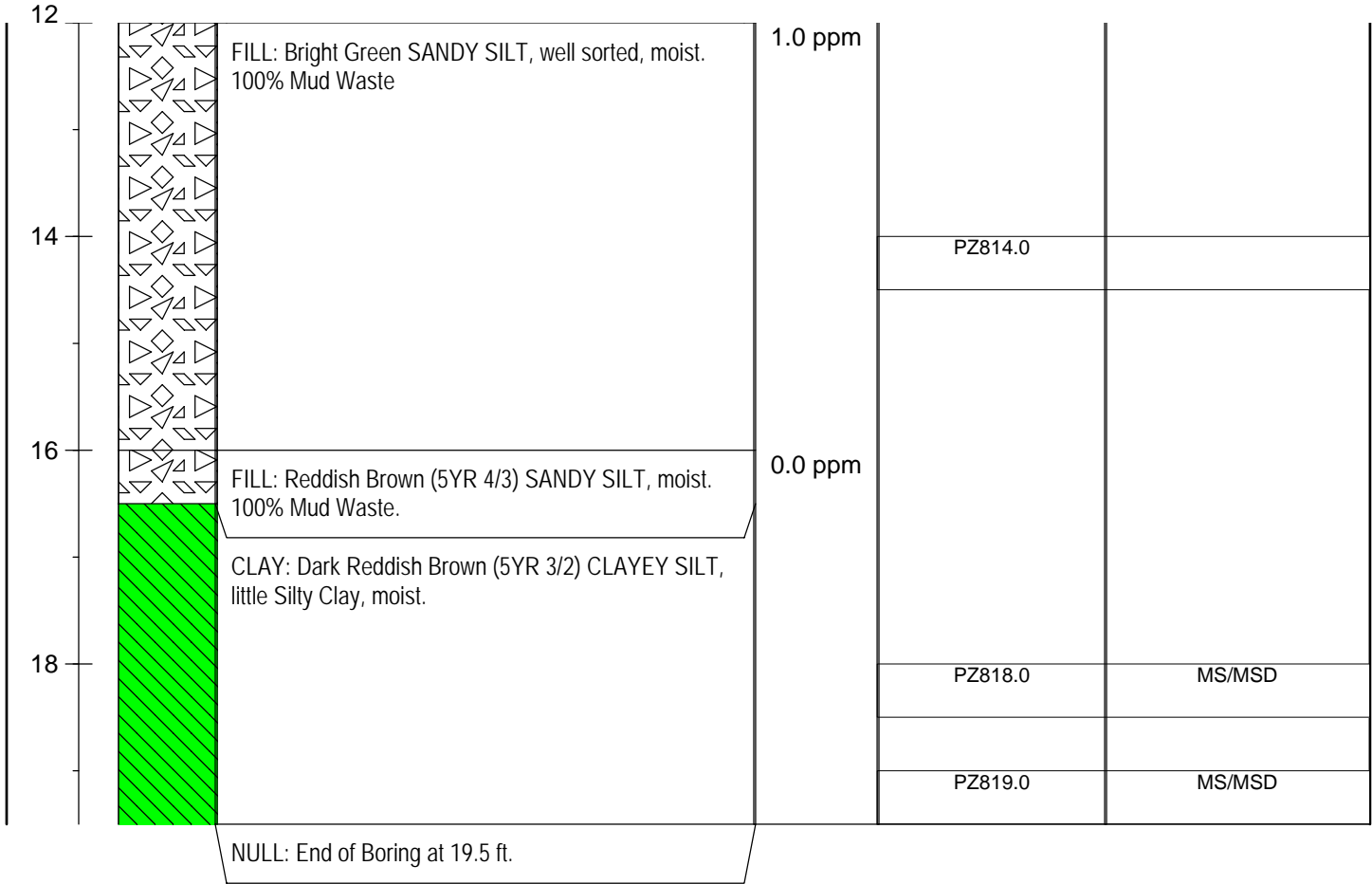
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0	<p>ASPHALT: 2" ASPHALT</p> <p>FILL: Dark Brown (7.5YR 3/2) fine to medium SAND, some Silty Sand, little fine to medium Gravel (wood, coal ash), dry.</p>	0.3 ppm		
2		0.0 ppm	PZ8A	MS/MSD
4	<p>FILL: Dark Brown (7.5YR 3/2) medium to coarse SAND, some coarse Gravel (brick, wood), dry. 30% Mud Waste, 10% COPR.</p>		PZ8B	
6	<p>FILL: Light Greenish Gray (GLE Y1 8/1) SILTY SAND, some fine to medium Sand, trace Silt, moist. 100% Mud Waste.</p>		PZ8C	
8	<p>FILL: Dusky Red (10R 3/3) SILTY SAND, some fine Sand, little fine Gravel, moist. 60% Mud Waste, 40% COPR.</p>	0.7 ppm		
10	<p>FILL: Pale Green (GLE Y1 7/2) mixed with Lime Green and Yellow SILTY SAND. 100% Mud Waste</p>		PZ8D	
12				

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: PZ8		
		Site: PPG - Jersey City, NJ			
Start Date: 10/21/2005		Project: Site Investigation	Page: 2 of 2		
		Coordinates: X-611360.2 Y-683835.8	Depth of Boring: 19.50		
End Date: 10/21/2005		Elevation: 15.75	Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


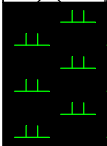
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<div>ENSR AECOM</div>		Client: PPG		BORING ID: PZ9	
		Site: PPG - Jersey City, NJ			
Start Date: 10/21/2005		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X-611393 Y-683810.5		Depth of Boring: 16.00	
End Date: 10/21/2005		Elevation: 15.75		Geologist: D. Sherman	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		ASPHALT: 2" ASPHALT	0.0 ppm		
		FILL: Weak Red (2.5YR 4/2) fine to coarse SAND, some Silty Sand, trace fine Gravel, dry. 100% COPR		PZ9A	
2		FILL: Bluish Gray (GLE Y2 5/1) SILTY SAND, trace fine Sand, moist. 90% Mud Waste, 5% COPR	0.4 ppm	PZ9B	
		NR: No Recovery			
4		FILL: Dark Bluish Gray (GLE Y2 4/1) SILT, some Silty Sand, wet. 100% COPR.	0.4 ppm		
		FILL: Red (10R 4/6) fine-coarse SAND, little fine Gravel, wet. 100% COPR.		PZ9C	
6		NR: No Recovery	1.1 ppm		
		FILL: Red (10R 4/6) fine-coarse SAND, some fine Gravel, wet. 100% COPR.		PZ9D	
8		FILL: Dark Reddish Gray fine SAND, some Silty Sand, little fine Gravel (wood), wet. 50% Mud Waste, 50% COPR			
		NR: No Recovery			
10					
12					

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12	 <p>FILL: Reddish Black (2.5YR 2.5/1) SILTY SAND, some Sandy Silt, wet. 100% Mud Waste.</p>	N/A		
	 <p>PEAT: Reddish Black (2.5YR 2.5/1) PEAT, some Clayey Silt.</p>		PZ9E	
			PZ9F	
14	NR: No Recovery			
16	NULL: End of Boring at 16 ft.			

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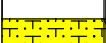
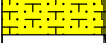



ENSR AECOM	Client: PPG		BORING ID: S16V		
	Site: PPG - Jersey City, NJ				
Start Date: 10/7/2005	Project: Site Investigation		Page: 1 of 3		
	Coordinates: X-611428 Y-683545		Depth of Boring: 27.00		
End Date: 10/7/2005	Elevation: 17.00		Geologist: Richard Firely		
	Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		UNKNOWN: No Sleeves Collected.			
2					
4					
6					
8					
10					
12					

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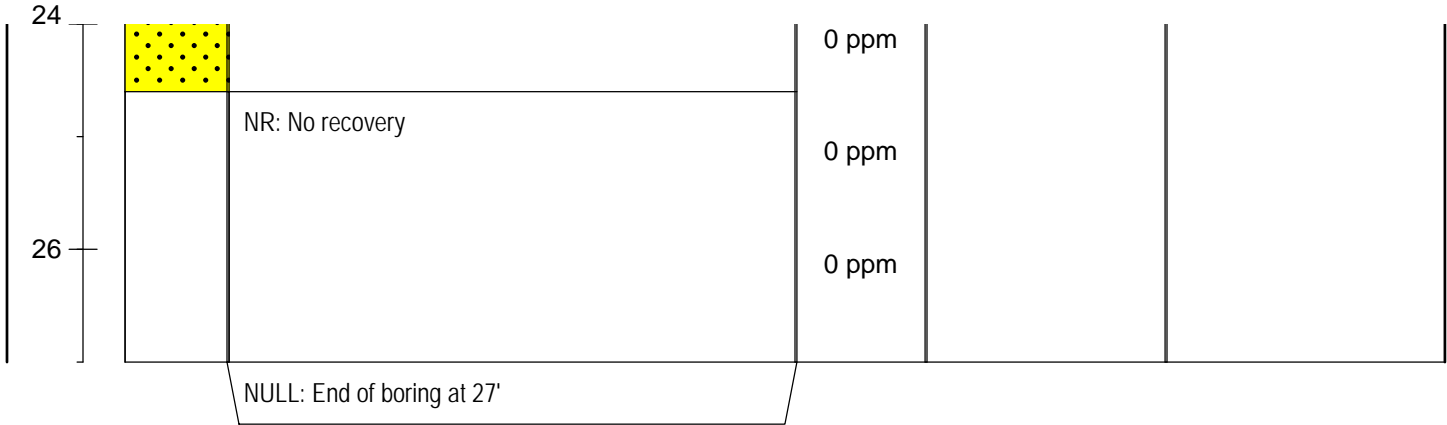
<div>ENSR AECOM</div>		Client: PPG		BORING ID: S16V	
		Site: PPG - Jersey City, NJ			
Start Date: 10/7/2005		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611428 Y-683545		Depth of Boring: 27.00	
End Date: 10/7/2005		Elevation: 17.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12					
14					
		PEAT: Black (7.5YR 2.5/1) peat	0 ppm	S16VA	Cr+6
16		CLAYEY SILT: Brown (7.5YR 4/3) silt and clay, decreasing organics, trace fine sand, cohesive	0 ppm		
		SILTY SAND: Dark reddish brown (2.5YR 3/4) fine to medium sand and silt, little fine to coarse gravel, loose	0 ppm		
		NR: No recovery	0 ppm		
18					
		SILTY SAND: Dark reddish brown (2.5YR 3/4) fine sand and silt and medium to coarse gravel, loose	0.1 ppm	S16VB	Cr+6
20		SAND: Dark reddish brown (2.5YR 3/4) fine to medium sand, trace coarse sand and silt, coarse gravel, loose	0.1 ppm		
		NR: No recovery	0.1 ppm		
22			0.1 ppm		
		SAND: Dark reddish brown (2.5YR 3/4) fine to coarse sand, little fine to coarse gravel, loose	0 ppm	S16VC	Cr+6
24					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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		Client: PPG		BORING ID: S16V	
		Site: PPG - Jersey City, NJ			
Start Date: 10/7/2005		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611428 Y-683545		Depth of Boring: 27.00	
End Date: 10/7/2005		Elevation: 17.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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		Client: PPG		BORING ID: S17V	
		Site: PPG - Jersey City, NJ			
Start Date: 10/6/2005		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611321 Y-683540		Depth of Boring: 28.00	
End Date: 10/6/2005		Elevation: 17.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG		BORING ID: S17V		
		Site: PPG - Jersey City, NJ				
Start Date: 10/6/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611321 Y-683540		Depth of Boring: 28.00		
End Date: 10/6/2005		Elevation: 17.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12					
14					
16					
		FILL: Black (7.5YR 2.5/1) fine to coarse gravel, MGP-like odor and product, loose	6.0 ppm		
		PEAT: Very dark gray (7.5YR 3/1) peat	16.5 ppm	S17VA	Cr+6
18		NR: No recovery	16.5 ppm		
			16.5 ppm		
20		SAND: Dark reddish brown (2.5YR 3/4) fine to medium sand, little coarse sand and silt, trace fine to coarse gravel and clay, loose	1.0 ppm		
			2.5 ppm	S17VB	Cr+6
22		NR: No recovery	2.5 ppm		
			2.5 ppm		
24					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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		Client: PPG			BORING ID: S17V		
		Site: PPG - Jersey City, NJ					
Start Date: 10/6/2005		Project: Site Investigation			Page: 3 of 3		
		Coordinates: X-611321 Y-683540			Depth of Boring: 28.00		
End Date: 10/6/2005		Elevation: 17.00			Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

ENSR AECOM	Client: PPG		BORING ID: S22V		
	Site: PPG - Jersey City, NJ				
Start Date: 10/7/2005	Project: Site Investigation		Page: 1 of 3		
	Coordinates: X-611403 Y-683741		Depth of Boring: 31.00		
End Date: 10/7/2005	Elevation: 14.00		Geologist: Richard Firely		
	Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		UNKNOWN: No Sleeves Collected.			
2					
4					
6					
8					
10					
12					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: S22V	
		Site: PPG - Jersey City, NJ			
Start Date: 10/7/2005		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611403 Y-683741		Depth of Boring: 31.00	
End Date: 10/7/2005		Elevation: 14.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12					
14					
16					
18					
19					
20		CLAYEY SILT: Dark gray (7.5YR 4/1) silt and clay, trace organics, cohesive	0.3 ppm	S22VA	Cr+6
20		GRAVEL: Dark gray (7.5YR 4/1) coarse gravel, loose	0.3 ppm		
21		SAND: Dark reddish brown (2.5YR 3/4) fine sand, silt and clay, trace fine gravel, cohesive	0.3 ppm		
22		GRAVEL: Reddish yellow (5YR 6/6) fine to coarse gravel, little fine to coarse sand, trace silt, loose	0.3 ppm		
23		NR: No recovery	0.3 ppm		
24		SAND: Dark reddish brown (2.5YR 3/4) fine sand, silt, medium to coarse gravel, trace medium to coarse sand and fine gravel, loose	0 ppm	S22VB	Cr+6

NOTES:

Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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ENSR AECOM		Client: PPG		BORING ID: S22V	
		Site: PPG - Jersey City, NJ			
Start Date: 10/7/2005		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611403 Y-683741		Depth of Boring: 31.00	
End Date: 10/7/2005		Elevation: 14.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

24			0 ppm		
		NR: No recovery	0 ppm		
26			0 ppm		
		SAND: Dark reddish brown (2.5YR 3/4) fine to medium sand, little coarse sand, trace fine to medium gravel, loose	0.2 ppm	S22VC	Cr+6
28		SAND: Dark reddish brown (2.5YR 3/4) fine sand, trace silt, loose	0.2 ppm		
		NR: No recovery	0.2 ppm		
30			0.2 ppm		
		NULL: End of Boring at 31'			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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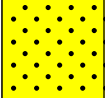
		Client: PPG		BORING ID: S6V	
		Site: PPG - Jersey City, NJ			
Start Date: 10/11/2005		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611460 Y-683354		Depth of Boring: 28.00	
End Date: 10/11/2005		Elevation: 13.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		NR: Not Logged			
2					
4					
6					
8					
10					
12					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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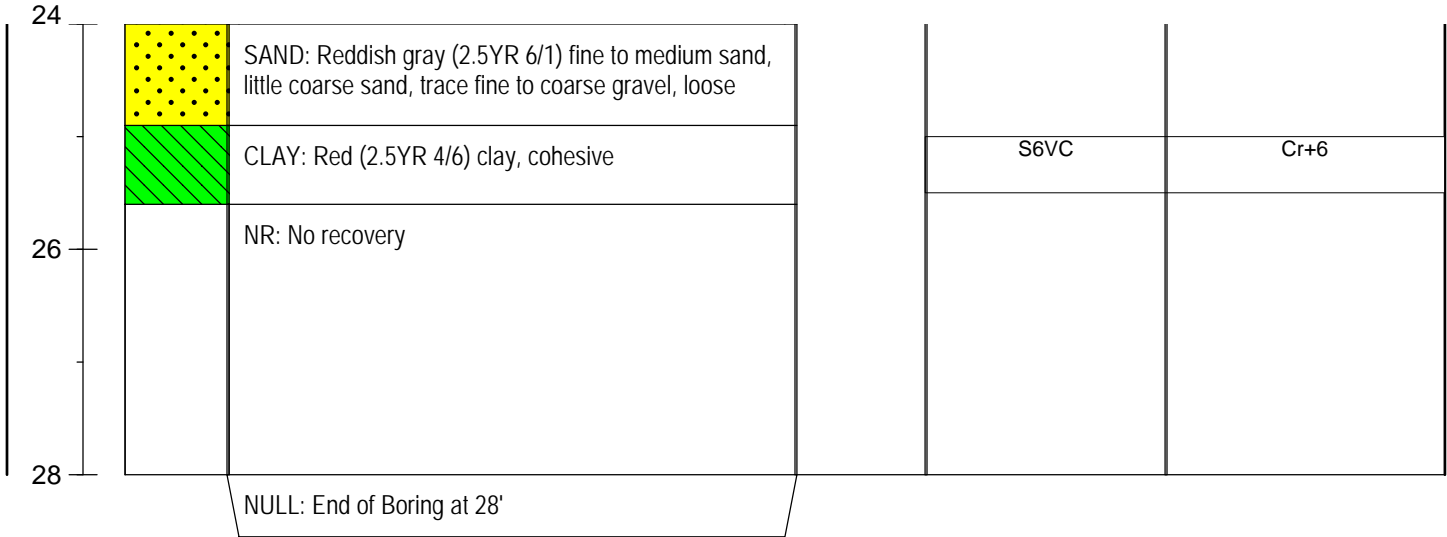
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		Site: PPG - Jersey City, NJ			
Start Date: 10/11/2005		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611460 Y-683354		Depth of Boring: 28.00	
End Date: 10/11/2005		Elevation: 13.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12					
14					
16		CLAYEY SILT: Dark reddish brown (2.5YR 3/3) silt and clay, cohesive			
18		GRAVEL: Dark reddish brown (2.5YR 3/3) fine to medium gravel and silt, little fine and coarse sand, trace coarse gravel, loose, reddish gray from 1.3 to 1.5 MGP-like odor	0.4 ppm	S6VA	Cr+6
		SAND: Dark reddish brown (2.5YR 3/4) fine to medium sand, some coarse sand, trace fine gravel, loose	0.4 ppm		
20		NR: No recovery	0.4 ppm		
		SAND: Reddish gray (2.5YR 6/1) fine to medium sand, little coarse sand, trace fine to coarse gravel, loose	0.4 ppm	S6VB	Cr+6
		NR: No recovery			
22					
24					

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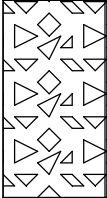


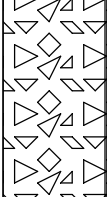
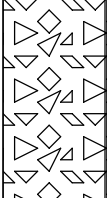
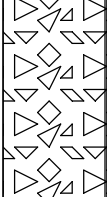
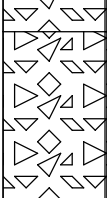
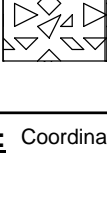

<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: S6V		
		Site: PPG - Jersey City, NJ			
Start Date: 10/11/2005		Project: Site Investigation	Page: 3 of 3		
		Coordinates: X-611460 Y-683354	Depth of Boring: 28.00		
End Date: 10/11/2005		Elevation: 13.00	Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: SB1		
		Site: PPG - Jersey City, NJ			
Start Date: 11/10/2003		Project: Site Investigation	Page: 1 of 3		
		Coordinates: X-611106.83 Y-683066.32	Depth of Boring: 30.00		
End Date: 11/10/2003		Elevation: 13.78	Geologist: A. Rymar		
		Drill Subcontractor: ADI	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

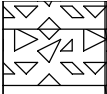


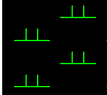
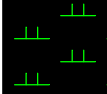
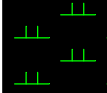
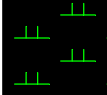
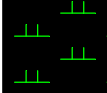
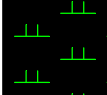
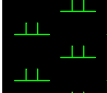
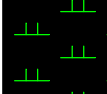
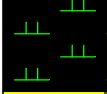
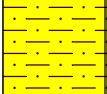
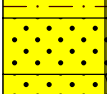

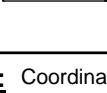

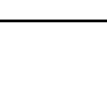
0		ASPHALT: Asphalt	0.0 ppm		
		FILL: Fill, Dark Reddish Brown (5YR 3/4) Concrete, coal, brick, fine sand, some silt, <25% CPR		SB10.5	VOC, BN, TAL Metals, CN
2			0.0 ppm		
		NR: No Recovery			
4		FILL: Reddish Brown (5YR 3/2) SAND(SW), fine sand, little silt, 100% CPR, some <1/4" gravel	0.0 ppm	SB14.0	VOC, BN, TAL Metals, CN
			0.0 ppm		
6			0.0 ppm		
8			0.0 ppm		
10		FILL: Reddish Brown (5YR 3/2) SAND (SW), fine to coarse sand, little silt, little <1/4" gravel	0.0 ppm		
12					

NOTES:

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB1		
		Site: PPG - Jersey City, NJ				
Start Date: 11/10/2003		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611106.83 Y-683066.32		Depth of Boring: 30.00		
End Date: 11/10/2003		Elevation: 13.78		Geologist: A. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

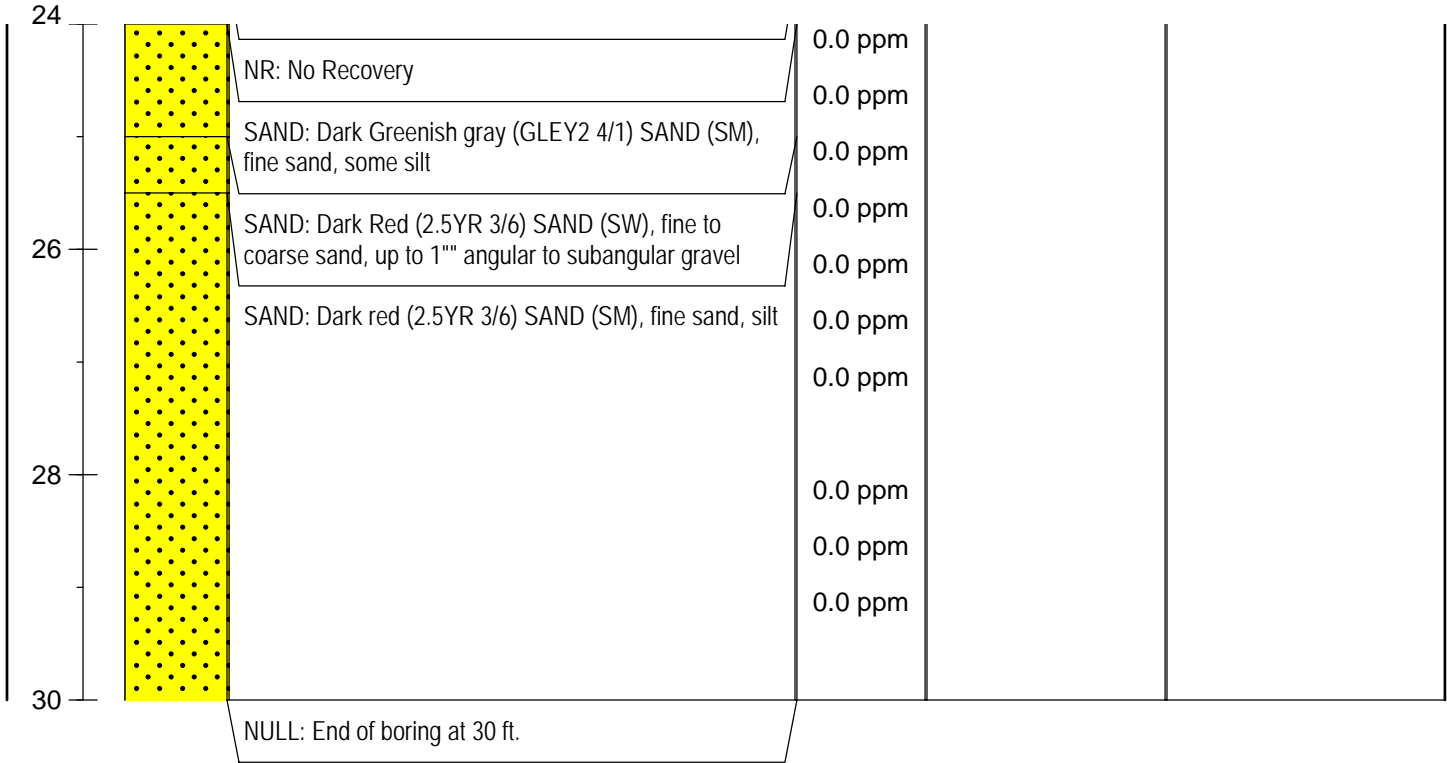
12		FILL: Reddish Brown (5YR 3/2) SAND (SW), fine to coarse sand, some gravel, COPR	0.0 ppm		
			0.0 ppm		
		FILL: Greenish Black (GLE Y2 2.5/1) SILT (OL), some clay and organic fibers			
14		NR: No Recovery	0.0 ppm		
			0.0 ppm		
		PEAT: Greenish black (GLE Y2 2.5/1) PEAT (PT), silt with clay and organic fibers	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
16			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
18			0.0 ppm	SB118.0; SB1D18.0	TAL Metals and Cr+6
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
20			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
22		SILT: Greenish Gray (GLE Y2 4/1) SILT (ML), some clay, trace sand	0.0 ppm	SB121.5	VOC, BN, TAL Metals, CN
			0.0 ppm		
		SAND: Dark Greenish gray (GLE Y2 4/1) SAND (SM), fine sand, some silt	0.0 ppm		
			0.0 ppm		
		SAND: Red (2.5YR 4/6) SAND (SW), fine sand, some silt, little <1/4" gravel	0.0 ppm		
			0.0 ppm		
24					

NOTES:

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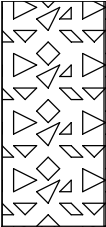
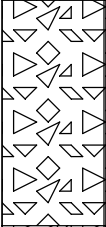
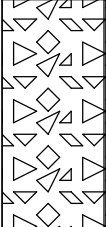
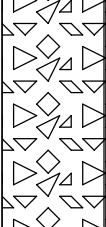
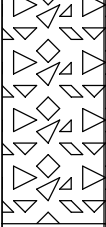

<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: SB1		
		Site: PPG - Jersey City, NJ			
Start Date: 11/10/2003		Project: Site Investigation	Page: 3 of 3		
		Coordinates: X-611106.83 Y-683066.32	Depth of Boring: 30.00		
End Date: 11/10/2003		Elevation: 13.78	Geologist: A. Rymar		
		Drill Subcontractor: ADI	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: SB10		
		Site: PPG - Jersey City, NJ			
Start Date: 11/17/2003		Project: Site Investigation	Page: 1 of 2		
		Coordinates: X-611652.55 Y-683278.35	Depth of Boring: 20.00		
End Date: 11/17/2003		Elevation: 14.97	Geologist: A. Rymar		
		Drill Subcontractor: ADI	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

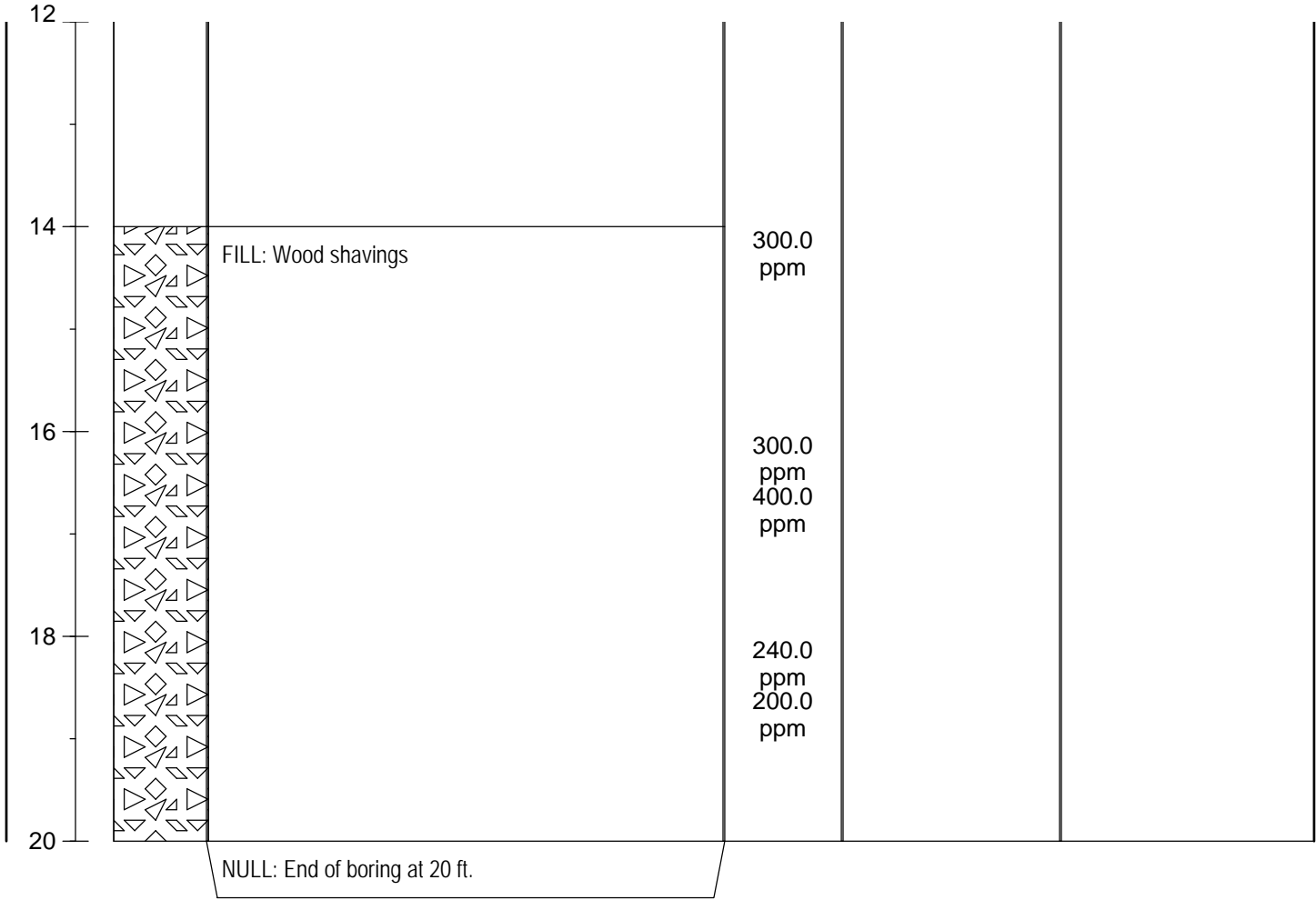
0		FILL: Reddish brown (2.5YR 4/4) fine sand, some silt, brick, wood, subangular gravel up to 1	3.0 ppm 4.0 ppm		
2		FILL: fine sand, some silt, wood, stained black	140.0 ppm		
4		FILL: Brick, wood, gravel	160.0 ppm 240.0 ppm		
6			260.0 ppm		
8			240.0 ppm		
10		NR: No Recovery			
12					

NOTES:

Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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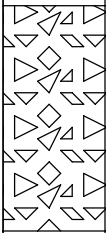
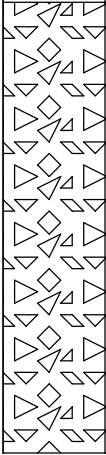
<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: SB10		
		Site: PPG - Jersey City, NJ			
Start Date: 11/17/2003	Project: Site Investigation		Page: 2 of 2		
	Coordinates: X-611652.55 Y-683278.35		Depth of Boring: 20.00		
End Date: 11/17/2003	Elevation: 14.97		Geologist: A. Rymar		
	Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: SB11		
		Site: PPG - Jersey City, NJ			
Start Date: 11/17/2003		Project: Site Investigation	Page: 1 of 5		
		Coordinates: X-611727.88 Y-683272.84	Depth of Boring: 50.00		
End Date: 11/17/2003		Elevation: 16.31	Geologist:		
		Drill Subcontractor: ADI	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		NR: No Recovery			
2					
4		FILL: Dark grayish brown (10YR 3/2) fine to coarse sand, some silt and gravel, glass, clinker material (CM), and brick	4.7 ppm 19.0 ppm 3.0 ppm		
6		NR: No Recovery	3.3 ppm 4.9 ppm		
8		FILL: Dark grayish brown (10YR 3/2) fine to coarse sand and gravel, some silt, clinker material (CM), ash, glass, brick, and wood fragments	260.0 ppm 345.0 ppm		
10			216.0 ppm		
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB11	
		Site: PPG - Jersey City, NJ			
Start Date: 11/17/2003		Project: Site Investigation		Page: 2 of 5	
		Coordinates: X-611727.88 Y-683272.84		Depth of Boring: 50.00	
End Date: 11/17/2003		Elevation: 16.31		Geologist:	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		NR: No Recovery	145.0 ppm		
14		FILL: Dark grayish brown (10YR 3/2) fine to coarse sand and gravel, some silt, ash, glass, brick, and wood fragments	702.0 ppm		
16		SAND: Dark gray (10YR 4/1) fine to coarse sand, coarse gravel	465.0 ppm		
		NR: No Recovery			
18		SAND: Reddish brown (5YR 5/3) fine sand, silt and gravel	1165.0 ppm 759.0 ppm		
20		SAND: Black (10YR 2/1) fine to coarse sand, gravel	1230.0 ppm		
22			1359.0 ppm		
24					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB11	
		Site: PPG - Jersey City, NJ			
Start Date: 11/17/2003		Project: Site Investigation		Page: 3 of 5	
		Coordinates: X-611727.88 Y-683272.84		Depth of Boring: 50.00	
End Date: 11/17/2003		Elevation: 16.31		Geologist:	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

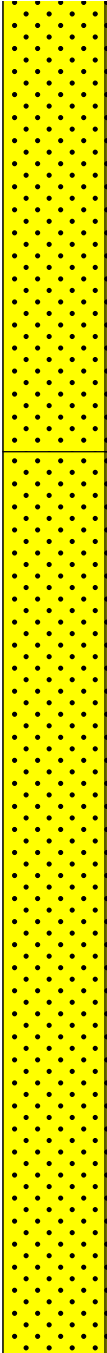
24		SAND: Gray (10YR 5/2) fine to coarse sand, gravel	1342.0 ppm 1539.0 ppm		
		SILTY SAND: Grayish brown (10YR 5/1) fine to coarse sand, silt, trace gravel			
26		SAND: Dark gray (10YR 3/1) fine to coarse sand. Wood at 26.25 feet.	908.0 ppm 2965.0 ppm		
		SAND: Dark grayish brown (10YR 3/2) fine to coarse sand	337.0 ppm 1654.0 ppm 173.0 ppm		
28		SAND: Dark reddish brown (5YR 3/2) fine to coarse sand	1115.0 ppm 690.0 ppm		
30			731.0 ppm 36.0 ppm		
32					
34		SAND: Reddish brown (2.5YR 4/4) fine to medium sand, some silt	225.0 ppm 91.0 ppm		
36					

NOTES:

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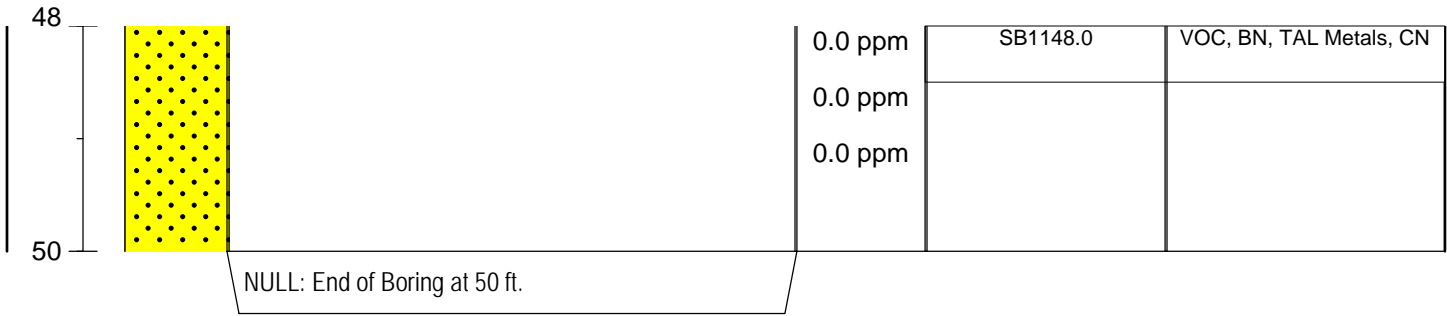
<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB11	
		Site: PPG - Jersey City, NJ			
Start Date: 11/17/2003		Project: Site Investigation		Page: 4 of 5	
		Coordinates: X-611727.88 Y-683272.84		Depth of Boring: 50.00	
End Date: 11/17/2003		Elevation: 16.31		Geologist:	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

36		SAND: Reddish brown (2.5YR 4/4) fine sand, some silt	27.0 ppm		
			63.0 ppm		
			19.0 ppm		
38			12.3 ppm		
			23.7 ppm		
			11.0 ppm		
40			140.0 ppm		
			114.0 ppm		
42			318.0 ppm		
			53.0 ppm		
			24.0 ppm		
44			69.0 ppm		
			77.0 ppm		
			25.0 ppm		
46			12.1 ppm		
			0.0 ppm		
48					

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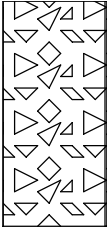

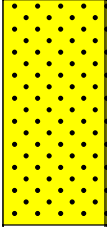

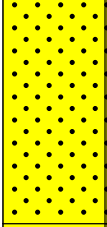
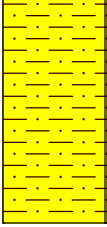
		Client: PPG		BORING ID: SB11	
		Site: PPG - Jersey City, NJ			
Start Date: 11/17/2003		Project: Site Investigation		Page: 5 of 5	
		Coordinates: X-611727.88 Y-683272.84		Depth of Boring: 50.00	
End Date: 11/17/2003		Elevation: 16.31		Geologist:	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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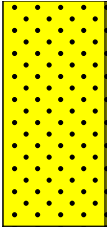
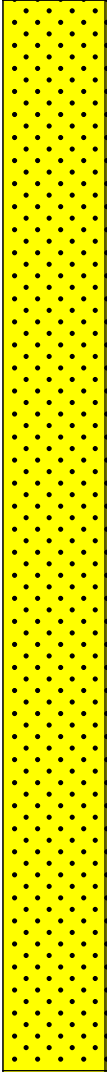

<div>ENSR AECOM</div>		Client: PPG			BORING ID: SB12		
		Site: PPG - Jersey City, NJ					
Start Date: 11/13/2003		Project: Site Investigation			Page: 1 of 3		
		Coordinates: X-611816.37 Y-683335.18			Depth of Boring: 24.00		
End Date: 11/13/2003		Elevation: 15.80			Geologist:		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		FILL: Reddish brown (5YR 4/4) fine sand, brick fragments	0.0 ppm	SB120.0	SVOC, TAL Metals, CN
			0.0 ppm		
2		NR: No Recovery	0.0 ppm	SB121.0	VOC
			0.0 ppm		
4		SAND: Reddish yellow (7.5YR 6/6) fine sand, some silt	0.0 ppm	SB124.0	VOC, BN, TAL Metals, CN
6		NR: No Recovery			
8		SAND: Reddish yellow (7.5YR 6/6) fine sand, some silt, little clay, angular gravel from 8.2' to 8.3'	0.0 ppm		
			0.0 ppm		
10		SILT: Reddish brown (5YR 4/4) silt, some sand, 1/4" angular gravel	0.0 ppm		
12					

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	<div>BORING ID:</div> <div>SB12</div>		
		Site: PPG - Jersey City, NJ			
<div>Start Date:</div> <div>11/13/2003</div>		Project: Site Investigation	Page: 2 of 3		
		Coordinates: X-611816.37 Y-683335.18	Depth of Boring: 24.00		
<div>End Date:</div> <div>11/13/2003</div>		Elevation: 15.80	Geologist:		
		Drill Subcontractor: ADI	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		SAND: Reddish brown (5YR 4/4) sand, some silt, firm	0.0 ppm	SB1214.0	VOC, BN, TAL Metals, CN
			0.0 ppm		
			0.0 ppm		
14		SAND: Reddish brown (5YR 4/4) fine to coarse sand	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
16			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
18			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
20			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
22			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
24		SILT: Reddish brown (5YR 4/4) silt, some clay, trace	0.0 ppm		

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		Client: PPG		BORING ID: SB12	
		Site: PPG - Jersey City, NJ			
Start Date: 11/13/2003		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611816.37 Y-683335.18		Depth of Boring: 24.00	
End Date: 11/13/2003		Elevation: 15.80		Geologist:	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

24

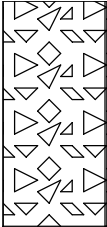
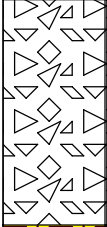
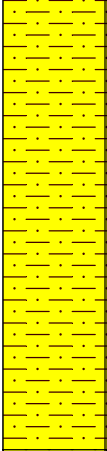
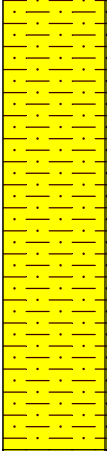
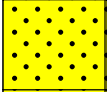
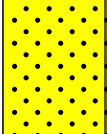
fine sand, firm

NULL: End of Boring at 24 ft.

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: SB13C		
		Site: PPG - Jersey City, NJ			
Start Date: 11/19/2003	Project: Site Investigation		Page: 1 of 5		
	Coordinates: X-611770.01 Y-683506.39		Depth of Boring: 50.00		
End Date: 11/19/2003	Elevation: 13.96		Geologist:		
	Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: Brownish yellow (10YR 6/6) silt, some sand, gravel, brick and coal fragments	0.0 ppm		
2		NR: No Recovery			
4		FILL: Brownish yellow (10YR 6/6) silt, some sand, gravel, brick and coal fragments	0.0 ppm		
6		SILT: Fine sand, little clay, stained black	30.0 ppm		
			60.0 ppm		
			80.0 ppm		
8		SILT: Fine sand, little clay, stained black	30.0 ppm		
			15.0 ppm		
			15.0 ppm		
10		SAND: Reddish brown (2.5YR 4/4) fine to coarse sand, some silt, subangular gravel up to 1	90.0 ppm		
		SAND: Reddish brown (2.5YR 4/4) fine to coarse sand, some silt	120.0 ppm		
			110.0 ppm		
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB13C	
		Site: PPG - Jersey City, NJ			
Start Date: 11/19/2003		Project: Site Investigation		Page: 2 of 5	
		Coordinates: X-611770.01 Y-683506.39		Depth of Boring: 50.00	
End Date: 11/19/2003		Elevation: 13.96		Geologist:	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

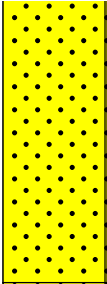


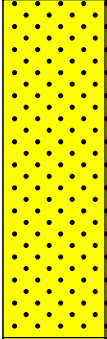
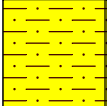
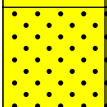
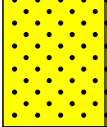
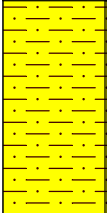
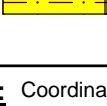


12			130.0 ppm 175.0 ppm 90.0 ppm		
14			36.0 ppm 40.0 ppm 30.0 ppm		
16		SAND: Dark red (2.5YR 3/6) fine to coarse sand, little silt, gravel up to 1", yellow and green staining	20.0 ppm 30.0 ppm 15.0 ppm		
18			30.0 ppm 25.0 ppm		
20		SAND: Medium to coarse sand, trace silt, rounded to subangular	60.0 ppm 8.0 ppm		
		SILT: Reddish brown (2.5YR 4/4) silt, some fine sand, firm	21.0 ppm		
22		SAND: Dark red (2.5YR 3/4) fine to coarse sand, 1/2" angular gravel yellow and green staining	16.0 ppm 8.0 ppm 6.0 ppm		
24					

NOTES:

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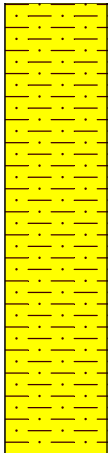
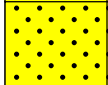
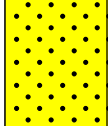
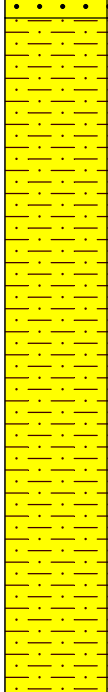

<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB13C		
		Site: PPG - Jersey City, NJ				
Start Date: 11/19/2003		Project: Site Investigation		Page: 3 of 5		
		Coordinates: X-611770.01 Y-683506.39		Depth of Boring: 50.00		
End Date: 11/19/2003		Elevation: 13.96		Geologist:		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

24			6.0 ppm		
			40.0 ppm		
26			8.0 ppm		
		SAND: Dark red (2.5YR 3/4) fine to coarse sand, 1/2" to 1" angular gravel	6.0 ppm		
		NR: No Recovery	6.0 ppm		
28					
		SAND: Dark red (2.5YR 3/4) fine to coarse sand, some silt	4.0 ppm		
			4.2 ppm		
			1.0 ppm		
30					
			6.0 ppm		
			4.0 ppm		
		SILT: Dark red (2.5YR 3/4) silt, some fine sand	3.0 ppm		
32			3.0 ppm		
		SAND: Dark red (2.5YR 3/4) fine to coarse sand, some silt	3.0 ppm		
			4.0 ppm		
			1.5 ppm		
34					
		SILT: Dark red (2.5YR 3/4) silt, little sand, firm	0.0 ppm	SB13C34.0	VOC, BN, TAL Metals, CN
			0.0 ppm		
			0.0 ppm		
36					

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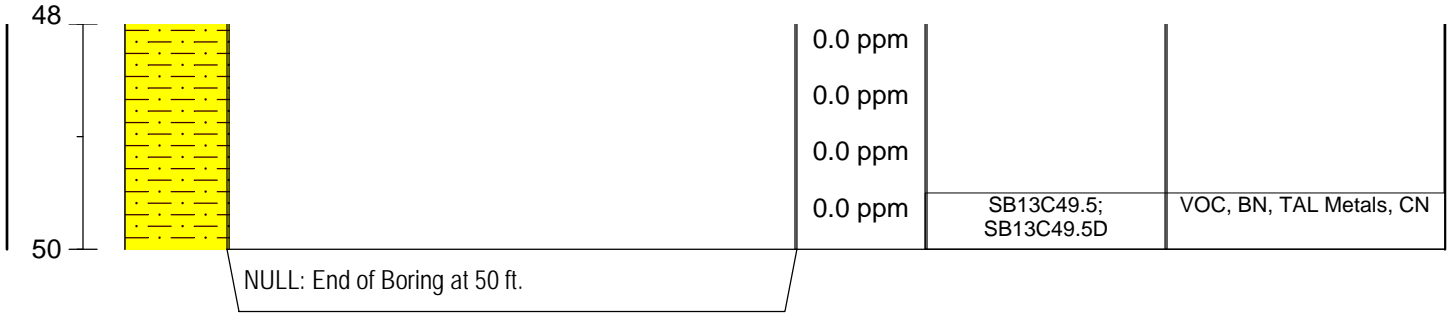
<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB13C	
		Site: PPG - Jersey City, NJ			
Start Date: 11/19/2003		Project: Site Investigation		Page: 4 of 5	
		Coordinates: X-611770.01 Y-683506.39		Depth of Boring: 50.00	
End Date: 11/19/2003		Elevation: 13.96		Geologist:	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

36		SILT: Dark red (2.5YR 3/4) silt, some clay, little sand, firm	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
38			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
40		SAND: Dark red (2.5YR 4/4) fine sand, some silt, trace clay	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
42		SILT: Dark red (2.5YR 4/4) silt, some clay, little sand, firm	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
48			0.0 ppm		
			0.0 ppm		

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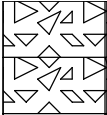

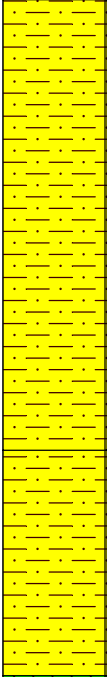
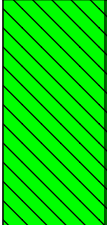
<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB13C	
		Site: PPG - Jersey City, NJ			
Start Date: 11/19/2003		Project: Site Investigation		Page: 5 of 5	
		Coordinates: X-611770.01 Y-683506.39		Depth of Boring: 50.00	
End Date: 11/19/2003		Elevation: 13.96		Geologist:	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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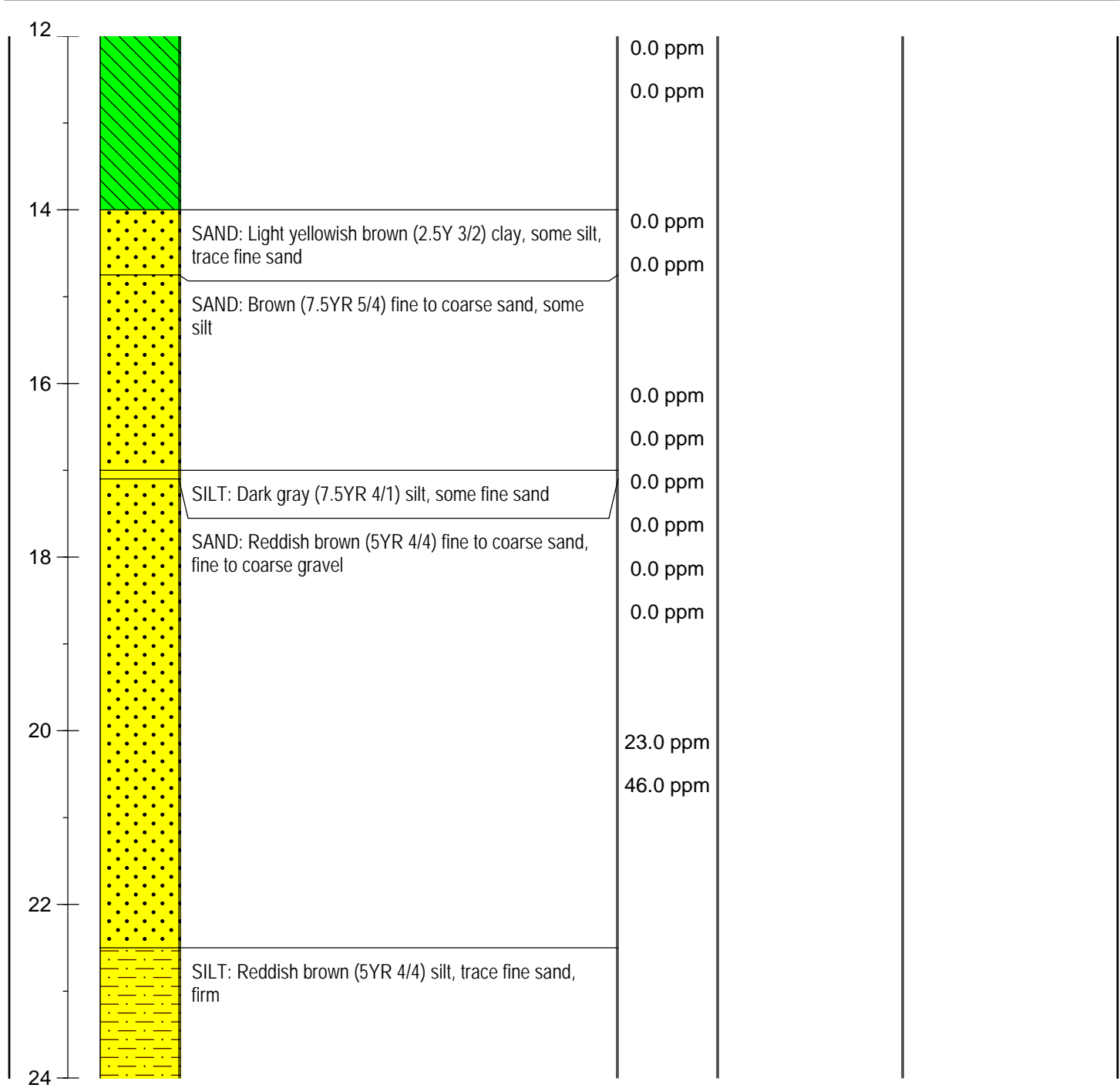
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		Site: PPG - Jersey City, NJ				
Start Date: 11/13/2003		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-611710.87 Y-683563.6		Depth of Boring: 30.00		
End Date: 11/13/2003		Elevation: 13.07		Geologist:		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		FILL: Reddish brown (2.5YR 4/3) silt, fine sand, coarse brick	0.0 ppm		
		FILL: Black (5YR 2.5/1) fine to coarse sand, gravel, clinker-like material (CLM), coal, ash	0.0 ppm		
2		NR: No Recovery	0.0 ppm		
4		SILT: Brown (7.5YR 4/3) silt, some fine sand, trace clay and fine gravel, wood fragments at 4.0'	0.0 ppm		
6			0.0 ppm		
			0.0 ppm		
8		SILT: Dark grayish brown (2.5Y 3/2) silt, some clay, trace fine sand, wood fragments	0.0 ppm		
			0.0 ppm		
10		CLAY: Dark grayish brown (2.5Y 3/2) clay, some silt, trace fine sand	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
12					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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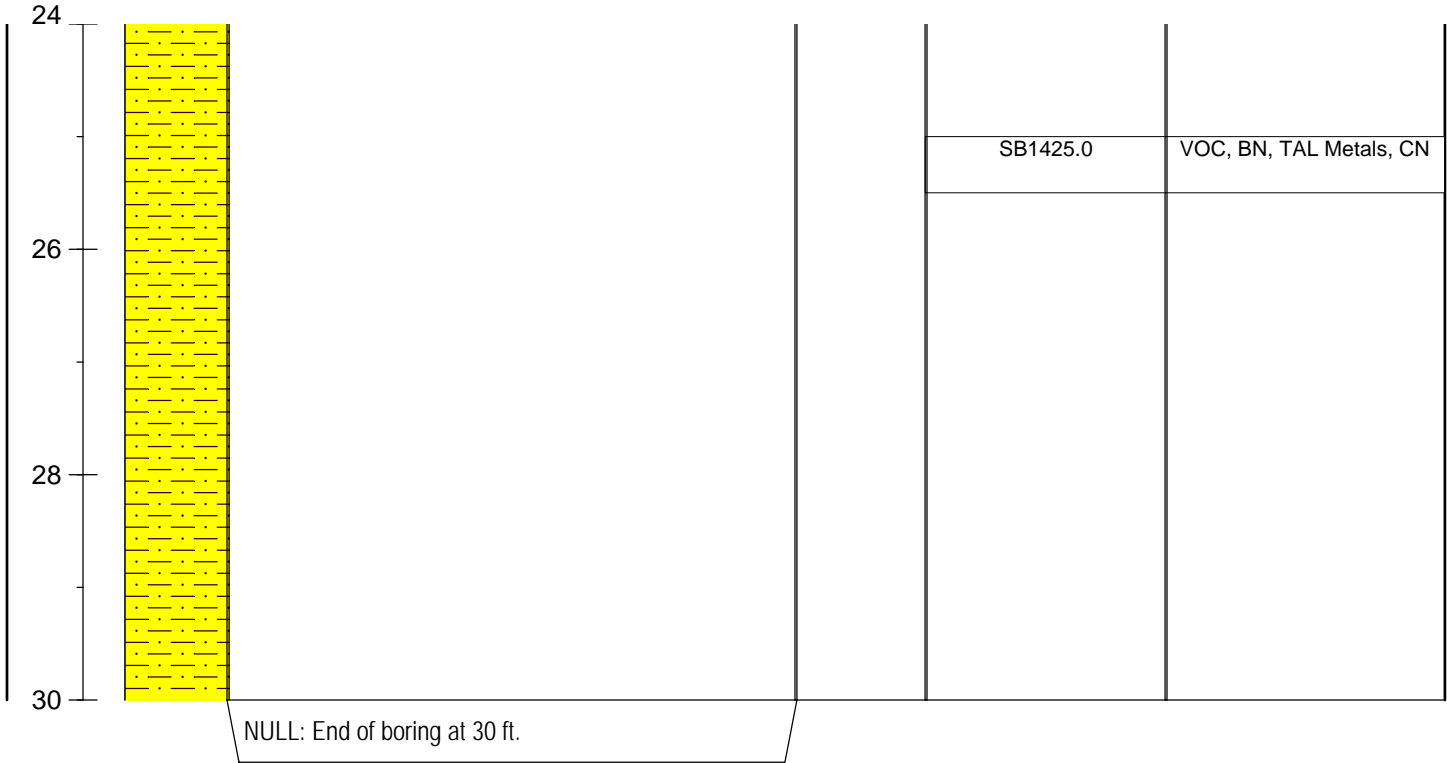
<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB14		
		Site: PPG - Jersey City, NJ				
Start Date: 11/13/2003		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611710.87 Y-683563.6		Depth of Boring: 30.00		
End Date: 11/13/2003		Elevation: 13.07		Geologist:		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters



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		Client: PPG		BORING ID: SB14	
		Site: PPG - Jersey City, NJ			
Start Date: 11/13/2003		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611710.87 Y-683563.6		Depth of Boring: 30.00	
End Date: 11/13/2003		Elevation: 13.07		Geologist:	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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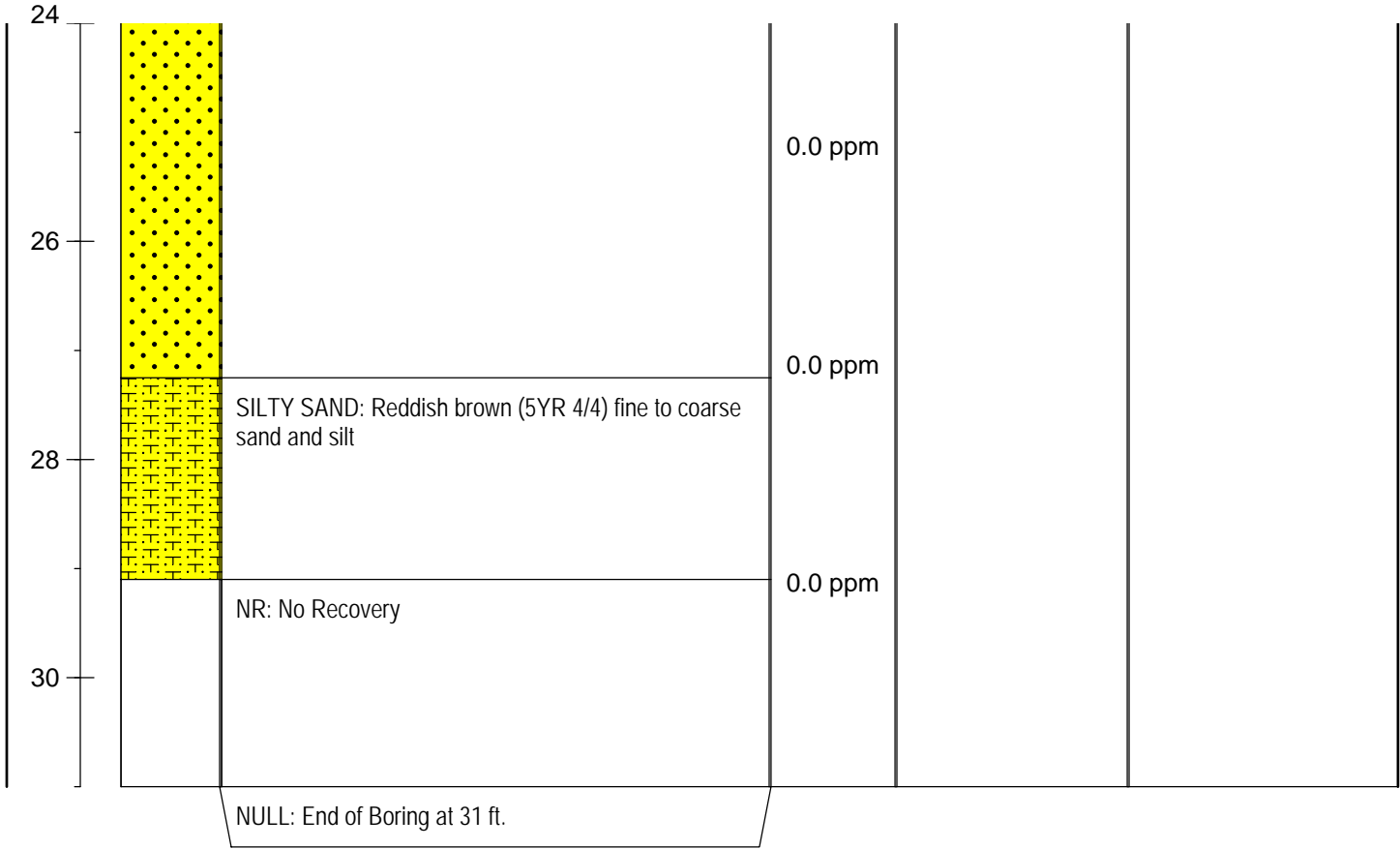
<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB15		
		Site: PPG - Jersey City, NJ				
Start Date: 11/14/2003		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611553.68 Y-683658.21		Depth of Boring: 31.00		
End Date: 11/14/2003		Elevation: 16.56		Geologist:		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12			21.0 ppm		
			13.0 ppm		
			0.0 ppm		
			0.0 ppm		
14			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
16			0.0 ppm		
18					
			11.0 ppm		
			9.0 ppm		
20			3.0 ppm		
			2.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm	SB1521.5	VOC, BN, TAL Metals, CN
22			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
24					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB15		
		Site: PPG - Jersey City, NJ				
Start Date: 11/14/2003		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611553.68 Y-683658.21		Depth of Boring: 31.00		
End Date: 11/14/2003		Elevation: 16.56		Geologist:		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB16		
		Site: PPG - Jersey City, NJ				
Start Date: 11/14/2003		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-611436.2 Y-683543.54		Depth of Boring: 29.00		
End Date: 11/14/2003		Elevation: 17.19		Geologist:		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

<div> <div>0</div> <div>2</div> <div>4</div> <div>6</div> <div>8</div> <div>10</div> <div>12</div> </div>		FILL: Dark brown (10YR 3/3) fine to medium sand, silt, gravel, COPR nodules, wook chips, brick	0.0 ppm	SB160.0	VOC, BN, TAL Metals, CN
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm	SB163.5	VOC, BN, TAL Metals, CN
			0.0 ppm		
		FILL: Dark yellowish brown (10YR 4/4) silt, some fine sand, COPR precipitate	0.0 ppm		
			0.0 ppm		
		FILL: Dark yellowish brown (10YR 4/4) silt, some clay, trace fine sand, COPR nodules and precipitate, some gravel from 7.0-8.0'	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
		FILL: Green COPR precipitate	0.0 ppm		
			0.0 ppm		
		FILL: Dark brown (10YR 3/3) fine to coarse sand, gravel, COPR nodules	0.0 ppm		
			0.0 ppm		
		FILL: Black (5YR 2.5/1) fine to coarse sand, gravel, coal fragments from 11.0-13.0'	0.0 ppm		
			0.0 ppm		
		NR: No Recovery	0.0 ppm		
			0.0 ppm		

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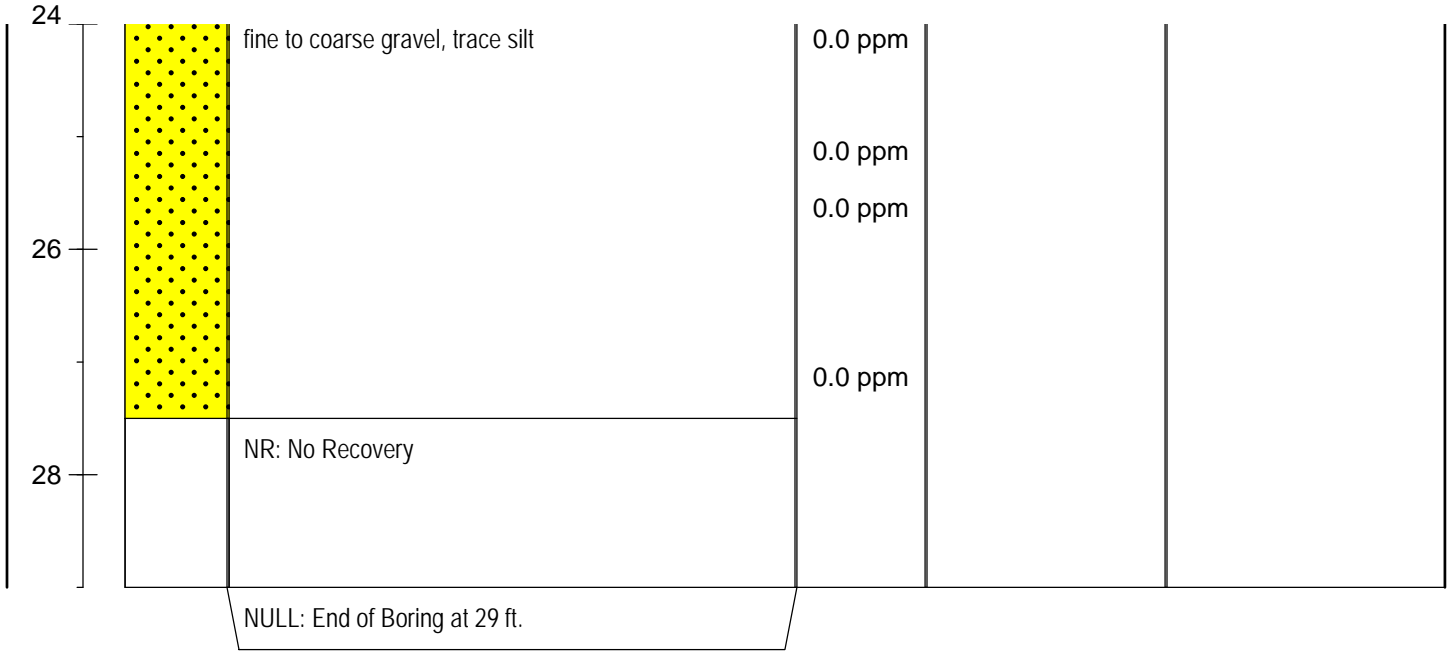
<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB16	
		Site: PPG - Jersey City, NJ			
Start Date: 11/14/2003		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611436.2 Y-683543.54		Depth of Boring: 29.00	
End Date: 11/14/2003		Elevation: 17.19		Geologist:	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
14		FILL: Brown (7.5YR 4/2) mottled with dark brown (7.5YR 2.5/2) fine to coarse sand, gravel, shale fragments, silt, brick	0.0 ppm	SB1614.0	TAL Metals, Cr+6
			0.0 ppm		
			0.0 ppm		
16		SAND: Brown (7.5YR 4/2) fine to medium sand, some silt	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
18		PEAT: Olive gray (5Y 4/2) silt and lclay with organic matter, trace fine sand	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
20		SAND: Dark reddish gray (5YR 4/2) fine to coarse sand, fine to coarse gravel, trace silt	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm	SB1621.0	VOC, BN, TAL Metals, CN
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
24		SAND: Strong brown (7.5YR 5/6) fine to coarse sand,	0.0 ppm		

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		Client: PPG		BORING ID: SB16	
		Site: PPG - Jersey City, NJ			
Start Date: 11/14/2003		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611436.2 Y-683543.54		Depth of Boring: 29.00	
End Date: 11/14/2003		Elevation: 17.19		Geologist:	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB17	
		Site: PPG - Jersey City, NJ			
Start Date: 11/18/2003		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611320.82 Y-683529.03		Depth of Boring: 31.00	
End Date: 11/18/2003		Elevation: 18.08		Geologist:	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete			
			0.0 ppm		
			0.0 ppm		
2		FILL: Brownish yellow (10YR 6/8) fine to medium sand			
			0.0 ppm		
		FILL: Dark brown (10YR 3/3) fine to medium sand, silt, gravel, brick			
			0.0 ppm		
		NR: No Recovery			
			0.0 ppm		
		CONCRETE: Concrete fragments			
4					
		FILL: Dark reddish brown (5YR 3/3) fine to medium sand, silt, COPR nodules	0.0 ppm		
6			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
		FILL: Dark reddish brown (5YR 3/3) fine to coarse sand, gravel, COPR nodules from 6.5-9.0'	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
8					
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
10					
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
12					

NOTES:

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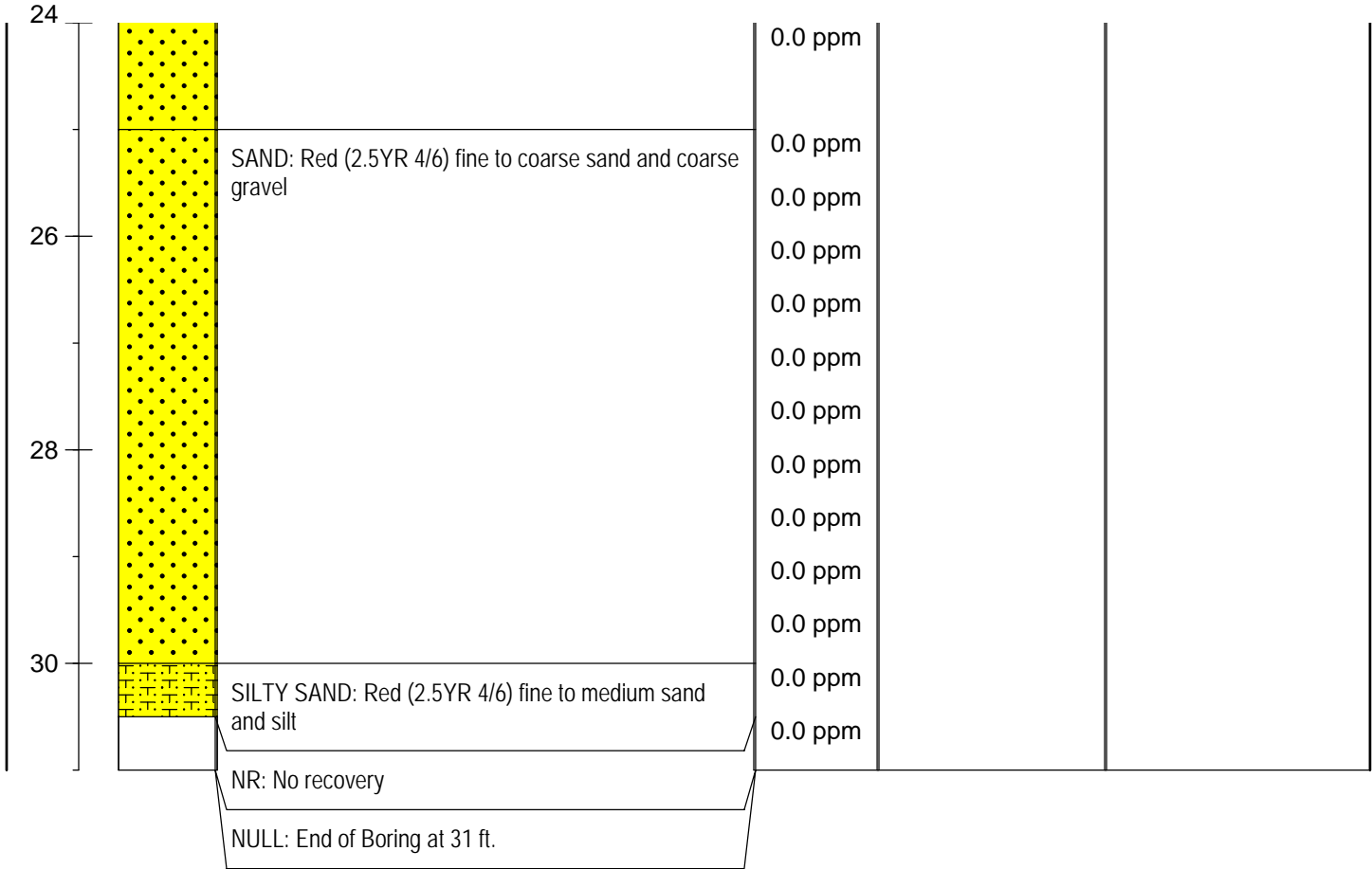
<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB17		
		Site: PPG - Jersey City, NJ				
Start Date: 11/18/2003		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611320.82 Y-683529.03		Depth of Boring: 31.00		
End Date: 11/18/2003		Elevation: 18.08		Geologist:		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Dark reddish brown (5YR 3/3) fine to coarse gravel and sand, wood at 13'	0.0 ppm		
			35.0 ppm		
			46.0 ppm		
14			67.0 ppm		
			53.0 ppm	SB1715.0	TAL Metals, Cr+6
		PEAT: Dark brown (10YR 3/3) silt with organic matter, wood fragments at 17'	62.0 ppm		
			49.0 ppm		
16			27.0 ppm		
			0.8 ppm		
			0.7 ppm		
18		PEAT: Light olive brown (2.5Y 5/3) silt with organic matter	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
20			0.0 ppm		
			0.0 ppm		
		SAND: Weak red (2.5YR 4/2) fine to coarse sand, gravel	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
22			0.0 ppm		
			0.0 ppm		
		GRAVEL: Red (2.5YR 4/6) fine to coarse gravel and sand	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
		SAND: Red (2.5YR 4/6) fine to coarse sand and gravel	0.0 ppm	SB1723.0	VOC, BN, TAL Metals, CN
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
24			0.0 ppm		

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: SB17		
		Site: PPG - Jersey City, NJ			
Start Date: 11/18/2003	Project: Site Investigation		Page: 3 of 3		
	Coordinates: X-611320.82 Y-683529.03		Depth of Boring: 31.00		
End Date: 11/18/2003	Elevation: 18.08		Geologist:		
	Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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BORING ID:
SB18

Page: 1 of 3

Depth of Boring: 25.00

Geologist:

Driller:

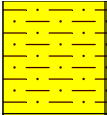
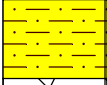


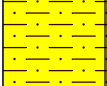
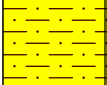
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
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0	ASPHALT: Asphalt/road base			
1	FILL: Dark Reddish brown (2.5YR 3/4) fine sand, some silt, COPR	0.0 ppm	SB181.0	VOC, BN, TAL Metals, CN
2	FILL: Light bluish gray (GEY 2 8/1) sand, some silt, trace clay, firm, yellow COPR precipitate, soda ash from 3.0'	0.0 ppm		
3		0.0 ppm		
4		0.0 ppm		
5		0.0 ppm		
6		0.0 ppm		
7		0.0 ppm		
8		0.0 ppm		
9		0.0 ppm		
10		0.0 ppm		
11		0.0 ppm		
12		0.0 ppm		

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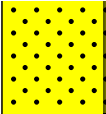
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		Site: PPG - Jersey City, NJ				
Start Date: 11/13/2003		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611207.47 Y-683520.14		Depth of Boring: 25.00		
End Date: 11/13/2003		Elevation: 13.77		Geologist:		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		SILT: Light greenish gray (GLEY 1 8/1) silt, trace clay, trace sand, yellow COPR precipitate, firm	0.0 ppm		
			0.0 ppm		
14		SILT: Light greenish gray (GLEY 1 8/1) silt, trace clay, trace sand, firm	35.0 ppm		
			46.0 ppm		
		FILL: COAL	67.0 ppm		
16		SILT: Light greenish gray (GLEY 1 8/1) silt, trace clay, trace sand, firm, yellow COPR precipitated at 14.2'	53.0 ppm	SB1815.0	VOC, BN, TAL Metals, CN
			62.0 ppm		
		FILL: Red (2.5YR 4/6) fine to coarse sand, some silt, coal	49.0 ppm		
18		SILT: Greenish gray (GLEY 2 6/1) silt, some fine sand, some stained yellow precipitate	27.0 ppm		
			0.8 ppm		
		SILT: Black (GLEY 1 2.5/1) silt with clay, trace organic fibers	0.7 ppm		
20		SAND: Reddish brown (5YR 4/4) fine to coarse sand, some silt, angular and subangular gravel up to 1", some yellow and green COPR precipitate	0.0 ppm	SB1819.0	VOC, BN, TAL Metals, CN
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
24					

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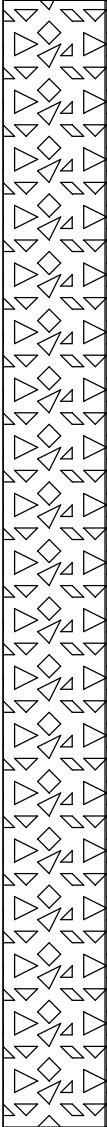
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		Site: PPG - Jersey City, NJ			
Start Date: 11/13/2003		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611207.47 Y-683520.14		Depth of Boring: 25.00	
End Date: 11/13/2003		Elevation: 13.77		Geologist:	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

24			0.0 ppm		
			0.0 ppm		
NULL: End of Boring at 25 ft.					

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ENSR AECOM		Client: PPG		BORING ID: SB19		
		Site: PPG - Jersey City, NJ				
Start Date: 11/17/2003		Project: Site Investigation		Page: 1 of 5		
		Coordinates: X-611466.56 Y-683797.84		Depth of Boring: 50.00		
End Date: 11/17/2003		Elevation: 14.87		Geologist:		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		ASPHALT: Asphalt and concrete			
		FILL: Dark reddish brown (5YR 3/4) fine sand, silt, COPR	0.0 ppm	SB190.5	VOC, BN, TAL Metals, CN
			0.0 ppm		
			0.0 ppm		
2			0.0 ppm		
			0.0 ppm		
			0.0 ppm	SB192.5	VOC, BN, TAL Metals, CN
			0.0 ppm		
			0.0 ppm		
4			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
6			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
8			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
10			0.0 ppm		
			0.0 ppm		
		FILL: Wood, organic debris, clinker-like material, ash-like material	0.0 ppm		
12					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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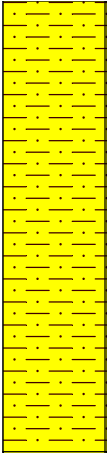
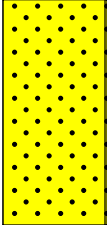
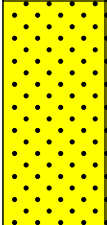
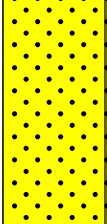
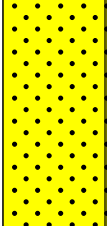
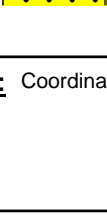

ENSR AECOM		Client: PPG		BORING ID: SB19		
		Site: PPG - Jersey City, NJ				
Start Date: 11/17/2003		Project: Site Investigation		Page: 2 of 5		
		Coordinates: X-611466.56 Y-683797.84		Depth of Boring: 50.00		
End Date: 11/17/2003		Elevation: 14.87		Geologist:		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12			0.0 ppm	SB1912.0	TAL Metals, Cr+6
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
14		PEAT: Reddish yellow (7.5YR 6/6) silt with clay	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
16		PEAT: Reddish yellow (7.5YR 6/6) silt with clay	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
18		SILT: Dark bluish gray (GLEY 2 4/1) silt, fine sand, little organic fibers	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
20		SAND: Reddish gray (2.5YR 6/1) fine sand, some silt, some yellow/brown staining (oxidation)	0.0 ppm	SB1920.0	VOC, BN, TAL Metals, CN
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
22		SAND: Dark Reddish brown (2.5YR 3/4) fine to coarse sand, some silt, 1" subangular gravel	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
24		SAND: Dark Reddish brown (2.5YR 3/4) fine to coarse sand, some silt, 1" subangular gravel	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB19	
		Site: PPG - Jersey City, NJ			
Start Date: 11/17/2003		Project: Site Investigation		Page: 3 of 5	
		Coordinates: X-611466.56 Y-683797.84		Depth of Boring: 50.00	
End Date: 11/17/2003		Elevation: 14.87		Geologist:	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

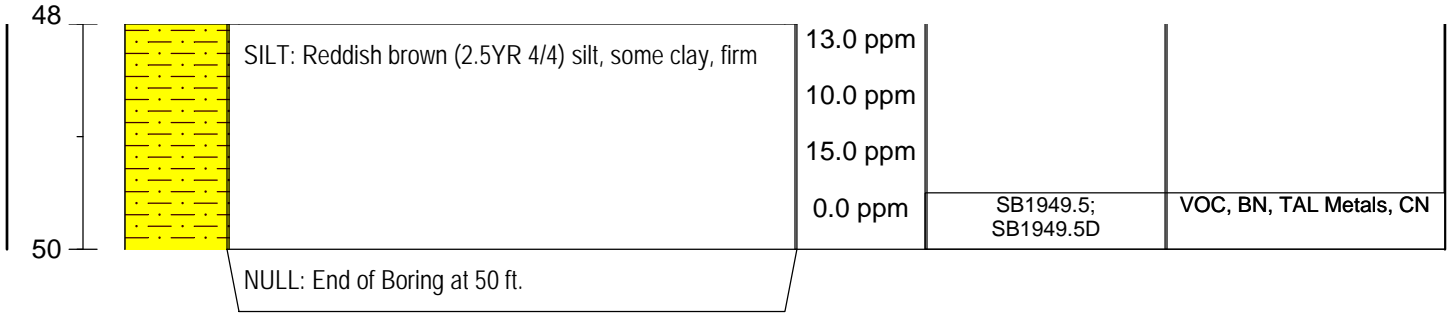
24		SILT: Reddish brown (2.5YR 4/4) silt, some fine sand, trace clay, firm	0.0 ppm		
			3.0 ppm		
			4.0 ppm		
			0.0 ppm		
			32.0 ppm		
			28.0 ppm		
			43.0 ppm		
			32.0 ppm		
			31.0 ppm		
			15.0 ppm		
			12.0 ppm		
			23.0 ppm		
26		SAND: Reddish brown (2.5YR 4/4) fine to coarse sand, trace silt, rounded to angular gravel up to 1	323.0 ppm	SB1929.0	VOC, BN, TAL Metals, CN
			203.0 ppm		
			133.0 ppm		
			0.0 ppm		
			30.0 ppm		
			15.0 ppm		
			0.0 ppm		
			0.0 ppm		
			30.0 ppm		
			25.0 ppm		
			0.0 ppm		
			0.0 ppm		
28		SAND: Reddish brown (2.5YR 4/4) fine sand, some silt, firm	323.0 ppm		
			203.0 ppm		
			133.0 ppm		
			0.0 ppm		
			30.0 ppm		
			15.0 ppm		
			0.0 ppm		
			0.0 ppm		
			30.0 ppm		
			25.0 ppm		
			0.0 ppm		
			0.0 ppm		
30		SAND: Reddish brown (2.5YR 4/4) fine sand, some silt, firm	323.0 ppm		
			203.0 ppm		
			133.0 ppm		
			0.0 ppm		
			30.0 ppm		
			15.0 ppm		
			0.0 ppm		
			0.0 ppm		
			30.0 ppm		
			25.0 ppm		
			0.0 ppm		
			0.0 ppm		
32		SAND: Reddish brown (2.5YR 4/4) fine sand, some silt, firm	323.0 ppm		
			203.0 ppm		
			133.0 ppm		
			0.0 ppm		
			30.0 ppm		
			15.0 ppm		
			0.0 ppm		
			0.0 ppm		
			30.0 ppm		
			25.0 ppm		
			0.0 ppm		
			0.0 ppm		
34		SAND: Reddish brown (2.5YR 4/4) fine sand, some silt, firm	323.0 ppm		
			203.0 ppm		
			133.0 ppm		
			0.0 ppm		
			30.0 ppm		
			15.0 ppm		
			0.0 ppm		
			0.0 ppm		
			30.0 ppm		
			25.0 ppm		
			0.0 ppm		
			0.0 ppm		
36		SAND: Reddish brown (2.5YR 4/4) fine sand, some silt, firm	323.0 ppm		
			203.0 ppm		
			133.0 ppm		
			0.0 ppm		
			30.0 ppm		
			15.0 ppm		
			0.0 ppm		
			0.0 ppm		
			30.0 ppm		
			25.0 ppm		
			0.0 ppm		
			0.0 ppm		

NOTES:

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB19		
		Site: PPG - Jersey City, NJ				
Start Date: 11/17/2003		Project: Site Investigation		Page: 5 of 5		
		Coordinates: X-611466.56 Y-683797.84		Depth of Boring: 50.00		
End Date: 11/17/2003		Elevation: 14.87		Geologist:		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters



NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	<div>BORING ID:</div> <div>SB2</div>		
		Site: PPG - Jersey City, NJ			
<div>Start Date:</div> <div>11/10/2003</div>		Project: Site Investigation	Page: 1 of 3		
		Coordinates: X-611213.75 Y-682945.5	Depth of Boring: 30.00		
<div>End Date:</div> <div>11/10/2003</div>		Elevation: 13.62	Geologist: A. Rymar		
		Drill Subcontractor: ADI	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		ASPHALT: Asphalt			
		FILL: Reddish Brown (5YR 3/4) Fine sand, AM	0.0 ppm		
			0.0 ppm	SB21.0	VOC, BN, TAL Metals, CN
2		FILL: Reddish Brown (5YR 5/3) fine to coarse sand, some gravel, <25% COPR	0.0 ppm		
			0.0 ppm		
		FILL: Reddish Brown (5YR 5/3) fine sand, AM	0.0 ppm		
4		NR: No Recovery			
		FILL: Gray (5YR 6/1) SAND (SM), fine to med sand, some silt, dissolved COPR	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
6			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
8			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
10			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
12			0.0 ppm		

NOTES:

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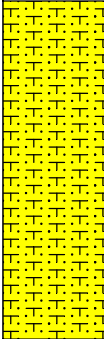


<div>ENSR AECOM</div>		Client: PPG			BORING ID: SB2		
		Site: PPG - Jersey City, NJ					
Start Date: 11/10/2003		Project: Site Investigation			Page: 2 of 3		
		Coordinates: X-611213.75 Y-682945.5			Depth of Boring: 30.00		
End Date: 11/10/2003		Elevation: 13.62			Geologist: A. Rymar		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

12		FILL: Reddish Yellow (7.5YR 6/6) SAND (SM), fine sand and silt, COPR	0.0 ppm		
		NR: No Recovery	18.0 ppm		
14		SAND: SAND (SW), fine to coarse sand, some gravel	60.0 ppm		
16		PEAT: Dark Brown (7.5YR 3/4) PEAT (PT), silt with clay and organic fibers	100.0 ppm	SB217.0	TAL Metals and Cr+6
			120.0 ppm		
18			140.0 ppm		
			160.0 ppm		
20		SAND: Greenish black (GLE2 5/1) SAND (SM), fine sand, some silt	100.0 ppm	SB219.0	VOC, BN, TAL Metals, CN
			10.0 ppm		
22		SAND: Dark Red (2.5YR 3/6) SAND (SW), fine to coarse sand, up to 1" angular to subangular gravel	0.0 ppm		
			0.0 ppm		
24			0.0 ppm		
			0.0 ppm		

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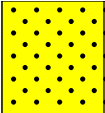
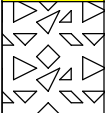
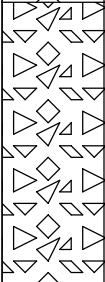
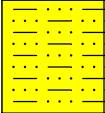
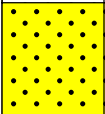
<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB20		
		Site: PPG - Jersey City, NJ				
Start Date: 11/14/2003		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-611544.81 Y-683717.14		Depth of Boring: 30.00		
End Date: 11/14/2003		Elevation: 16.59		Geologist:		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		ASPHALT: Asphalt			
		FILL: Dark Reddish brown (5YR 3/4) fine sand with silt, brick, gravel, 100% COPR	0.0 ppm	SB200.5	SVOC, TAL Metals, CN
			0.0 ppm	SB201.0	VOC
		NR: No Recovery	0.0 ppm		
2		CONCRETE: Building Foundation			
4					
6		SILTY SAND: Dark Reddish brown (5YR 3/4) fine sand with silt	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
		SAND: Dark red (2.5YR 3/6) fine sand, trace silt, 100% COPR	0.0 ppm		
10		NR: No Recovery	0.0 ppm		
		FILL: Black fine sand, wook, organic debris, coal, clinker material	2.5 ppm		
		NR: No Recovery			
12					

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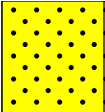
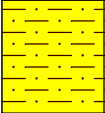
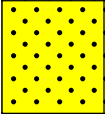
<div>ENSR AECOM</div>		Client: PPG			BORING ID: SB20		
		Site: PPG - Jersey City, NJ					
Start Date: 11/14/2003		Project: Site Investigation			Page: 2 of 3		
		Coordinates: X-611544.81 Y-683717.14			Depth of Boring: 30.00		
End Date: 11/14/2003		Elevation: 16.59			Geologist:		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

12		SAND: Reddish brown (2.5YR 4/4) medium to coarse sand, 50% COPR	0.0 ppm		
			0.0 ppm		
14		FILL: Coal and clinker material	0.0 ppm		
			0.0 ppm		
16		FILL: Coal, clinker material, gravel, oil material	3.0 ppm		
			30.0 ppm		
18		SILT AND CLAY: Silt with clay, organic fibers, with oil material 6" into peat	24.0 ppm		
			6.0 ppm		
20		NR: No Recovery	0.0 ppm		
			0.0 ppm		
22		SANDY SILT: Dark greenish gray (GLE Y 2 4/1) silt with fine sand, trace organic fibers (not peat)	0.0 ppm	SB2022.0	VOC, BN, TAL Metals, CN
			0.0 ppm		
24		NR: No Recovery	0.0 ppm		
			0.0 ppm		

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB20		
		Site: PPG - Jersey City, NJ				
Start Date: 11/14/2003		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611544.81 Y-683717.14		Depth of Boring: 30.00		
End Date: 11/14/2003		Elevation: 16.59		Geologist:		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

24		SAND: Dark reddish brown fine to coarse sand, trace silt, 1"" pieces of angular and subangular gravel	0.0 ppm	SB2024.0	TAL Metals, Cr+6
		NR: No Recovery	0.0 ppm		
26		SILT: Dark reddish brown (2.5YR 3/4) silt, some fine sand, trace clay, firm	0.0 ppm		
		NR: No Recovery			
28		SAND: Dark reddish brown (2.5YR 3/4) fine to coarse sand, trace silt, rounded to angular gravel up to 1	0.0 ppm		
		NR: No Recovery			
30	<div> <div>NULL: End of Boring at 30 ft.</div> </div>				

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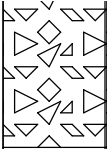
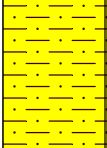
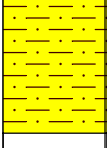
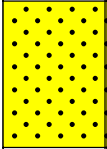
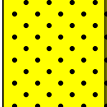
<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	<div>BORING ID:</div> <div>SB21</div>		
		Site: PPG - Jersey City, NJ			
<div>Start Date:</div> <div>11/19/2003</div>		Project: Site Investigation	Page: 1 of 3		
		Coordinates: X-611476.01 Y-683670.71	Depth of Boring: 29.00		
<div>End Date:</div> <div>11/19/2003</div>		Elevation: 24.84	Geologist:		
		Drill Subcontractor: ADI	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete			
2		FILL: Dark reddish brown (5YR 3/4) fine sand, trace silt, 100% COPR, precipitate is plastic, bright green in color		SB211.5	VOC, BN, TAL Metals, CN
4					
6					
8					
10					
12		FILL: Wood, organic debris, coal, clinker-like material, ash material			

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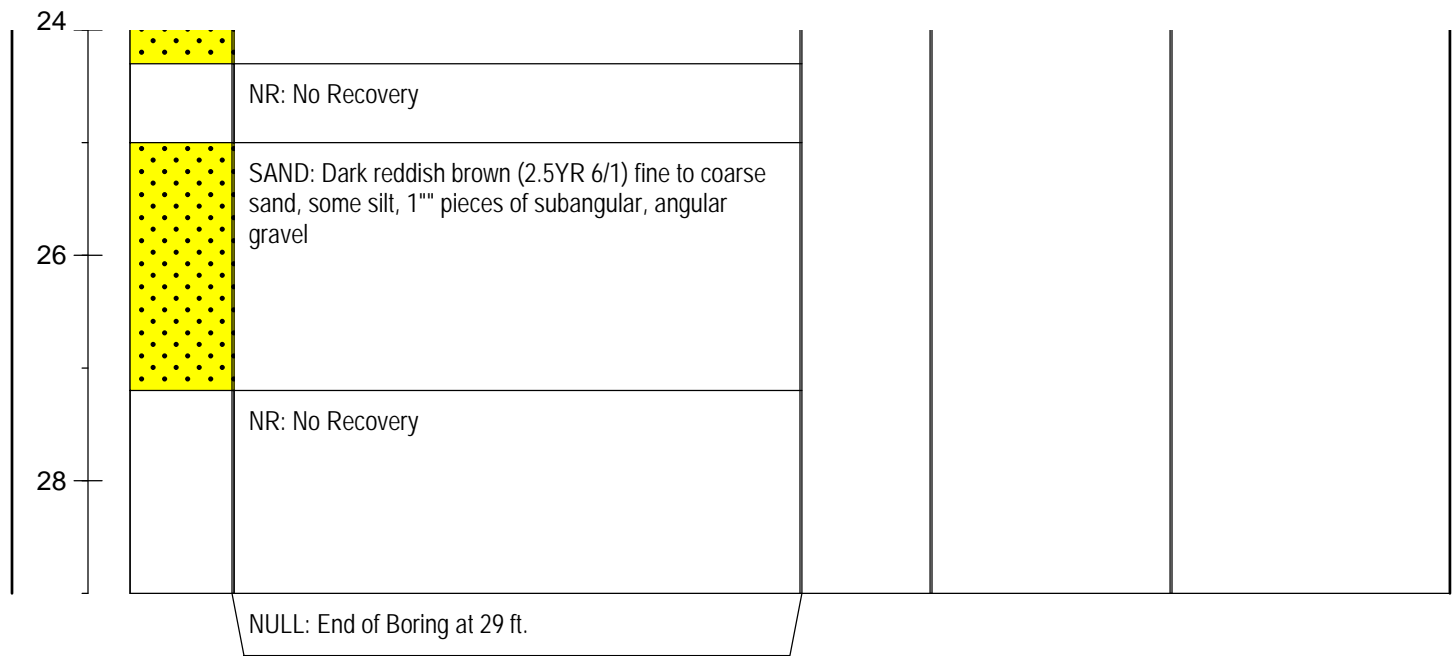
<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB21	
		Site: PPG - Jersey City, NJ			
Start Date: 11/19/2003		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611476.01 Y-683670.71		Depth of Boring: 29.00	
End Date: 11/19/2003		Elevation: 24.84		Geologist:	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12					
14		NR: No Recovery			
16					
18		SILT: Reddish yellow silt, trace clay, peat, trace oil material			
20		SILT: Dark greenish gray (GLEY 2 4/1) silt, trace sand, organic fibers			
		NR: No Recovery			
22		SAND: Reddish gray (2.5YR 6/1) fine sand, trace silt, some yellow/brown staining similar to metal oxides		SB2121.0	VOC, BN, TAL Metals, CN
		NR: No Recovery			
24		SAND: Dark reddish brown (2.5YR 6/1) fine to coarse sand, some silt, 1"" pieces of subangular, angular gravel			

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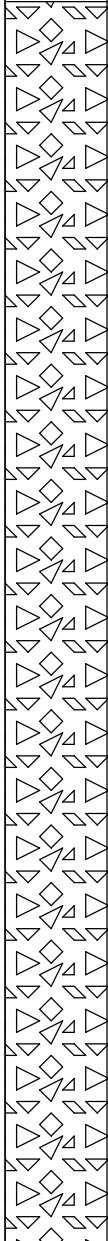
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		Site: PPG - Jersey City, NJ			
Start Date: 11/19/2003		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611476.01 Y-683670.71		Depth of Boring: 29.00	
End Date: 11/19/2003		Elevation: 24.84		Geologist:	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB22	
		Site: PPG - Jersey City, NJ			
Start Date: 11/18/2003		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611401.55 Y-683745.53		Depth of Boring: 26.00	
End Date: 11/18/2003		Elevation: 16.98		Geologist:	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete foundation			
		FILL: Dark reddish brown (5YR 4/3) 100% COPR with silt	0.0 ppm	SB221.0	VOC, BN, TAL Metals, CN
2			0.0 ppm		
4			0.0 ppm		
			0.0 ppm	SB224.5	VOC, BN, TAL Metals, CN
			0.0 ppm		
6			0.0 ppm		
			0.0 ppm		
8			0.0 ppm		
			0.0 ppm		
10					
12					

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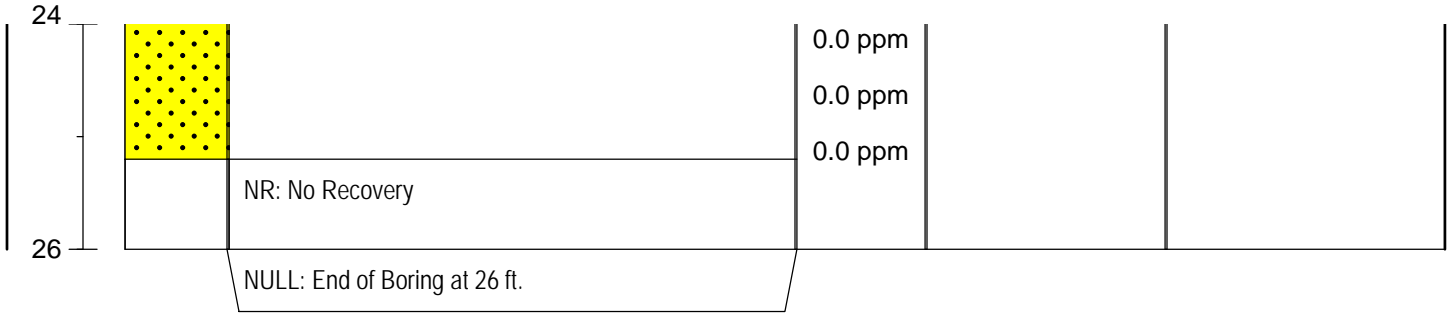
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		Site: PPG - Jersey City, NJ				
Start Date: 11/18/2003		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611401.55 Y-683745.53		Depth of Boring: 26.00		
End Date: 11/18/2003		Elevation: 16.98		Geologist:		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		SILT: Dark reddish brown (5YR 4/3) silt, trace fine sand, black organic debris, ash material, clinker material	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
14		FILL: (2.5YR 3/1) fine sand and silt, black organic debris, ash material, clinker material	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
16		CLAYEY SILT: Reddish yellow clayey silt, peat	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
18		SILT: Dark greenish gray (GLEY 2 4/1) silt, trace sand, organic fibers	0.0 ppm	SB2218.0	TAL Metals, Cr+6
			0.0 ppm		
			0.0 ppm		
20		SAND: Reddish gray (2.5YR 6/1) fine sand, trace silt, some yellow/brown staining similar to metal oxides	0.0 ppm	SB2220.0	VOC, BN, TAL Metals, CN
			0.0 ppm		
			0.0 ppm		
22		SAND: Dark reddish brown fine to coarse sand, trace silt, 1""pieces of angular and subangular gravel	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
24					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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		Client: PPG		BORING ID: SB22	
		Site: PPG - Jersey City, NJ			
Start Date: 11/18/2003		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611401.55 Y-683745.53		Depth of Boring: 26.00	
End Date: 11/18/2003		Elevation: 16.98		Geologist:	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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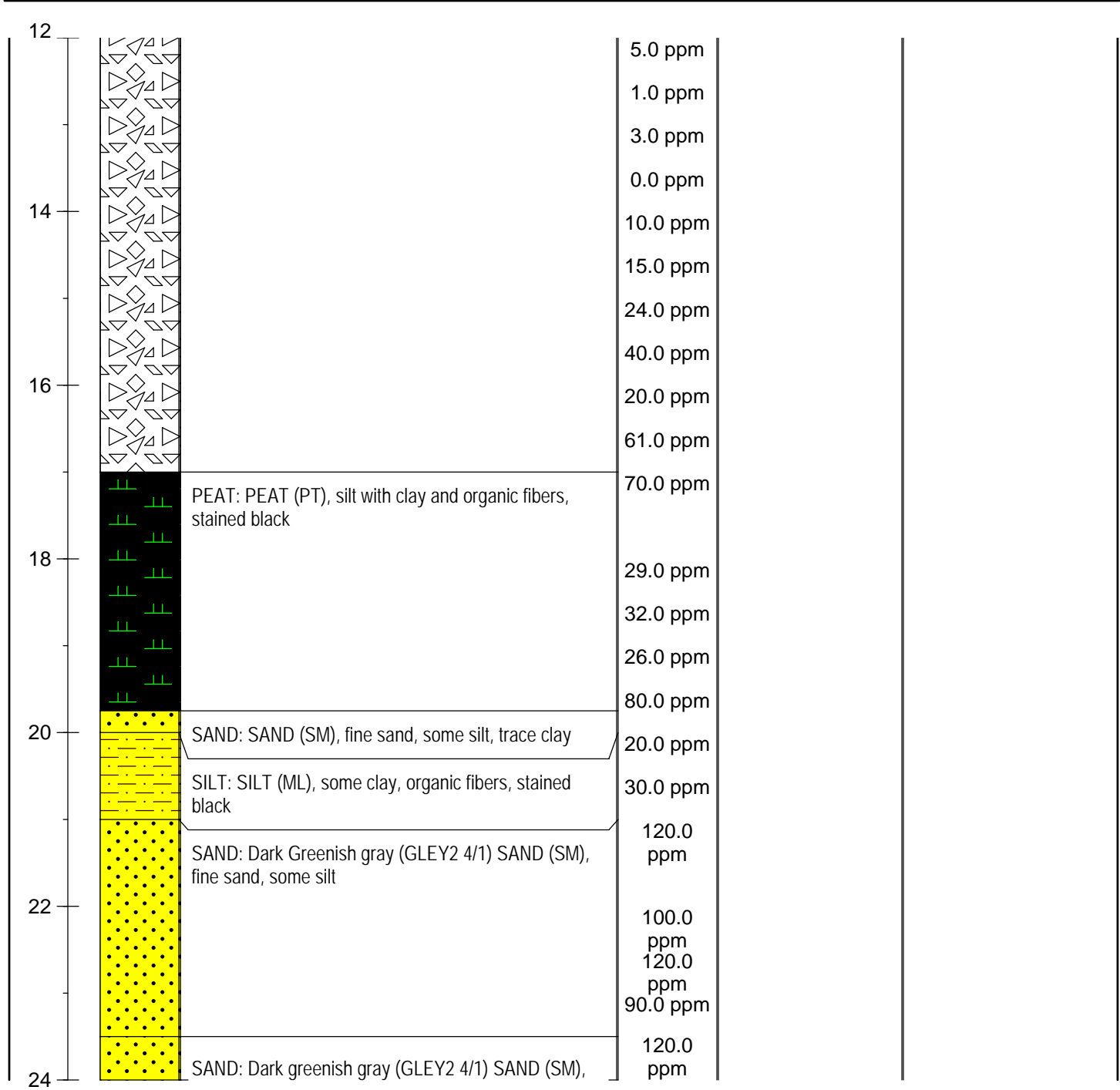
<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: SB3		
		Site: PPG - Jersey City, NJ			
Start Date: 11/12/2003		Project: Site Investigation	Page: 1 of 3		
		Coordinates: X-611296.4 Y-683061.22	Depth of Boring: 29.00		
End Date: 11/12/2003		Elevation: 15.34	Geologist: A. Rymar		
		Drill Subcontractor: ADI	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		NR: No Recovery	0.0 ppm		
2		FILL: Gray (5YR 6/1) fine sand, some silt, yellow and green COPPR	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
4		FILL: Dark reddish brown (5YR 3/4) fine sand, trace silt, bright green COPR precipitate, COPR nodules	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
6			0.0 ppm		
			0.0 ppm		
8		FILL: Gray (5YR 6/1) SAND (SM), fine sand, little silt, yellow and brown staining	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
10			0.0 ppm		
			0.0 ppm		
12			0.0 ppm		

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB3		
		Site: PPG - Jersey City, NJ				
Start Date: 11/12/2003		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611296.4 Y-683061.22		Depth of Boring: 29.00		
End Date: 11/12/2003		Elevation: 15.34		Geologist: A. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters



NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB4		
		Site: PPG - Jersey City, NJ				
Start Date: 11/11/2003		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-611190.16 Y-683215.64		Depth of Boring: 28.00		
End Date: 11/11/2003		Elevation: 14.42		Geologist: A. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		FILL: Foundation material, rebar, sheet metal				
2		FILL: Reddish gray (5YR 5/2) fine sand, some silt, wood, gravel	0.0 ppm	SB42.0	VOC, BN, TAL Metals, CN	
			0.0 ppm			
			0.0 ppm			
			0.0 ppm			
4			FILL: Reddish brown (5YR 4/4) fine to coarse sand, some silt, green COPR precipitant	0.0 ppm		
				0.0 ppm		
				0.0 ppm		
				0.0 ppm		
				0.0 ppm		
	0.0 ppm					
	0.0 ppm					
	0.0 ppm					
	0.0 ppm					
	0.0 ppm					
6						
				</		

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB4		
		Site: PPG - Jersey City, NJ				
Start Date: 11/11/2003		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611190.16 Y-683215.64		Depth of Boring: 28.00		
End Date: 11/11/2003		Elevation: 14.42		Geologist: A. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

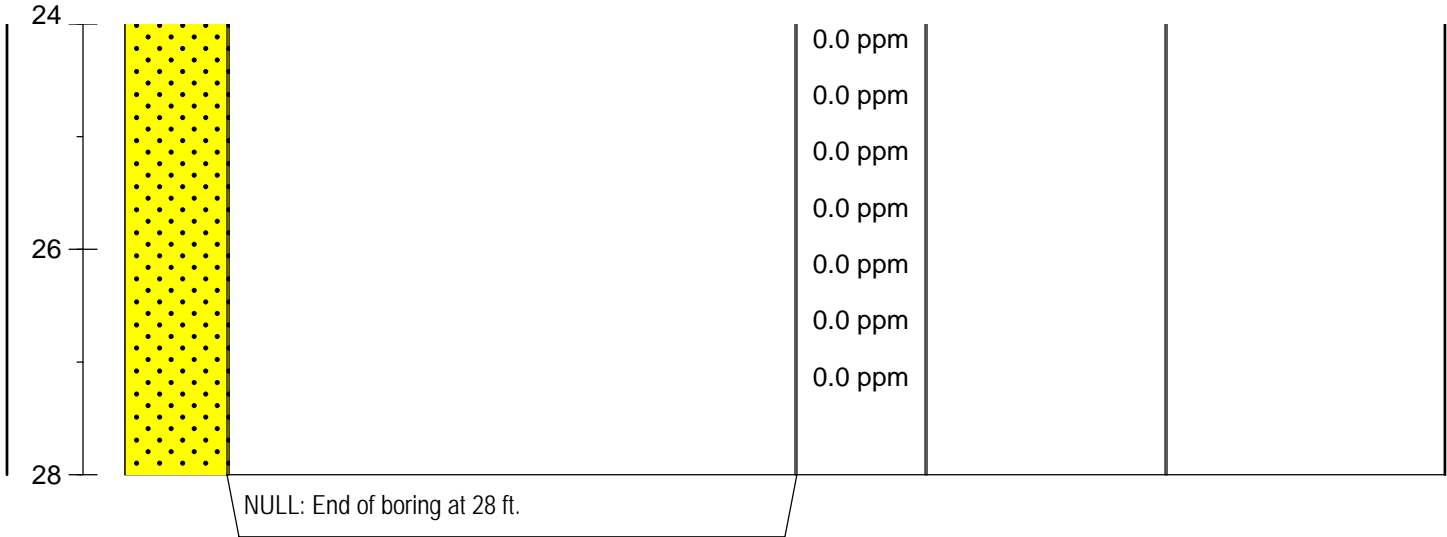
12			96.0 ppm		
			32.0 ppm		
14			20.0 ppm	SB414.0	TAL Metals and Cr+6
			43.0 ppm		
			44.0 ppm		
16			44.0 ppm		
			16.0 ppm		
			8.0 ppm		
18			8.0 ppm		
			6.0 ppm		
			4.0 ppm		
20	<div> <div>SILT: Dark Greenish gray (GLEY2 4/1) SILT (ML) with clay, some organic fibers</div> <div>SAND: Dark Reddish brown (2.5YR 3/4) SAND (SW), fine sand with 1"" pieces of gravel</div> <div>SAND: Dark Reddish brown (5YR 3/4) SAND (SP), fine to med sand, trace silt, tight</div> </div>		0.0 ppm		
			0.0 ppm		
			0.0 ppm		
22			0.0 ppm	SB422.0	VOC, BN, TAL Metals, CN
			0.0 ppm		
			0.0 ppm		
24					

NOTES:

Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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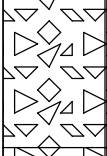
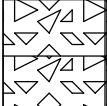
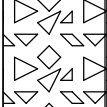
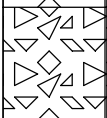
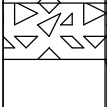
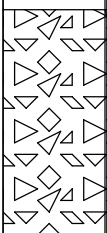
<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB4	
		Site: PPG - Jersey City, NJ			
Start Date: 11/11/2003		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611190.16 Y-683215.64		Depth of Boring: 28.00	
End Date: 11/11/2003		Elevation: 14.42		Geologist: A. Rymar	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB5		
		Site: PPG - Jersey City, NJ				
Start Date: 11/11/2003		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-611202.62 Y-683381.52		Depth of Boring: 30.00		
End Date: 11/11/2003		Elevation: 14.11		Geologist: A. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		ASPHALT: Asphalt and concrete			
		FILL: Reddish brown (5YR 4/3) silt, some fine sand, COPR	0.0 ppm		
			0.0 ppm	SB51.0	VOC, BN, TAL Metals, CN
			0.0 ppm		
2		FILL: Dark Reddish Brown (5YR 3/3) fine to coarse sand, gravel up to 1/4", glass, brick, 1/8" nodules of COPR and green COPR precipitant	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
4		NR: No Recovery	0.0 ppm		
		FILL: Yellowish Red (5YR 5/8) fine to coarse sand, COPR nodules	0.0 ppm		
			0.0 ppm		
		FILL: Yellow (2.5Y 8/8) fine to coarse sand, trace silt, COPR nodules, glass, CM			
6			0.0 ppm		
			0.0 ppm		
		FILL: (5YR 5/2) fine to coarse sand, some silt with (5YR 6/1) COPR precip, tight	0.0 ppm		
8			0.0 ppm		
		FILL: (5YR 5/8) fine to coarse sand, some silt with yellow (2.5Y 8/2) COPR	0.0 ppm		
10					
		NR: No Recovery	0.0 ppm		
		FILL: (5YR 7/1) fine to coarse sand, some silt with yellow (2.5Y 8/2) COPR	0.0 ppm		
			0.0 ppm		
12					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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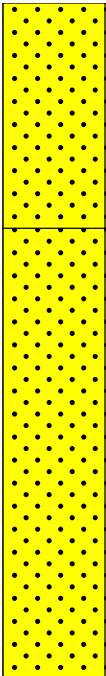
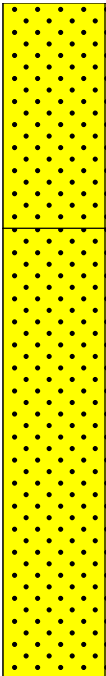
<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB5		
		Site: PPG - Jersey City, NJ				
Start Date: 11/11/2003		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611202.62 Y-683381.52		Depth of Boring: 30.00		
End Date: 11/11/2003		Elevation: 14.11		Geologist: A. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Red (2.5YR 3/2) fine to coarse sand, gravel, CM	0.0 ppm		
			0.0 ppm		
14		FILL: Light gray (5YR 7/1) SAND (SM), fine sand with some silt, yellow COPR	0.0 ppm		
			0.0 ppm		
			3.0 ppm		
			24.0 ppm		
16		PEAT: Dark Brown (7.5YR 3/4) PEAT (PT), silt with clay and organic fibers	32.0 ppm		
			9.0 ppm		
			9.0 ppm		
			1.0 ppm		
			3.0 ppm		
			1.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
20		SAND: Dark greenish gray (GLE2 4/1) SAND (SM), fine sand, some silt and yellow (2.5Y 8/2) COPR	0.0 ppm	SB520.0	VOC, BN, TAL Metals, CN
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
22		SAND: Light red (2.5YR 7/6) SAND (SW), fine to coarse sand, up to 1" angular to sub angular gravel	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
24		NR: No Recovery	0.0 ppm		
			0.0 ppm		
			0.0 ppm		

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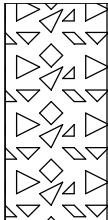
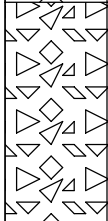
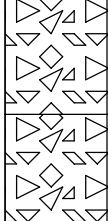
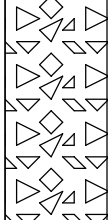
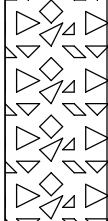
<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: SB5		
		Site: PPG - Jersey City, NJ			
Start Date: 11/11/2003	Project: Site Investigation		Page: 3 of 3		
	Coordinates: X-611202.62 Y-683381.52		Depth of Boring: 30.00		
End Date: 11/11/2003	Elevation: 14.11		Geologist: A. Rymar		
	Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

24		SAND: Dark red (2.5YR 3/6) SAND (SP), fine sand, some silt, 1/2" rounded gravel	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
26		SAND: Dark red (2.5YR 3/6) SAND (SM), fine sand, some silt, tight	0.0 ppm		
			0.0 ppm		
28			0.0 ppm		
			0.0 ppm		
30	NULL: End of boring at 30 ft.				

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: SB6		
		Site: PPG - Jersey City, NJ			
Start Date: 11/12/2003	Project: Site Investigation		Page: 1 of 3		
	Coordinates: X-611457.57 Y-683359.66		Depth of Boring: 28.00		
End Date: 11/12/2003	Elevation: 12.97		Geologist: A. Rymar		
	Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



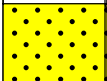


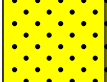
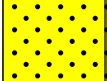

0		FILL: Concrete, asphalt, crushed stone	0.0 ppm			
2		FILL: Dark reddish brown (5YR 3/3) fine to coarse sand, COPR, brick, coal, gravel	0.0 ppm			
	0.0 ppm					
4			0.0 ppm			
			0.0 ppm			
6	FILL: CM, coal, brick, AM	0.0 ppm				
				0.0 ppm		
				0.0 ppm		
8				0.0 ppm		
				0.0 ppm		
10				0.0 ppm		
				2.5 ppm		
12						

NOTES:

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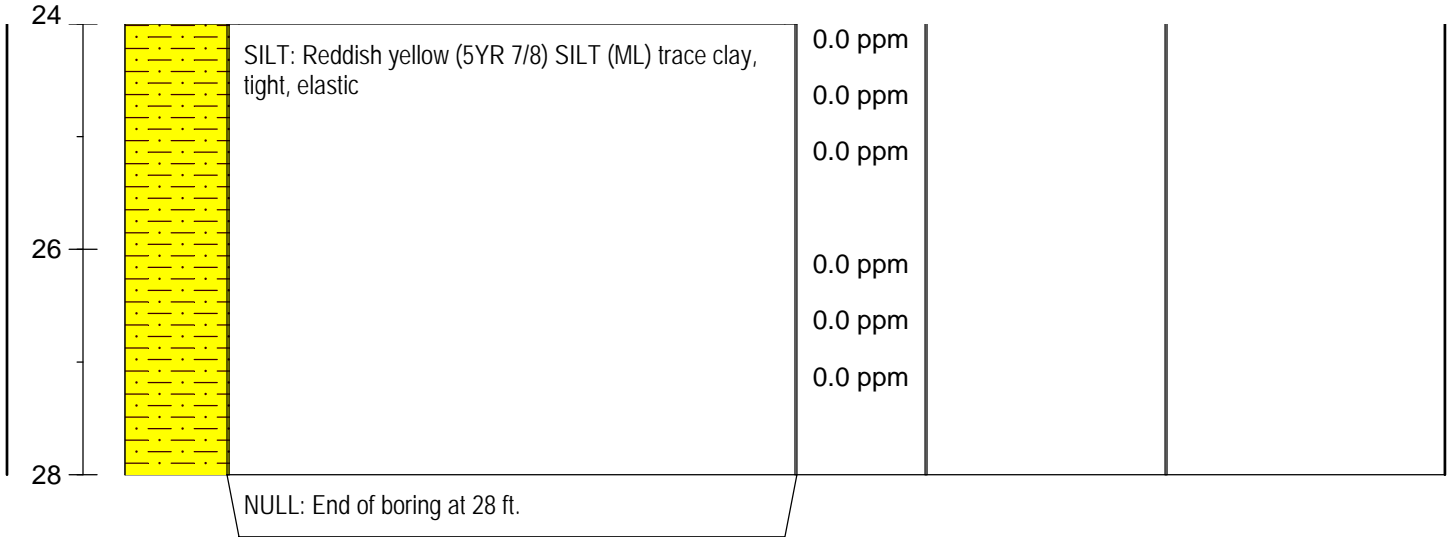
<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB6		
		Site: PPG - Jersey City, NJ				
Start Date: 11/12/2003		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611457.57 Y-683359.66		Depth of Boring: 28.00		
End Date: 11/12/2003		Elevation: 12.97		Geologist: A. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		PEAT: PEAT (PT), silt with clay and organic fibers, stained black	3.0 ppm		
			109.0 ppm 120.0 ppm		
14		SAND: Dark Greenish Gray (GLEY2 4/1) SAND (SM), fine sand, some silt, green and yellow COPR precip	90.0 ppm	SB614.0	TAL Metals and Cr+6
			40.0 ppm		
16		NR: No Recovery SAND: fine to coarse sand, some silt, angular to subangular gravel up to 1", green and yellow COPR precip	35.0 ppm		
			31.0 ppm		
18		SAND: fine to coarse sand, some silt, angular to subangular gravel up to 1", orange iron/metal oxidation spots	20.0 ppm		
			15.0 ppm		
20		SAND: fine to coarse sand, some silt, angular to subangular gravel up to 1", orange iron/metal oxidation spots	15.0 ppm		
			20.0 ppm		
22		SAND: Reddish brown (5YR 4/4) fine to coarse sand, trace silt, yellow and orange iron/metal oxidation spots	10.0 ppm		
			0.0 ppm		
		SAND: Reddish brown (5YR 4/4) fine to coarse sand, trace silt, yellow and orange iron/metal oxidation spots	0.0 ppm	SB622.5	VOC, BN, TAL Metals, CN
			0.0 ppm		
24		SAND: Reddish brown (5YR 4/4) fine to coarse sand, trace silt, yellow and orange iron/metal oxidation spots	0.0 ppm		

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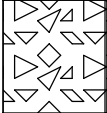

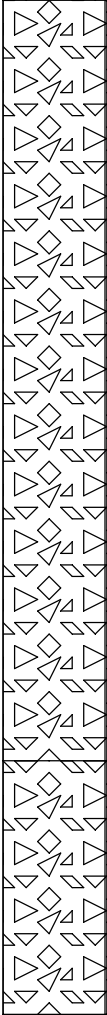
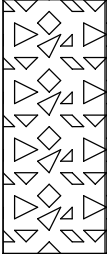
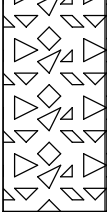
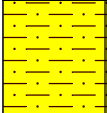
<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB6		
		Site: PPG - Jersey City, NJ				
Start Date: 11/12/2003		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611457.57 Y-683359.66		Depth of Boring: 28.00		
End Date: 11/12/2003		Elevation: 12.97		Geologist: A. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters



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<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB7		
		Site: PPG - Jersey City, NJ				
Start Date: 11/13/2003		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-611562.08 Y-683261.08		Depth of Boring: 30.00		
End Date: 11/13/2003		Elevation: 13.67		Geologist: J. Bacchus		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		FILL: Wood chips	0.0 ppm		
			0.0 ppm		
		FILL: Reddish black (2.5YR 2.5/1) fine to med sand, some silt, trace fine gravel, brick, ceramics, ash	0.0 ppm		
			0.0 ppm		
		NR: No Recovery	0.0 ppm		
2		FILL: Dark reddish gray (2.5YR 4/1) fine to coarse sand, COPR, CM, fine to coarse gravel, ash, brick, wood from 2.25 - 2.5'	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			15.7 ppm		
			40.0 ppm		
			57.0 ppm		
			112.0 ppm		
			74.0 ppm		
			88.0 ppm		
			61.0 ppm		
		FILL: Very Dark Brown (7.5YR 2.5/2) SILT (ML), some fine sand	19.0 ppm		
10			40.0 ppm		
			31.0 ppm		
		SILT: Weak red (2.5YR 4/2) SILT(ML), some fine sand and clay	15.0 ppm		
			4.0 ppm		
12					

NOTES:

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB7		
		Site: PPG - Jersey City, NJ				
Start Date: 11/13/2003		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611562.08 Y-683261.08		Depth of Boring: 30.00		
End Date: 11/13/2003		Elevation: 13.67		Geologist: J. Bacchus		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

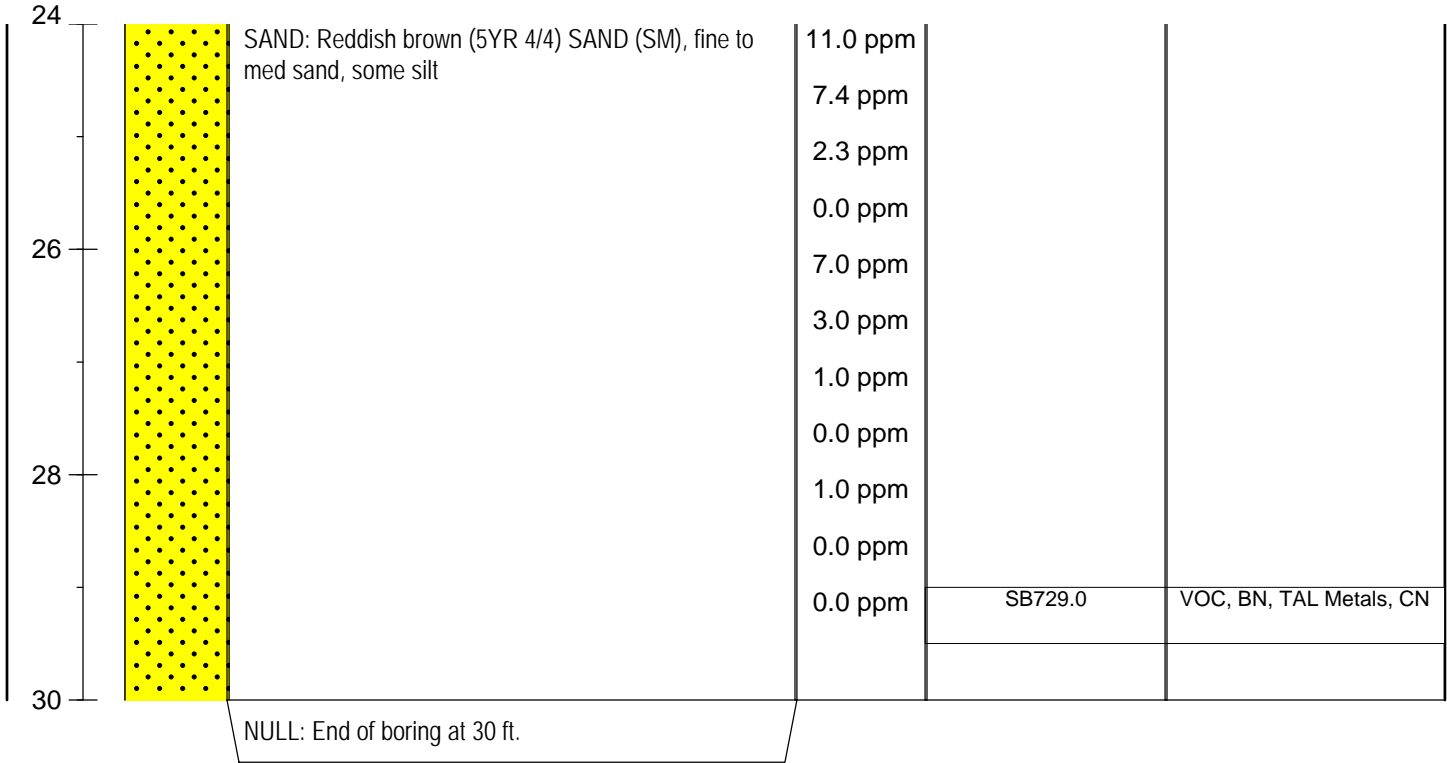
12			83.0 ppm		
			118.0 ppm		
			72.0 ppm		
14			193.0 ppm		
			76.0 ppm		
		SAND: (7.5YR 3/3) SAND (SW), fine to coarse sand, some fine gravel	61.0 ppm		
16			386.0 ppm		
			191.0 ppm		
			68.0 ppm		
			73.0 ppm		
18			91.0 ppm		
		SAND: (7.5YR 3/3) SAND (SW), fine to coarse sand, trace fine to coarse gravel	57.0 ppm		
			220.0 ppm		
			15.0 ppm		
20			30.0 ppm		
		SAND: Reddish brown (5YR 4/4) SAND (SW), fine to coarse sand, some fine gravel	35.0 ppm		
			45.0 ppm		
			69.0 ppm		
22			48.0 ppm		
			113.0 ppm		
			37.0 ppm		
			7.0 ppm		
24					

NOTES:

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	<div> <div>BORING ID:</div> <div>SB7</div> </div>		
		Site: PPG - Jersey City, NJ			
<div> <div>Start Date:</div> <div>11/13/2003</div> </div>		Project: Site Investigation	Page: 3 of 3		
		Coordinates: X-611562.08 Y-683261.08	Depth of Boring: 30.00		
<div> <div>End Date:</div> <div>11/13/2003</div> </div>		Elevation: 13.67	Geologist: J. Bacchus		
		Drill Subcontractor: ADI	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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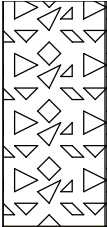
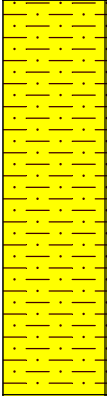
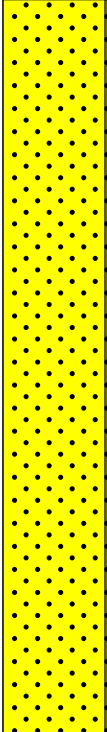
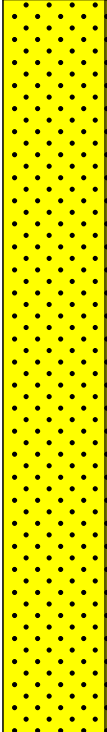
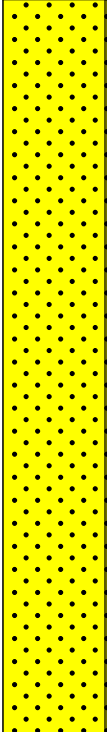
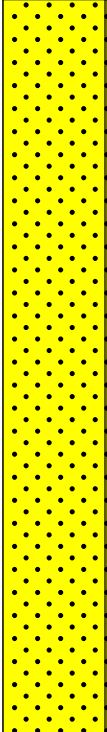
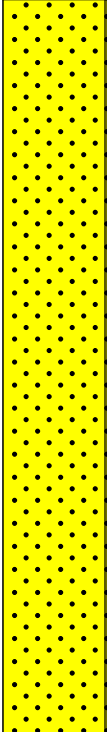
<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB8	
		Site: PPG - Jersey City, NJ			
Start Date: 11/13/2003		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611652.82 Y-683202.98		Depth of Boring: 30.00	
End Date: 11/13/2003		Elevation: 15.38		Geologist: A. Rymar	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: Dark reddish brown (5YR 3/4) SILT (ML), silt, some sand and COPR	0.0 ppm		
2		FILL: Reddish brown (5YR 4/4) SAND (SM), fine to coarse sand, some silt, COPR	0.0 ppm 0.0 ppm 0.0 ppm		
4			0.0 ppm		
6		FILL: Yellowish red (5YR 5/6) SILT (ML), silt, little sand, green COPR, tight	0.0 ppm 0.0 ppm		
8			0.0 ppm		
10		NR: No Recovery			
12					

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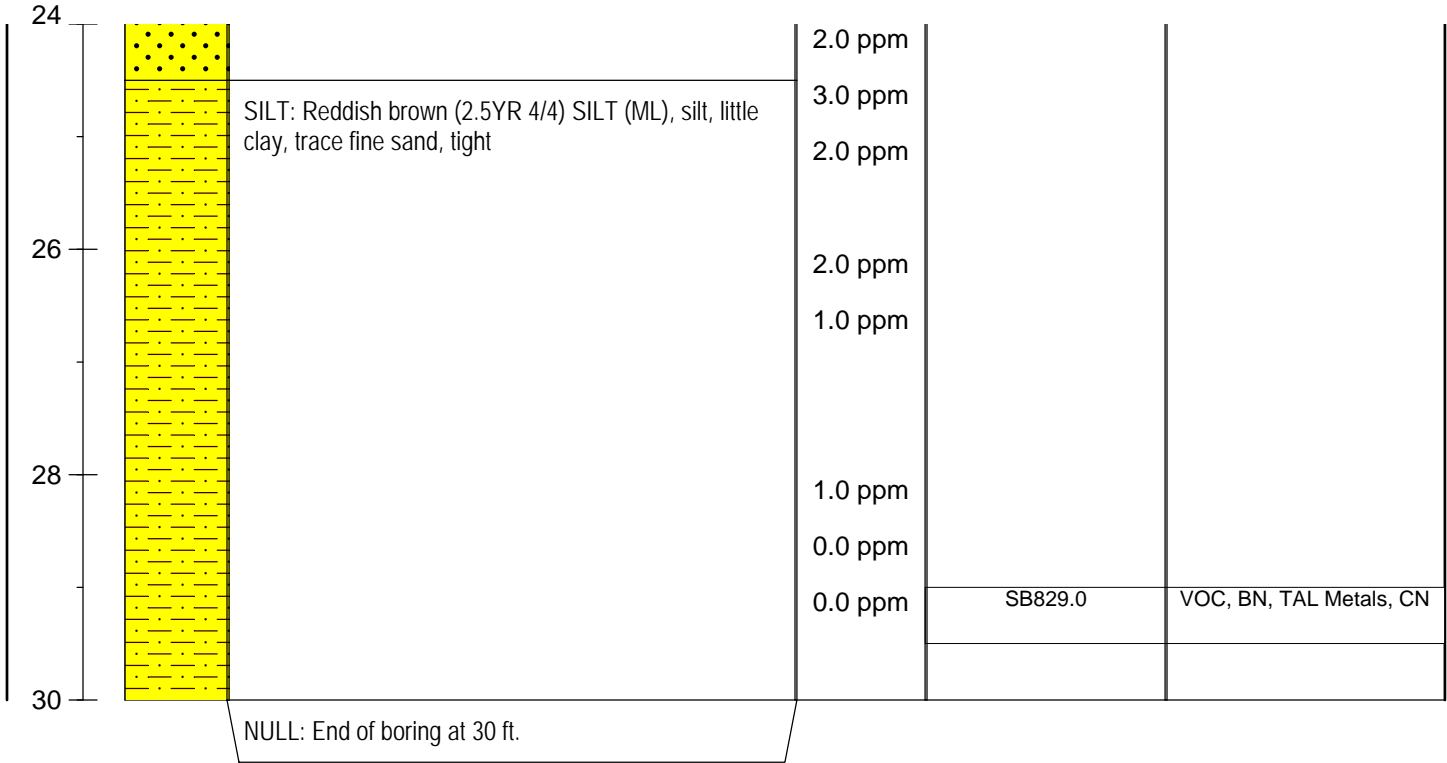
<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB8		
		Site: PPG - Jersey City, NJ				
Start Date: 11/13/2003		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611652.82 Y-683202.98		Depth of Boring: 30.00		
End Date: 11/13/2003		Elevation: 15.38		Geologist: A. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Dark reddish brown (5YR 3/2) fine sand, coal, ash, CM, gravel up to 1/2	0.0 ppm		
14			0.0 ppm		
			0.0 ppm		
		SILT: Reddish Yellow (7.5YR 6/6) SILT (ML), some clay, trace organic fibers	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
16		SAND: Reddish brown (2.5YR 4/4) SAND (SW), fint to coarse sand, some silt, gravel up to 1''' , green and yellow COPR precip	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
18		SAND: Reddish brown (2.5YR 4/4) SAND (SW), fint to coarse sand, some silt, gravel up to 1''' , green and yellow COPR precip	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
20		SAND: Reddish brown (2.5YR 4/4) SAND (SW), fint to coarse sand, some silt, gravel up to 1''' , green and yellow COPR precip	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
22		SAND: Reddish brown (2.5YR 4/4) SAND (SW), fint to coarse sand, some silt, gravel up to 1''' , green and yellow COPR precip	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
24		SAND: Reddish brown (2.5YR 4/4) SAND (SW), fint to coarse sand, some silt, gravel up to 1''' , green and yellow COPR precip	0.0 ppm		
			0.0 ppm		
			0.0 ppm		

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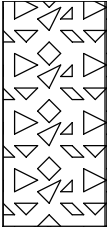
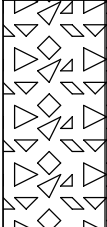
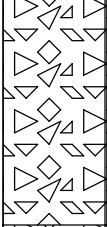
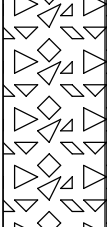
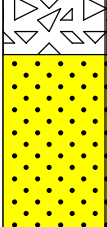
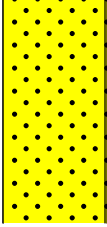
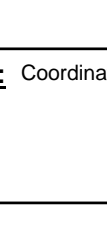
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		Site: PPG - Jersey City, NJ			
<div>Start Date:</div> <div>11/13/2003</div>		Project: Site Investigation	Page: 3 of 3		
		Coordinates: X-611652.82 Y-683202.98	Depth of Boring: 30.00		
<div>End Date:</div> <div>11/13/2003</div>		Elevation: 15.38	Geologist: A. Rymar		
		Drill Subcontractor: ADI	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB9	
		Site: PPG - Jersey City, NJ			
Start Date: 11/14/2003		Project: Site Investigation		Page: 1 of 5	
		Coordinates: X-611684.65 Y-683228.94		Depth of Boring: 52.00	
End Date: 11/14/2003		Elevation: 16.33		Geologist: A. Rymar	
		Drill Subcontractor: ADI		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: Red (2.5YR 5/8) fine sand, trace silt, brick, subangular gravel up to 1	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
2		FILL: Red (2.5YR 5/8) fine sand, trace silt, brick, coal, gravel	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
4			0.0 ppm		
6		FILL: Strong brown (7.5YR 5/8) SAND (SM), fine sand, some silt	0.0 ppm		
			0.0 ppm		
8			30.0 ppm		
10		SAND: Dark reddish Brown (2.5YR 3/4) SAND (SW), fine sand, some silt and gravel	90.0 ppm		
12			109.0 ppm		
			120.0 ppm		

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB9		
		Site: PPG - Jersey City, NJ				
Start Date: 11/14/2003		Project: Site Investigation		Page: 2 of 5		
		Coordinates: X-611684.65 Y-683228.94		Depth of Boring: 52.00		
End Date: 11/14/2003		Elevation: 16.33		Geologist: A. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

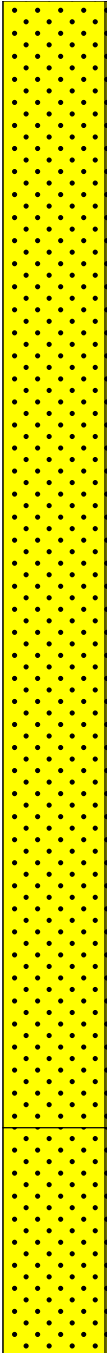
12			100.0 ppm 60.0 ppm 90.0 ppm		
14		SAND: Dark reddish Brown (2.5YR 3/4) SAND (SW), fine sand, some silt	30.0 ppm 15.0 ppm		
16			15.0 ppm		
18		SILT: Reddish brown (2.5YR 4/4) SILT (ML) silt, some fine sand	3.0 ppm 2.0 ppm 2.0 ppm		
20		NR: No Recovery			
22		SILT: Reddish Brown (2.5YR 4/4) SILT (ML) silt, some fine sand, little clay, tight	2.0 ppm 3.0 ppm		
24					

NOTES:

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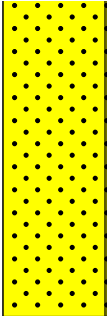
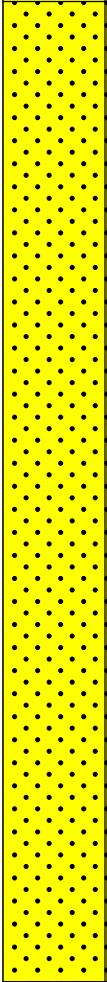
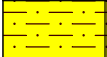
<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB9		
		Site: PPG - Jersey City, NJ				
Start Date: 11/14/2003		Project: Site Investigation		Page: 3 of 5		
		Coordinates: X-611684.65 Y-683228.94		Depth of Boring: 52.00		
End Date: 11/14/2003		Elevation: 16.33		Geologist: A. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

24		SAND: Reddish brown (2.5YR 4/4) SAND (SM), fine sand some silt	0.0 ppm		
			3.0 ppm		
			4.0 ppm		
26			32.0 ppm		
			28.0 ppm		
			43.0 ppm		
			32.0 ppm		
28			31.0 ppm		
			15.0 ppm		
			12.0 ppm	SB929.0	VOC, BN, TAL Metals, CN
			23.0 ppm		
30			323.0 ppm		
			203.0 ppm		
			133.0 ppm		
32			30.0 ppm		
			15.0 ppm		
34		SAND: Reddish brown (2.5YR 4/4) SAND (SM), fine to coarse sand, some silt	30.0 ppm		
			25.0 ppm		
36					

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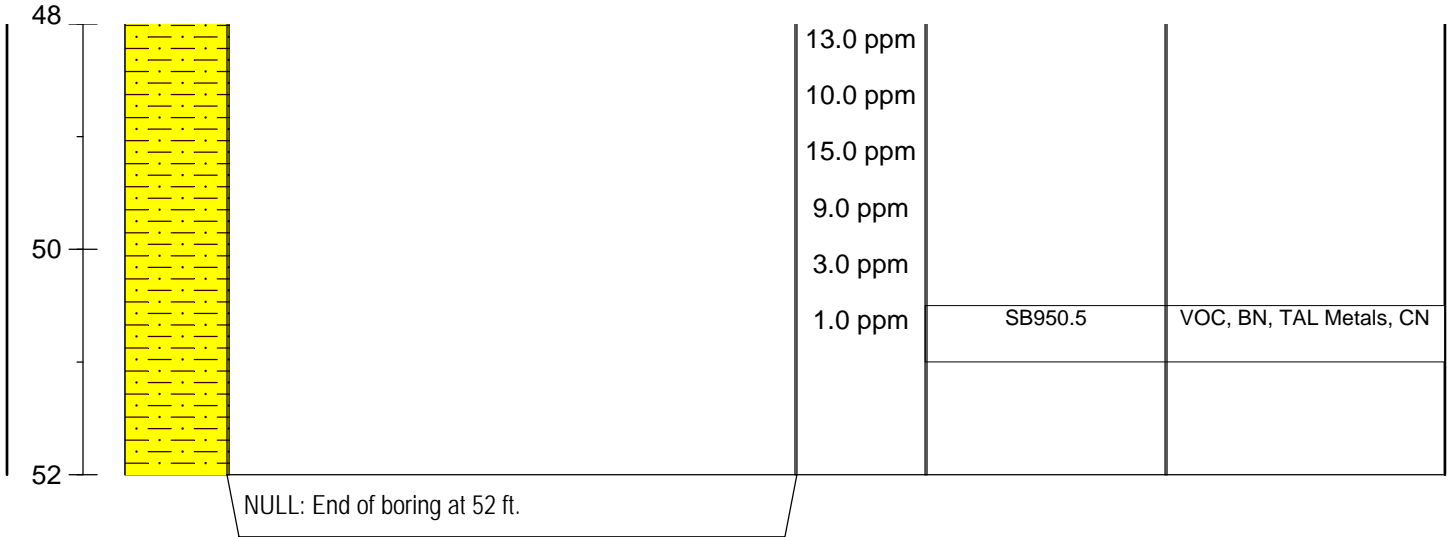
<div>ENSR AECOM</div>		Client: PPG		BORING ID: SB9		
		Site: PPG - Jersey City, NJ				
Start Date: 11/14/2003		Project: Site Investigation		Page: 4 of 5		
		Coordinates: X-611684.65 Y-683228.94		Depth of Boring: 52.00		
End Date: 11/14/2003		Elevation: 16.33		Geologist: A. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

36			4.0 ppm		
			15.0 ppm		
			20.0 ppm		
38			42.0 ppm		
			30.0 ppm		
		SAND: Reddish Brown (2.5YR 4/4) SAND (SW), fine to coarse sand, little silt, gravel up to 1	115.0 ppm		
			130.0 ppm		
40			240.0 ppm		
			120.0 ppm		
			135.0 ppm		
42			90.0 ppm		
			195.0 ppm		
44			160.0 ppm		
			240.0 ppm		
			120.0 ppm		
			100.0 ppm		
46			240.0 ppm		
			160.0 ppm		
			170.0 ppm		
			30.0 ppm		
48		SILT: Red (2.5YR 4/6) SILT (ML), some clay, tight			

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ENSR AECOM		Client: PPG	BORING ID: SB9		
		Site: PPG - Jersey City, NJ			
Start Date: 11/14/2003	Project: Site Investigation		Page: 5 of 5		
	Coordinates: X-611684.65 Y-683228.94		Depth of Boring: 52.00		
End Date: 11/14/2003	Elevation: 16.33		Geologist: A. Rymar		
	Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters










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TPA & TPB

No Boring Log Available

<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X1</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/3/2005		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-610846 Y-683385		Depth of Boring: 24.00		
End Date: 10/3/2005		Elevation: 15.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

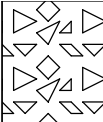
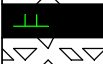
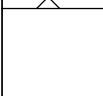
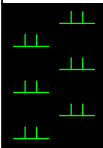

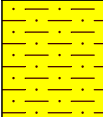
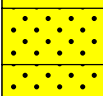
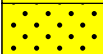
0		CONCRETE: Concrete	0 ppm	X1A; X1AD	TAL Metals, Cr+6, Fe2, CEC
		FILL: White (7.5YR 8/1) fine to coarse sand and gravel, loose			
2		FILL: Strong brown (7.5YR 5/6) fine sand, loose	0 ppm	X1B	TAL Metals, Cr+6, XRD/XRF
		FILL: Reddish brown (5YR 4/3) COPR 100% fine to medium gravel, some silt, loose			
4		FILL: Dark reddish brown (5YR 4/2) dissolved COPR nodules, fine to medium gravel, some silt, tight	0 ppm		
		FILL: Reddish brown (5YR 4/3) COPR 100% fine to medium gravel, some silt, loose	0 ppm		
6		NR: No Recovery	0 ppm	X1C	TAL Metals, Cr+6, Fe2, CEC, XRD/XRF
		FILL: Dark brown (7.5YR 3/2) fine to medium sand and silt, little to race gravel, loose	0 ppm		
8		FILL: Gray (5YR 5/1) gravel	0 ppm		
		FILL: Reddish brown (5YR 4/3) medium gravel, little silt, loose	0 ppm		
10		NR: No recovery	0 ppm	X1D	TAL Metals, Cr+6
		FILL: Dark brown (7.5YR 3/2) silt, little fine sand, little medium to coarse gravel trace clay, slight cohesive	0 ppm		
12		NR: No recovery	0 ppm		
			0 ppm		

NOTES:

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X1</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 10/3/2005		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-610846 Y-683385		Depth of Boring: 24.00	
End Date: 10/3/2005		Elevation: 15.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Black (7.5YR 2.5/1) wood	0 ppm		
		PEAT: Black (7.5YR 2.5/1) peat	0 ppm	X1E	TAL Metals, Cr+6, Fe2, CEC, XRD/XRF
14		FILL: Brown (7.5YR 4/2) silt, little organics, coal fragments, little gravel, lsight cohesive	0 ppm		
		NR: No recovery	0 ppm		
16		PEAT: Black (7.5YR 2.5/1) peat	0 ppm		
		SILT: Gray (7.5YR 6/1) silt, trace clay, slight cohesive	0 ppm	X1F	TAL Metals, Cr+6
18		NR: No recovery	0 ppm		
			0 ppm		
20		SILT: Gray (7.5YR 6/1) silt, trace clay, slight cohesive	0 ppm		
		SAND: Yellowish red (5YR 5/6) fine sand, little silt, trace gravel, slight cohesive	0 ppm		
22		SAND: Strong brown (7.5YR 5/6) fine to medium sand, trace silt and gravel, loose	0 ppm	X1G	TAL Metals, Cr+6
		SAND: Dark reddish brown (2.5YR 3/3) fine sand, loose	0 ppm		
24		NR: No recovery			

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		Client: PPG		BORING ID: X1	
		Site: PPG - Jersey City, NJ			
Start Date: 10/3/2005		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-610846 Y-683385		Depth of Boring: 24.00	
End Date: 10/3/2005		Elevation: 15.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

24

NULL: End of Boring at 24'

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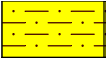

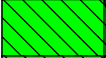


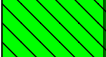



ENSR AECOM		Client: PPG		BORING ID: X10		
		Site: PPG - Jersey City, NJ				
Start Date: 10/5/2005		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-611081.4 Y-683430.04		Depth of Boring: 24.00		
End Date: 10/5/2005		Elevation: 15.00		Geologist: McCray, Scott		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

<div> <div>0</div> <div>2</div> <div>4</div> <div>6</div> <div>8</div> <div>10</div> <div>12</div> </div>		CONCRETE: 2''' Concrete		X10A0.2	Cr+6, TAL Metals
		FILL: Dark reddish brown (5YR 3/2) fine-ultra fine SAND, and Silt, trace gravel, dry, firm to loose (5% COPR 0'-2', 5% Waste Mud 3'-4')			
		NR: No Recovery		X10B1.5	Cr+6, TAL Metals
		FILL: Pale Olive (5Y 6/3) medium-fine SAND, some Silt, trace gravel, dry, loose			
		FILL: Grayish Green medium-fine SAND, some Silt, trace gravel, wet, trace COPR (appears to be dissolving), 100% Waste Mud		X10C4.6	Cr+6, TAL Metals
		NR: No Recovery			

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X10</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/5/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611081.4 Y-683430.04		Depth of Boring: 24.00		
End Date: 10/5/2005		Elevation: 15.00		Geologist: McCray, Scott		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		SILT: Very Dark Grayish Brown (10YR 3/2) SILT and Clay, wet, loose	0.5 ppm	X10D12	Cr+6, TAL Metals
		PEAT: Meadow Mat			
		CLAY: Very Dark Brown (10YR 2/2) CLAY, soft, wet			
14		CLAY: Very Dark Grayish Brown (10Yr 3/2) CLAY, some Silt, soft, wet	3.6 ppm	X10E14.0	Cr+6, TAL Metals
		NR: No Recovery			
16		CLAY: Black (10YR 2/1) organic CLAY, and Silt			
		PEAT: PEAT			
18		CLAY: Black (10YR 2/1) organic CLAY, and Silt		X10F17.5	Cr+6, TAL Metals
		NR: No Recovery			
20		CLAY: Black (10YR 2/1) organic CLAY, and Silt, trace peat			
22				X10G22	Cr+6, TAL Metals
		NR: No Recovery			
24					

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		Client: PPG		BORING ID: X10		
		Site: PPG - Jersey City, NJ				
Start Date: 10/5/2005		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611081.4 Y-683430.04		Depth of Boring: 24.00		
End Date: 10/5/2005		Elevation: 15.00		Geologist: McCray, Scott		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

24

NULL: End of Boring at 24 ft.

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NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X11</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/5/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611086 Y-683549		Depth of Boring: 24.00		
End Date: 10/5/2005		Elevation: 12.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Light greenish gray (GLE Y 1 7/10Y) 100% waste mud, fine sand and silt, little clay, 5YR 7/4 at 3.7 to 3.9, cohesive			
14		FILL: Black (7.5YR 2.5/1) silt, little fine sand, trace clay		X11E	TAL Metals, Cr+6
16		NR: No recovery			
18		PEAT: Black (7.5YR 2.5/1) peat and organic clay		X11F	TAL Metals, Cr+6
20		NR: No recovery			
22		PEAT: Black (7.5YR 2.5/1) peat and organic clay		X11G	TAL Metals, Cr+6
24		SAND: Dark reddish brown (2.5 YR 3/3) fine sand and medium to coarse gravel, some silt and fine gravel, trace medium to coarse sand, loose			
		NR: No recovery		X11H	TAL Metals, Cr+6

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		Client: PPG			BORING ID: X11		
		Site: PPG - Jersey City, NJ					
Start Date: 10/5/2005		Project: Site Investigation			Page: 3 of 3		
		Coordinates: X-611086 Y-683549			Depth of Boring: 24.00		
End Date: 10/5/2005		Elevation: 12.00			Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

24

NULL: End of Boring at 24'

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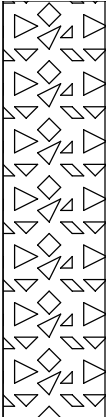






<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X12</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 10/6/2005		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611078 Y-683683		Depth of Boring: 24.00	
End Date: 10/6/2005		Elevation: 19.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete							
		FILL: Strong brown (7.5YR 5/6) fine sand, trace fine to medium gravel, loose	0 ppm		X12A	TAL Metals, Cr+6, Fe2, CEC, XRF/XRD			
		FILL: Bright green fine to coarse gravel, some fine to coarse sand, loose	0 ppm		X12B	TAL Metals, Cr+6			
2		FILL: Dark reddish brown (5YR 3/2) COPR 100% coarse sand and silt, little gravel, loose	0 ppm						
		FILL: Dark reddish brown (5YR 3/3) fine to medium gravel and fine to coarse sand, ash, little coarse gravel, loose	0 ppm						
4		NR: No recovery	1.8 ppm						
		FILL: Greenish gray (GLEY 1 6/10Y) waste mud 100%, silt, some sand, little clay, trace medium sand and fine gravel, ammonia-like odor, slight cohesive	8 ppm						
6			9.6 ppm		X12C	TAL Metals, Cr+6, Fe2, CEC, XRF/XRD			
		FILL: Dark reddish brown (2.5YR 3/4) fine to medium sand and silt, little fine to medium gravel, trace coarse gravel, slight cohesive	9.6 ppm						
8		FILL: Bright green 100% waste mud, fine to coarse sand, little fine gravel, trace silt and medium to coarse gravel, loose	0 ppm						
		FILL: Light greenish gray (GLEY 1 8/10Y) 100% waste mud, fine to medium sand and silt, trace coarse sand and fine gravel, slight cohesive	0 ppm						
10		FILL: Dark reddish brown (5YR 3/3) fine to medium sand and silt, little fine to coarse gravel, slight cohesive	0 ppm		X12D	TAL Metals, Cr+6			
		NR: No recovery	0 ppm						
12									

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X12</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/6/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611078 Y-683683		Depth of Boring: 24.00		
End Date: 10/6/2005		Elevation: 19.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Greenish gray (GLEY 1 5/10Y) 100% waste mud, silt, some fine sand, trace clay, trace medium sand and fine gravel. Chalky green silt at 1.6 to 1.9 feet, slight cohesive	0.4 ppm		
			0.4 ppm		
14		NR: No recovery	0.4 ppm	X12E; X12ED	TAL Metals, Cr+6, Fe2, CEC, XRF/XRD
			0.4 ppm		
16		FILL: Greenish gray (GLEY 1 5/10Y) 100% waste mud, fine to medium sand and silt, trace fine to medium gravel, slight cohesive	0.8 ppm	X12F	TAL Metals, Cr+6
			0.8 ppm		
18		FILL: Very dark gray (7.5YR 3/1) fine sand and silt, trace coarse sand, fine gravel, and organics, cohesive	0.8 ppm		
			0.8 ppm		
20		NR: No recovery	0.2 ppm	X12G	TAL Metals, Cr+6
			0.2 ppm		
22		SAND: Dark reddish brown (2.5YR 3/4) fine to medium sand, little fine to coarse gravel, loose	0.2 ppm	X12H	TAL Metals, Cr+6
			0.2 ppm		
24		NR: No recovery	0.2 ppm		
			0.2 ppm		

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		Client: PPG		BORING ID: X12		
		Site: PPG - Jersey City, NJ				
Start Date: 10/6/2005		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611078 Y-683683		Depth of Boring: 24.00		
End Date: 10/6/2005		Elevation: 19.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters






24

NULL: End of Boring at 24'

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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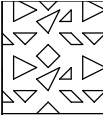
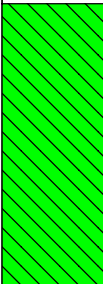
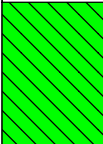
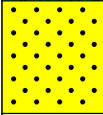
<div>ENSR AECOM</div>		Client: PPG			BORING ID: X13	
		Site: PPG - Jersey City, NJ				
Start Date: 10/5/2005		Project: Site Investigation			Page: 1 of 3	
		Coordinates: X-611132 Y-683163.65			Depth of Boring: 24.00	
End Date: 10/5/2005		Elevation: 14.00			Geologist: McCray, Scott	
		Drill Subcontractor: Ameridrill			Driller:	
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		CONCRETE: 0.2' Concrete		X13A0.2	Cr+6, TAL Metals, Fe2, CEC, XRD/XRF
		FILL: Dark Grayish Brown (2.5Y 4/2) fine-very fine SAND, and Gravel, some Silt, 10% Waste Mud, 50% COPR, dry			
2		FILL: Reddish Yellow medium-fine SAND, some Silt, 50% COPR, dry		X13B1.5	Cr+6, TAL Metals
		NR: No Recovery			
4		FILL: Pale Green to Grayish White SILT, some Clay, trace medium-fine Sand, 100% Waste Mud, saturated (Trace coal ash 4.0-4.2', little yellow seed-like material 4.2-4.4')		X13C4.0	Cr+6, TAL Metals, Fe2, CEC, XRD/XRF
		NR: No Recovery			
6		FILL: Pale green to Grayish White medium-fine SAND, some Silt, 100% Waste Mud, wet			
		FILL: Dark Brown (7.5YR 3/4) medium-fine SAND, some Silt, wet			
8		FILL: Pale green to Grayish White medium-fine SAND, some Silt, 100% Waste Mud, wet		X13D9.5	Cr+6, TAL Metals
		NR: No Recovery			
10					
12					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X13</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/5/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611132 Y-683163.65		Depth of Boring: 24.00		
End Date: 10/5/2005		Elevation: 14.00		Geologist: McCray, Scott		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Same as above (SAA)			
14		NR: No Recovery			
16		CLAY: Very Dark Brown (10YR 2/2) organic CLAY and Meadow Mat, grading 1/2 way to organic clay, little Meadow Mat, soft, damp		X13E16.0	Cr+6, TAL Metals, Fe2, CEC, XRD/XRF
18					
20		NR: No Recovery		X13F18.0	Cr+6, TAL Metals
22		CLAY: Very Dark Brown (10YR 2/2) organic CLAY, some Silt, little Meadow Mat, slightly micaceous			
		SAND: Dark Reddish Brown (2.5YR 2.5/4) coarse-fine SAND, some Silt, little Clay, trace coarse to subrounded Shale and Sandstone Gravel, wet		X13G21.8	Cr+6, TAL Metals
		NR: No Recovery			
24					

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		Client: PPG		BORING ID: X13	
		Site: PPG - Jersey City, NJ			
Start Date: 10/5/2005		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611132 Y-683163.65		Depth of Boring: 24.00	
End Date: 10/5/2005		Elevation: 14.00		Geologist: McCray, Scott	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

24

NULL: End of Boring at 24 ft.

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<div>ENSR AECOM</div>		Client: PPG			BORING ID: X14	
		Site: PPG - Jersey City, NJ				
Start Date: 10/6/2005		Project: Site Investigation			Page: 1 of 3	
		Coordinates: X-611073 Y-683865			Depth of Boring: 24.00	
End Date: 10/6/2005		Elevation: 14.00			Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill			Driller:	
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		FILL: Reddish brown (2.5YR 4/3) fine to medium sand, little coarse sand and fine gravel, loose	0 ppm	X14A	TAL Metals, Cr+6, Fe2, CEC, XRF/XRD
				X14B	TAL Metals and Cr+6
2		FILL: Black (7.5YR 2.5/1) medium to coarse sand, and fine to medium gravel, ash, loose	0 ppm		
4		NR: No recovery	0 ppm		
6		FILL: Strong brown (7.5YR 4/6) silt, little fine sand and fine to medium gravel, trace wood and trace clay, slight cohesive	0 ppm		
8		FILL: Light gray to brown (7.5YR 7/1 to 7.5YR 5/2) 100% waste mud, waste ash, trace coal fragments and brick with medium to coarse gravel, little silt and fine to coarse sand, loose	0 ppm	X14C	TAL Metals, Cr+6, Fe2, CEC
10		NR: No recovery	0 ppm		
12		FILL: Light gray to brown (7.5YR 7/1 to 7.5YR 5/2) 100% waste mud, medium to coarse gravel, little silt and fine to coarse sand, with waste ash and coal fragments at 8.9 to 9.1 feet, loose	0 ppm		
		FILL: Dark brown (7.5YR 3/2) fine to coarse sand, little silt, trace fine to medium gravel, slight cohesive	0 ppm	X14D	TAL Metals and Cr+6
		FILL: Light gray to brown (7.5YR 7/1 to 7.5YR 5/2) medium to coarse gravel, little silt and fine to coarse sand, trace organics, loose	0 ppm		
		FILL: Brown (7.5YR 5/2) fine sand, silt and fine to medium gravel, little medium to coarse sand, slight			

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X14</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/6/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611073 Y-683865		Depth of Boring: 24.00		
End Date: 10/6/2005		Elevation: 14.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		cohesive	0 ppm		
		FILL: Pinkish gray to black (7.5YR 6/2 to 7.5YR 2.5/1) ash and coal fragments with medium to coarse gravel, little fine to coarse sand, trace silt, loose	0 ppm		
		FILL: Yellowish red to dark reddish brown (5YR 5/8 to 5YR 3/2) silt, trace fine gravel and brick fragments, trace fine sand, cohesive	0 ppm	X14E	TAL Metals, Cr+6, Fe2, CEC, XRF/XRD
14		FILL: Red (2.5YR 4/6) fine to medium sand, trace coarse sand, loose	0 ppm		
		NR: No recovery			
16		SILT: Black (7.5YR 2.5/1) silt, trace fine gravel and fine sand, tight	2.1 ppm		
			2.1 ppm		
		PEAT: Black (7.5YR 2.5/1) peat		X14F	TAL Metals and Cr+6
18		SILTY SAND: Dark gray (7.5YR 4/1) fine sand, silt, and clay, cohesive	2.1 ppm		
		NR: No recovery	2.1 ppm		
20		SILTY SAND: Dark gray (7.5YR 4/1) fine sand, silt, and clay, cohesive	0 ppm		
			0 ppm		
22		SAND: Dark red (2.5YR 3/6) fine to medium sand, little coarse sand, trace fine gravel, loose	0 ppm	X14G	TAL Metals and Cr+6
		NR: No recovery			
			0 ppm		
24					

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		Client: PPG		BORING ID: X14		
		Site: PPG - Jersey City, NJ				
Start Date: 10/6/2005		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611073 Y-683865		Depth of Boring: 24.00		
End Date: 10/6/2005		Elevation: 14.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

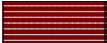












24

NULL: End of Boring at 24'

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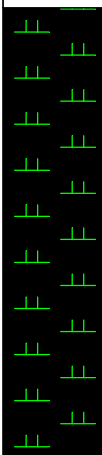
<div>ENSR AECOM</div>		Client: PPG		BORING ID: X15	
		Site: PPG - Jersey City, NJ			
Start Date: 10/11/2005		Project: Site Investigation		Page: 1 of 2	
		Coordinates: X-611221 Y-682946		Depth of Boring: 20.00	
End Date: 10/11/2005		Elevation: 14.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		ASPHALT: Black (7.5YR 2.5/1) Asphalt and fine to coarse sand and littl fine to coarse gravel, loose	N/A		
		FILL: Dark red (2.5YR 3/6) silt, fine to medium sand and fine to coarse gravel, COPR, loose	0.2 ppm		
2		FILL: Bright green fine to coarse gravel, trace silt, loose	2.0 ppm		
		FILL: Dark reddish gray (5YR 4/2) silt, some clay, waste mud, slightly cohesive	2.0 ppm		
		NR: No recovery			
4		FILL: Dark reddish gray (5YR 4/2) silt, some clay, waste mud, slightly cohesive	2.0 ppm		
			0.2 ppm		
6			1.0 ppm		
		FILL: Dark reddish brown (2.5YR 2.5/4) fine sand and silt and medium to coarse gravel, little fine gravel and medium sand, loose	1.0 ppm		
8		NR: No recovery	1.0 ppm		
		FILL: Dark reddish gray (5YR 4/2) silt, some clay, waste mud, slightly cohesive	0.3 ppm		
10			0.3 ppm		
			0.3 ppm		
12					

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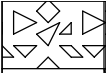






ENSR AECOM		Client: PPG		BORING ID: X15	
		Site: PPG - Jersey City, NJ			
Start Date: 10/11/2005		Project: Site Investigation		Page: 2 of 2	
		Coordinates: X-611221 Y-682946		Depth of Boring: 20.00	
End Date: 10/11/2005		Elevation: 14.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		NULL: End of Boring at 12', due to drill rig breaking down	0.3 ppm		
14		NR: No Recovery		X15E	TAL Metals, Cr+6
16		PEAT: Very dark gray (2.5Y 3/1) PEAT, some Sandy Silt, little Clayey Silt, strong hydrocarbon odor, moist.	26.1 ppm	X15F	TAL Metals, Cr+6
18					
20				NULL: End of Boring at 20 ft.	X15G

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: X16		
		Site: PPG - Jersey City, NJ				
Start Date: 10/20/2005		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611219 Y-683096		Depth of Boring: 20.00		
End Date: 10/20/2005		Elevation: 15.00		Geologist: M. Abdelaziz		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

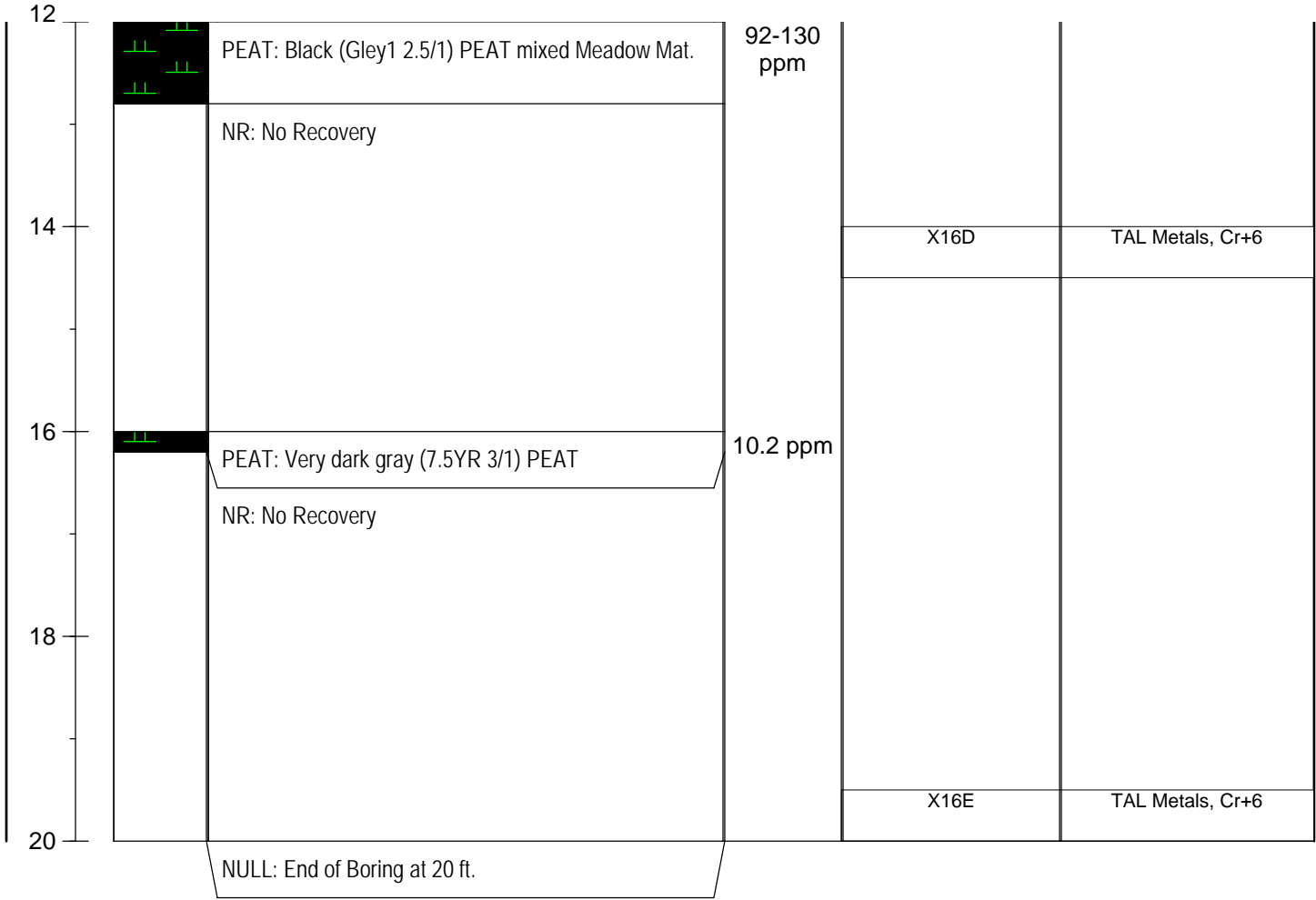
0		FILL: Dark brown (7.5YR 3/2) medium to fine SAND, some Silt, traces of coarse Gravel, moist. 100% COPR. NR: No Recovery	0.0 ppm		
				X16A	TAL Metals, Cr+6
2					
4					
6		FILL: Dark brown (7.5YR 3/2) medium to coarse SAND, some Silt, little to trace fine Gravel, moist. 100% COPR.	0.3 ppm		
8		FILL: Light greenish gray (Gley1 7/1) medium to coarse SAND, some Silt, little to trace fine Gravel. 50% Waste Mud, 50% COPR.		X16B	TAL Metals, Cr+6
10		FILL: Light gray (Gley1 7/1) medium to fine SAND, some Silt, little fine to medium Gravel, wet. 100% COPR. NR: No Recovery	0.2 ppm		
12				X16C	TAL Metals, Cr+6

NOTES:

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: X16		
		Site: PPG - Jersey City, NJ			
Start Date: 10/20/2005		Project: Site Investigation	Page: 2 of 2		
		Coordinates: X-611219 Y-683096	Depth of Boring: 20.00		
End Date: 10/20/2005		Elevation: 15.00	Geologist: M. Abdelaziz		
		Drill Subcontractor: Ameridrill	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



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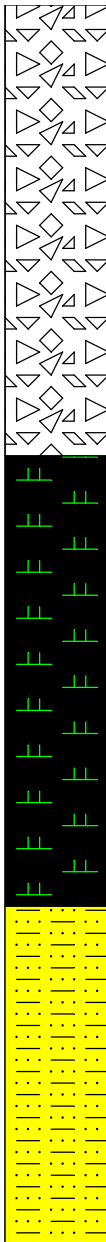
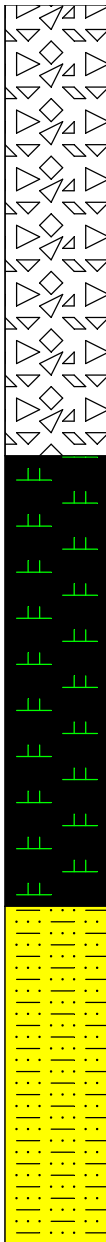
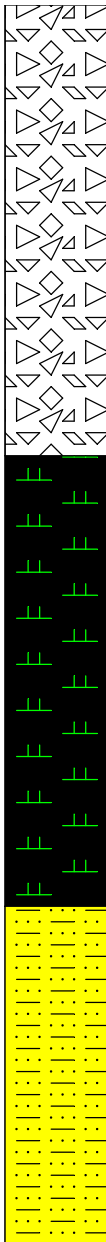
<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	<div> <div>BORING ID:</div> <div>X17</div> </div>		
		Site: PPG - Jersey City, NJ			
<div> <div>Start Date:</div> <div>10/20/2005</div> </div>		Project: Site Investigation	Page: 1 of 2		
		Coordinates: X-611188 Y-683195	Depth of Boring: 23.00		
<div> <div>End Date:</div> <div>10/20/2005</div> </div>		Elevation: 15.00	Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		CONCRETE: 3" CONCRETE	0.0 ppm		
		FILL: Dusky Red (2.5YR 3/2) fine to coarse SAND, some Sandy Silt, wet at 4.0'. 100% COPR nodules	N/A	X170.5	TAL Metals, Cr+6
2					
4		NR: No Recovery			
6					
8					
8		FILL: Dark Red (2.5YR) fine to coarse GRAVEL, some fine to coarse Sand, wet, oily sheen at 8.5-9.0'. 100% COPR nodules.	5.1 ppm		
10				X1710.0	TAL Metals, Cr+6
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: X17		
		Site: PPG - Jersey City, NJ				
Start Date: 10/20/2005		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-611188 Y-683195		Depth of Boring: 23.00		
End Date: 10/20/2005		Elevation: 15.00		Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters








12		FILL: Dark Reddish Brown (2.5YR 3/4) fine GRAVEL, some fine to coarse Sand, trace Silt, saturated, oily NAPL sheen (MGP). 100% COPR nodules	2.2 ppm		
14				X1714.0	TAL Metals, Cr+6
16					
18		PEAT: Dark Bluish Gray (GLE2 4/1) PEAT and SILTY CLAY, trace Silt, very strong mothball odor, NAPL observed, moist.	43-74.5 ppm		
20				X1718.0	TAL Metals, Cr+6
22					
		SANDY SILT: Dark Reddish Gray (10R 3/1) SANDY SILT, some fine Sand, grading coarser at 23', wet, mild mothball odor.	0.4-3.6 ppm		
				X1722.0	TAL Metals, Cr+6
<div>NULL: End of Boring at 23 ft.</div>					

NOTES:

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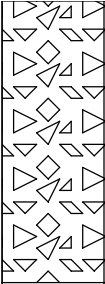
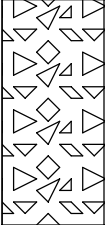

<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X18</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/6/2005		Project: Site Investigation		Page: 1 of 4		
		Coordinates: X-611184.95 Y-683488.21		Depth of Boring: 36.00		
End Date: 10/6/2005		Elevation: 14.00		Geologist: McCray, Scott		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		ASPHALT: 3.5" ASPHALT	0.0 ppm		
		FILL: Dark Brown (7.5YR 3/2) medium-fine SAND, some Silt, little Gravel, Yellow-Brown stain-like material in patches throughout, dry, firm		X18A0.4	Cr+6, TAL Metals
2		FILL: Light Green SILT, and fine-very fine SAND, dry, loose	0.0 ppm	X18B1.5	Cr+6, TAL Metals
		NR: No Recovery			
4		FILL: Light Green SILT, and fine-very fine Sand, dry, faint Ammonia-like odor	0.0 ppm		
		FILL: Same as above (SAA), wet		X18C6.0; X18CD6.0	Cr+6, TAL Metals
6			0.2 ppm		
				X18D10.0	Cr+6, TAL Metals
8					
10					
12					

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		Client: PPG		BORING ID: X18	
		Site: PPG - Jersey City, NJ			
Start Date: 10/6/2005		Project: Site Investigation		Page: 2 of 4	
		Coordinates: X-611184.95 Y-683488.21		Depth of Boring: 36.00	
End Date: 10/6/2005		Elevation: 14.00		Geologist: McCray, Scott	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: SAA, damp	0.0 ppm		
14		NR: No Recovery		X18E14.0	Cr+6, TAL Metals
16		FILL: SAA			
18		NR: No Recovery	0.0 ppm	X18F17.5	Cr+6, TAL Metals
20		FILL: SAA		X18G20.0	Cr+6, TAL Metals
22		NR: No Recovery			
24					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: X18		
		Site: PPG - Jersey City, NJ				
Start Date: 10/6/2005		Project: Site Investigation		Page: 3 of 4		
		Coordinates: X-611184.95 Y-683488.21		Depth of Boring: 36.00		
End Date: 10/6/2005		Elevation: 14.00		Geologist: McCray, Scott		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

24		SAND: Dusky Red (10R 3/4) medium-fine SAND, some Silt, trace Gravel, hard, dry	0.0 ppm	X18H24.0	Cr+6, TAL Metals
26		NR: No Recovery		X18I25.5	Cr+6, TAL Metals
		NULL: End of Boring at 27 ft.			
28		CLAYEY SILT: Reddish Brown (2.5YR 5/4) CLAYEY SILT, some Silty Clay, wet, native.	0.0 ppm	X18J	TAL Metals, Cr+6
		SAND: Reddish Brown (2.5YR 4/4) fine to medium SAND, moderately well sorted, wet.		X18K	TAL Metals, Cr+6
30		NR: No Recovery			
32		SAND: Same As Above (SAA)	0.4 ppm	X18L	TAL Metals, Cr+6
				X18M	TAL Metals, Cr+6
34		NR: No Recovery			
36					

NOTES:

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		Client: PPG		BORING ID: X18	
		Site: PPG - Jersey City, NJ			
Start Date: 10/6/2005		Project: Site Investigation		Page: 4 of 4	
		Coordinates: X-611184.95 Y-683488.21		Depth of Boring: 36.00	
End Date: 10/6/2005		Elevation: 14.00		Geologist: McCray, Scott	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

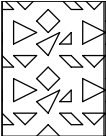
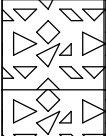
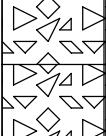
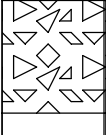
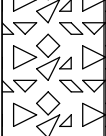
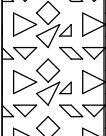
36

NULL: End of Boring at 36 ft.

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: X19	
		Site: PPG - Jersey City, NJ			
Start Date: 10/5/2005		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611135 Y-683511		Depth of Boring: 24.00	
End Date: 10/5/2005		Elevation: 14.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: Reddish brown (5YR 4/4) COPR 100%, fine to coarse sand, fine to medium gravel, bright green gravel at 0.2-0.3 feet, loose	0 ppm	X19A	TAL Metals, Cr+6
2		NR: No Recovery	0 ppm		
			0 ppm		
			0 ppm		
4		FILL: Reddish brown (5YR 4/4) COPR 100%, fine to coarse sand, fine to medium gravel, loose	0 ppm	X19B	TAL Metals, Cr+6
			0 ppm		
			0 ppm		
6		FILL: Bright green fine sand and silt, cohesive	0 ppm		
			0 ppm		
			0 ppm		
8		FILL: Reddish brown (5YR 4/4) COPR 100%, fine to coarse sand, fine to medium gravel, loose	0 ppm	X19C	TAL Metals, Cr+6
			0 ppm		
			0 ppm		
10		NR: No Recovery	0 ppm		
			0 ppm		
			0 ppm		
12		FILL: Bright green waste mud 100%, fine sand and silt, slight cohesive	0 ppm		
			0 ppm		
			0 ppm		
			0 ppm	X19D	TAL Metals, Cr+6
			0 ppm		

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: X19		
		Site: PPG - Jersey City, NJ				
Start Date: 10/5/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611135 Y-683511		Depth of Boring: 24.00		
End Date: 10/5/2005		Elevation: 14.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Dark brown (7.5YR 3/2) to bright green fine sand and silt, slight cohesive	0 ppm		
			0 ppm		
14			0 ppm	X19E	TAL Metals, Cr+6
		FILL: Very dark gray (7.5YR 3/1) fine sand and silt, little fine gravel, tight	0 ppm		
			0 ppm		
16			0 ppm		
	NR: No recovery	NR: No recovery	0 ppm		
			0 ppm		
18			0 ppm		
		PEAT: Black (7.5YR 2.5/1) peat	0 ppm		
20			0 ppm		
			0 ppm		
		SILTY SAND: Gray (7.5YR 5/1) fine sand and silt, little clay, cohesive	0 ppm	X19F	TAL Metals, Cr+6
			0 ppm		
			0 ppm	X19G	TAL Metals, Cr+6
22		SAND: Dark reddish brown (2.5YR 3/3) fine to coarse sand, some fine to medium gravel, little coarse gravel	0 ppm		
			0 ppm		
			0 ppm		
	NR: No recovery	NR: No recovery	0 ppm		
24			0 ppm		

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		Client: PPG		BORING ID: X19	
		Site: PPG - Jersey City, NJ			
Start Date: 10/5/2005		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611135 Y-683511		Depth of Boring: 24.00	
End Date: 10/5/2005		Elevation: 14.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

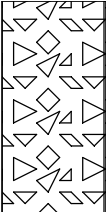







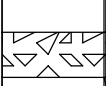




24

NULL: End of Boring at 24'

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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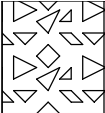
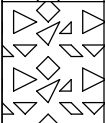
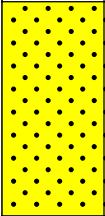
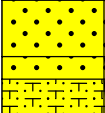
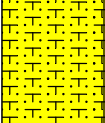
<div>ENSR AECOM</div>		Client: PPG			BORING ID: X2		
		Site: PPG - Jersey City, NJ					
Start Date: 10/4/2005		Project: Site Investigation			Page: 1 of 3		
		Coordinates: X-610866 Y-683564			Depth of Boring: 24.00		
End Date: 10/4/2005		Elevation: 13.00			Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		FILL: Very dark gray (7.5YR 3/1) fine sand and silt, some fine to coarse gravel, trace coal fragments, brick and organics, slgiht cohesive	0 ppm	X2A	TAL Metals, Cr+6
2		FILL: Dark reddish brown (2.5YR 3/4) medium to coarse gravel, loose	0 ppm	X2B; X2BD	TAL Metals, Cr+6
		FILL: Very dark gray (7.5YR 3/1) medium and coarse sand, some fine to coarse gravel, little fine sand, loose	0 ppm		
4		NR: No Recovery	0 ppm		
				X2C	TAL Metals, Cr+6
		FILL: Very dark gray (7.5YR 3/1) fine to medium sand and silt, little fine gravel, slight cohesive	0 ppm		
		NR: No Recovery	0 ppm		
6			0 ppm		
			0 ppm		
8		FILL: Very dark gray (7.5YR 3/1) silt, trace fine gravel and fine sand, cohesive	0 ppm	X2D	TAL Metals, Cr+6
		NR: No Recovery	0 ppm		
10			0 ppm		
			0 ppm		
12			0 ppm		

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X2</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 10/4/2005		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-610866 Y-683564		Depth of Boring: 24.00	
End Date: 10/4/2005		Elevation: 13.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Very dark gray (7.5YR 3/1) fine sand and silt, trace clay, slight cohesive	0 ppm		
		FILL: Dark reddish gray (7.5YR 4/1) silt and clay, little fine sand, trace organics, cohesive	0 ppm		
14		NR: No Recovery	0 ppm	X2E	TAL Metals, Cr+6
			0 ppm		
16		SAND: Dark reddish brown (2.5YR 3/4) fine to coarse sand, some silt and fine to medium gravel, loose	0 ppm		
			0 ppm	X2F	TAL Metals, Cr+6
18		NR: No Recovery	0 ppm		
			0 ppm		
20		SAND: Dark reddish brown (2.5YR 3/4) fine to coarse sand, little fine gravel and silt, trace medium gravel, loose	0 ppm		
		SAND: Very dark gray (7.5YR 3/4) fine to coarse sand, little fine gravel and silt, trace medium gravel, loose	0 ppm		
22		SILTY SAND: Dark reddish brown (2.5YR 3/4) fine sand and silt to fine sand, slight cohesive to loose	0 ppm	X2G	TAL Metals, Cr+6
		NR: No Recovery	0 ppm		
24					

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		Client: PPG		BORING ID: X2		
		Site: PPG - Jersey City, NJ				
Start Date: 10/4/2005		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-610866 Y-683564		Depth of Boring: 24.00		
End Date: 10/4/2005		Elevation: 13.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

24

NULL: End of Boring at 24'

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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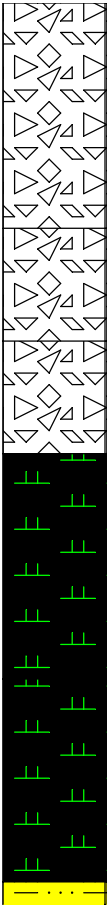
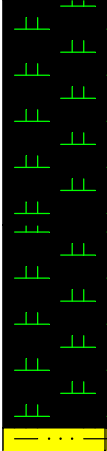

<div>ENSR AECOM</div>		Client: PPG			BORING ID: X20		
		Site: PPG - Jersey City, NJ					
Start Date: 11/1/2005		Project: Site Investigation			Page: 1 of 2		
		Coordinates: X-611197.88 Y-683647.68			Depth of Boring: 20.00		
End Date: 11/1/2005		Elevation: 19.00			Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		CONCRETE: 3 inches of Concrete	0.0 ppm		
		FILL: Brownish Yellow (10YR 6/6), fine to medium SAND, some fine to medium Gravel, 50% COPR, dry.		X20A	TAL Metals, Cr+6
		FILL: Dark Brown (7.5YR 3/3), fine to medium GRAVEL, some fine to coarse Sand, 80% COPR, dry.			
2		NR: No Recovery	0.1 ppm	X20B	TAL Metals, Cr+6
		FILL: Dark Redish Brown (2.5YR 3/4), fine to medium SAND, some Gravel, wet, 100% COPR.			
		FILL: Lime Green medium to coarse SAND, some fine to medium Gravel, wet, 50% COPR.	0.0 ppm		
4		NR: No Recovery			
		FILL: Bluish Gray GLEY (2YR 6/1), coarse GRAVEL, some Pebbles and Cobbels, wet.			
6		NR: No Recovery	0.0 ppm	X20C	TAL Metals, Cr+6
		FILL: Light Greenish Gray GLEY (1YR 7/1), Silty SAND, some fine to medium Sand, 100% mud waste.			
		NR: No Recovery			
8		FILL: Greenish Gray GLEY (1YR 6/1), fine SAND, some Silty Sand (coal ash), 100% mud waste.	0.7-2.2 ppm		
10		FILL: Light Gray (7.5YR 7/1), fine SAND, some Silty Sand, wet, coal ash, 100% mud waste.	2.2-19.6 ppm	X20D	TAL Metals, Cr+6
12					

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ENSR AECOM		Client: PPG		BORING ID: X20		
		Site: PPG - Jersey City, NJ				
Start Date: 11/1/2005		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-611197.88 Y-683647.68		Depth of Boring: 20.00		
End Date: 11/1/2005		Elevation: 19.00		Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Dark Gray (7.5YR 4/1), fine SAND, some Silty Sand, trace yellow specs (coal ash), wet, 100% mud waste.	0.0 ppm		
14		FILL: Gray (7.5YR 6/1), fine SAND, some Silty Sand, (coal ash), wet, 100% mud waste.	0.3-4.6 ppm	X20E	TAL Metals, Cr+6
		FILL: Dark Gray (7.5YR 4/1), Silty SAND, some fine Sand, 100% mud waste.			
16		PEAT: Very Dark Gray (7.5YR 3/1), PEAT, some Clay Silt, sewage odor, moist.	0.3-1.8 ppm	X20F	TAL Metals, Cr+6
18		PEAT: Very Dark Gray (7.5YR 3/1), PEAT, some Clay Silt, sewage odor, moist.	0.5-2.1 ppm	X20G	TAL Metals, Cr+6
20		SANDY SILT: Gray (7.5YR 5/1), Sandy SILT, some Clay Silt.		X20H	TAL Metals, Cr+6
		NULL: End of Boring at 20 ft.			

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<div>ENSR AECOM</div>		Client: PPG			BORING ID: X21		
		Site: PPG - Jersey City, NJ					
Start Date: 10/6/2005		Project: Site Investigation			Page: 1 of 3		
		Coordinates: X-611157 Y-683545			Depth of Boring: 24.00		
End Date: 10/6/2005		Elevation: 16.00			Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

<div> <div>0</div> <div>2</div> <div>4</div> <div>6</div> <div>8</div> <div>10</div> <div>12</div> </div>		FILL: Brown (7.5YR 4/3) fine to medium sand and silt, little organic matter, trace gravel, loose	0.0 ppm	X21A	TAL Metals and Cr+6
		FILL: Reddish yellow (7.5YR 6/8) fine to medium sand, trace coarse sand and gravel, loose			
		FILL: Dark reddish brown (5YR 3/4) COPR 100% fine to medium gravel, some fine to medium sand and silt, tight		X21B	TAL Metals and Cr+6
		FILL: Greenish gray (GLEY 1 5/10Y) waste mud COPR 100%, fine to medium sand and silt, slight cohesive	0.0 ppm		
		NR: No recovery	0.0 ppm		
		FILL: Greenish gray (GLEY 1 7/5GY) and bright green waste mud, fine sand and silt, little medium sand, cohesive	0.1 ppm		
			0.1 ppm		
			0.1 ppm	X21C	TAL Metals and Cr+6
		FILL: Greenish gray (GLEY 1 7/5GY) to light greenish gray (GLEY 1 8/10Y) silt, little fine sand and clay, slight cohesive	0.1 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm	X21D	TAL Metals and Cr+6

NOTES:

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: X21		
		Site: PPG - Jersey City, NJ				
Start Date: 10/6/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611157 Y-683545		Depth of Boring: 24.00		
End Date: 10/6/2005		Elevation: 16.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12			0.0 ppm		
			0.0 ppm		
14			0.0 ppm		
			0.0 ppm		
		FILL: Very dark gray (7.5YR 3/1) silt, little fine sand, trace clay, cohesive	0.0 ppm	X21E	TAL Metals and Cr+6
16		NR: No recovery	0.0 ppm		
		CLAY: Black (7.5YR 2.5/1) organic clay, some silt, cohesive	36.8 ppm		
		PEAT: Black (7.5YR 2.5/1) peat	36.8 ppm	X21F	TAL Metals and Cr+6
18		NR: No recovery	36.8 ppm		
			36.8 ppm		
20		CLAY: Black (7.5YR 2.5/1) organic clay, some silt, cohesive	36.8 ppm		
		SILT: Dark gray (7.5YR 4/1) silt, some clay, trace fine to coarse sand and fine gravel, cohesive	4.3 ppm		
22		SAND: Dark reddish brown (2.5YR 3/3) fine to medium sand, some silt, little coarse sand, loose	4.3 ppm	X21G	TAL Metals and Cr+6
		NR: No recovery	4.3 ppm		
24					

NOTES:

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		Client: PPG		BORING ID: X21		
		Site: PPG - Jersey City, NJ				
Start Date: 10/6/2005		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611157 Y-683545		Depth of Boring: 24.00		
End Date: 10/6/2005		Elevation: 16.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters





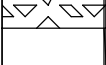







24

NULL: End of Boring at 24'

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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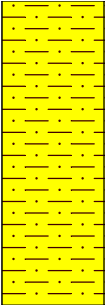
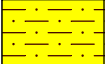
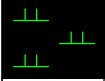
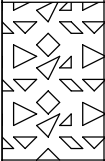
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		Site: PPG - Jersey City, NJ			
Start Date: 10/7/2005		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611177 Y-683901		Depth of Boring: 24.00	
End Date: 10/7/2005		Elevation: 16.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		ASPHALT: Black asphalt, and medium to coarse gravel, loose			
		FILL: White (7.5YR 8/1) fine to coarse sand and gravel concrete, loose	0 ppm	X22A	TAL Metals, Cr+6
2		FILL: Dark reddish brown (7.5YR 3/2) fine to coarse sand, some fine to medium gravel, trace wood, some brick, loose	0 ppm	X22B; X22BD	TAL Metals, Cr+6
		FILL: Light reddish brown, pink and white (7.5YR 7/3, 7.5YR 8/3, and 7.5YR 8/1) medium to coarse sand and fine to medium gravel, some fine sand and coarse gravel, brick fragments at 1.4 to 1.5 feet, loose	0 ppm		
4		NR: No Recovery	0 ppm		
		FILL: Light red (2.5YR 6/6) medium to coarse sand and fine gravel, some medium to coarse gravel, little fine sand, loose	0 ppm		
6		FILL: Very dark gray to black (7.5YR 3/1 to 7.5YR 2.5/1) Ash and coal fragments, medium to coarse gravel, some medium to coarse sand and fine gravel, loose	0 ppm	X22C	TAL Metals, Cr+6
		NR: No Recovery	0 ppm		
8		FILL: Dark brown (7.5YR 3/3) silt, little fine to medium sand, trace fine gravel, slight cohesive	0 ppm		
		FILL: Black (7.5YR 2.5/1) medium to coarse gravel and silt, trace fine to medium sand, shells at 9.0 to 9.3 feet, slight cohesive	0 ppm	X22D	TAL Metals, Cr+6
10		FILL: Very dark gray (7.5YR 3/1) fine sand and silt, little clay, trace brick fragments, sohesive	0 ppm		
		NR: No recovery	0 ppm		
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X22</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 10/7/2005		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611177 Y-683901		Depth of Boring: 24.00	
End Date: 10/7/2005		Elevation: 16.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		SILT: Yellowish red (5YR 5/6) silt, little clay, little to trace fine sand, medium to coarse gravel at 13.9-14.1 and 13.4-13.5, cohesive	0 ppm		
			0 ppm		
14			0 ppm	X22E	TAL Metals, Cr+6
		NR: No recovery	0 ppm		
16		SILT: Yellowish red (5YR 5/6) silt, little clay, trace fine sand, cohesive	1.6 ppm		
		PEAT: Very dark gray (7.5YR 3/1) peat	1.6 ppm	X22F	TAL Metals, Cr+6
		CLAYEY SILT: Dark gray (7.5YR 4/1) clay and silt, trace organics, cohesive	1.6 ppm		
18		NR: No recovery	1.6 ppm		
			1.6 ppm		
20		FILL: Dark gray (7.5YR 4/1) clay and silt, trace brick fragments and coarse gravel, cohesive	0 ppm	X22G	TAL Metals, Cr+6
			0 ppm	X22H	TAL Metals, Cr+6
22		NR: No recovery	0 ppm		
			0 ppm		
24					

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		Client: PPG		BORING ID: X22	
		Site: PPG - Jersey City, NJ			
Start Date: 10/7/2005		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611177 Y-683901		Depth of Boring: 24.00	
End Date: 10/7/2005		Elevation: 16.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters


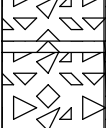
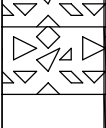

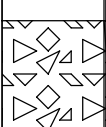
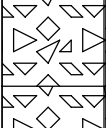
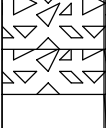



24

NULL: End of Boring at 24'

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: X23		
		Site: PPG - Jersey City, NJ			
Start Date: 10/11/2005	Project: Site Investigation		Page: 1 of 3		
	Coordinates: X-611319.02 Y-683201.88		Depth of Boring: 24.00		
End Date: 10/11/2005	Elevation: 13.00		Geologist: Richard Firely		
	Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		ASPHALT: Asphalt and brick fragments			
		FILL: Brown (7.5YR 5/2) COPR 70%, silt, some fine to medium gravel and coarse sand, dissolved COPR, cohesive	0 ppm	X23A	TAL Metals, Cr+6
		FILL: Bright green, COPR 70%, silt, some fine to medium gravel and coarse sand, dissolved COPR, cohesive	0 ppm	X23B	TAL Metals, Cr+6
2		FILL: Dark brown (7.5YR 3/2) COPR 70%, silt, some fine to medium gravel and coarse sand, dissolved COPR, cohesive	0 ppm		
		FILL: Brown (7.5YR 5/3) COPR 70%, silt, some fine to medium gravel and coarse sand, dissolved COPR, cohesive	0 ppm		
4		NR: No recovery	0 ppm		
		FILL: Strong brown (7.5YR4/6) silt and fine sand, little fine to medium gravel, slight cohesive	0 ppm	X23C	TAL Metals, Cr+6
6		FILL: Black 7.5YR 2.5/1) silt and fine to coarse gravel, loose	0 ppm		
		FILL: Dark reddish brown to pinkish white (2.5YR 3/4 to 2.5YR 8/2) brick fragments, concrete fragments, and coarse gravel	0 ppm		
8		NR: No recovery	0 ppm		
10					
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: X23		
		Site: PPG - Jersey City, NJ				
Start Date: 10/11/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611319.02 Y-683201.88		Depth of Boring: 24.00		
End Date: 10/11/2005		Elevation: 13.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12					
14					
16		FILL: COPR 100%, fine to coarse gravel, some silt, little fine to coarse sand, coal tar and MGP-like odor		X23F	TAL Metals, Cr+6
		PEAT: Very dark gray (7.5YR3/1) peat	89.9 ppm	X23G	TAL Metals, Cr+6
18		SAND: Dark brown (7.5YR 3/4) fine to coarse sand, some silt, little fine to coarse gravel, loose, MGP-Like odor and sheen at 2.0-2.5 feet	89.9 ppm	X23H	TAL Metals, Cr+6
		NR: No recovery	89.9 ppm		
20		SAND: Dark reddish brown (2.5YR 3/4) fine to coarse sand and fine to coarse gravel, little silt, trace clay, sheen, MGP-like odor, loose	89.9 ppm		
			733.1 ppm		
22			733.1 ppm	X23I	TAL Metals, Cr+6
		NR: No recovery	733.1 ppm		
24					

NOTES:

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		Client: PPG		BORING ID: X23		
		Site: PPG - Jersey City, NJ				
Start Date: 10/11/2005		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611319.02 Y-683201.88		Depth of Boring: 24.00		
End Date: 10/11/2005		Elevation: 13.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

24

NULL: End of Boring at 24'

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: X24		
		Site: PPG - Jersey City, NJ			
Start Date: 10/11/2005	Project: Site Investigation		Page: 1 of 3		
	Coordinates: X-611321 Y-683314		Depth of Boring: 24.00		
End Date: 10/11/2005	Elevation: 14.00		Geologist: Richard Firely		
	Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: Black (7.5YR 2.5/1) fine to coarse gravel, loose	0 ppm	X24A	TAL Metals, Cr+6, Fe2, CEC, XRF/XRD
		FILL: Silt, little fine sand, coarse sand and fine gravel, slight cohesive, COPR			
2		FILL: Pink (5YR 8/3) silt, trace fine to coarse gravel, slight cohesive	0 ppm	X24B; X24BD	TAL Metals, Cr+6
		NR: No Recovery	0 ppm		
4		FILL: Pink (5YR 8/3) to brown (7.5YR 4/2) silt, some fine to coarse gravel, slight cohesive	0 ppm		
		FILL: Dark red (2.5YR 3/6) 100% COPR, silt, little fine sand and medium to coarse gravel, slight cohesive	0 ppm		
6		FILL: Dark gray (5YR 4/1) with flecks of pink (5YR 8/3) 100% waste mud, silt, little clay, trace of fine to medium gravel, cohesive	0 ppm	X24C	TAL Metals, Cr+6, Fe2, CEC, XRF/XRD
		NR: No Recovery	0 ppm		
8		FILL: Black (7.5YR 2.5/1) silt and medium to coarse gravel, some organics and wood fragments, sheen, MGP-like odor, light cohesive	0 ppm	X24D	TAL Metals, Cr+6
		NR: No Recovery	1.4 ppm		
10			1.4 ppm		
			1.4 ppm		
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: X24	
		Site: PPG - Jersey City, NJ			
Start Date: 10/11/2005		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611321 Y-683314		Depth of Boring: 24.00	
End Date: 10/11/2005		Elevation: 14.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Fine to coarse gravel, some ash and medium to coarse sand, trace shells, coal tar, sheen and MGP-like odor, loose	1.4 ppm		
				X24E	TAL Metals, Cr+6, Fe2, CEC, XRF/XRD
14		PEAT: Very dark gray (7.5YR 3/1) Peat	124 ppm		
			124 ppm		
			124 ppm		
			124 ppm		
16		PEAT: Very dark gray (7.5YR 3/1) Peat	124 ppm		
			9.3 ppm		
				X24F	TAL Metals, Cr+6
			9.3 ppm		
18		GRAVEL: Reddish gray to dark reddish brown (2.5YR 5/1 to 2.5YR 3/4) medium to coarse gravel, little silt and fine sand, trace medium to coarse sand and fine gravel, sheen and MGP-like odor at 17.2 to 17.5 feet, loose	9.3 ppm		
			9.3 ppm		
			9.3 ppm		
			9.3 ppm		
20		GRAVEL: Dark reddish brown (2.5YR 3/4) medium to coarse gravel, little silt and fine sand, trace medium to coarse sand and fine gravel, sheen and MGP-like odor at 20.5 to 20.9 feet, loose	2.0 ppm		
				X24G	TAL Metals, Cr+6
			2.0 ppm		
			2.0 ppm		
22		SAND: Dark reddish brown (2.5YR 3/4) medium to fine sand, some coarse sand, trace fine to coarse gravel, loose	2.0 ppm		
			2.0 ppm		
24		NR: No Recovery			

NOTES:

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		Client: PPG		BORING ID: X24	
		Site: PPG - Jersey City, NJ			
Start Date: 10/11/2005		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611321 Y-683314		Depth of Boring: 24.00	
End Date: 10/11/2005		Elevation: 14.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

24

NULL: End of Boring at 24'

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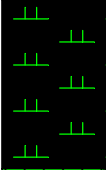
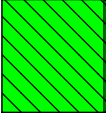
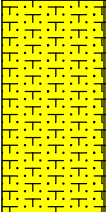

<div>ENSR AECOM</div>		Client: PPG		BORING ID: X25	
		Site: PPG - Jersey City, NJ			
Start Date: 10/10/2005		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611322.58 Y-683446.89		Depth of Boring: 24.00	
End Date: 10/10/2005		Elevation: 14.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: Dark brown (7.5YR 3/4) fine to medium sand, silt and fine gravel, loose	0.4 ppm	X25A	TAL Metals, Cr+6
		FILL: Dark reddish gray (5YR 4/2) silt, little clay, little fine sand, trace fine gravel, slight cohesive	0.4 ppm	X25B	TAL Metals, Cr+6
2		FILL: Black (7.5YR 2.5/1) to bright green, fine to coarse gravel, little fine to medium sand and silt, loose	0.4 ppm		
		NR: No recovery			
		FILL: Dark brown (7.5YR 3/4) silt, little clay, trace fine to coarse gravel, cohesive	0.4 ppm		
		FILL: White (7.5YR 8/1) silt, slight cohesive			
6		FILL: Dark reddish brown (5YR 3/4) 100% COPR, fine to medium gravel, some fine to coarse sand, little silt, trace coarse gravel, loose	0 ppm	X25C	TAL Metals, Cr+6
		NR: No recovery			
		FILL: Dark reddish brown (5YR 3/4) 100% COPR, fine to medium gravel, some fine to coarse sand and coarse gravel, loose	0 ppm		
		FILL: Very dark gray (7.5YR 3/1) to blue-ish green silt, some clay, trace organics, cohesive			
10		FILL: Brown (7.5YR 4/2) fine to coarse sand, little medium to coarse gravel, loose	0 ppm	X25D	TAL Metals, Cr+6
		NR: No recovery			
12			0 ppm		

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: X25		
		Site: PPG - Jersey City, NJ				
Start Date: 10/10/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611322.58 Y-683446.89		Depth of Boring: 24.00		
End Date: 10/10/2005		Elevation: 14.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Brown (7.5YR 5/2) fine to coarse sand and coarse gravel, loose	0 ppm		
		FILL: Black (7.5YR 2.5/1) medium to coarse gravel, some fine gravel, little fine gravel, loose, MGP-like odor, coal tar from 1.3-1.7 feet	11.3 ppm	X25E	TAL Metals, Cr+6
14		NR: No recovery	11.3 ppm		
			11.3 ppm		
16		PEAT: Very dark gray (7.5YR 3/1) peat	11.3 ppm	X25F	TAL Metals, Cr+6
			0 ppm		
18		CLAY: Dark Gray (7.5YR 4/1) clay, some silt, decreasing organics, cohesive	0 ppm	X25G	TAL Metals, Cr+6
		NR: No recovery	0 ppm		
20		SILTY SAND: Dark reddish brown (5YR 3/4) fine to medium sand and silt, little fine gravel, trace medium gravel, loose, MGP-like odor, sheen at 20.7 to 21.3 feet	0 ppm		
			0 ppm		
22		SAND: Dark reddish brown (5YR 3/4) fine to medium sand, little coarse sand, trace gravel, loose	0 ppm	X25H	TAL Metals, Cr+6
		NR: No recovery	0 ppm		
24					

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		Client: PPG		BORING ID: X25	
		Site: PPG - Jersey City, NJ			
Start Date: 10/10/2005		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611322.58 Y-683446.89		Depth of Boring: 24.00	
End Date: 10/10/2005		Elevation: 14.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

24

NULL: End of Boring at 24'

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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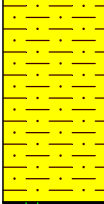
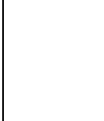

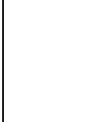
<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X26</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 10/10/2005		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611321 Y-683643		Depth of Boring: 24.00	
End Date: 10/10/2005		Elevation: 17.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		CONCRETE: White (7.5YR 8/1) fine to coarse sand and gravel concrete, loose	0 ppm	X26A	TAL Metals, Cr+6
		FILL: Reddish yellow (7.5YR 6/8) fine sand, loose			
2		FILL: Dark reddish brown (5YR 3/3) 100% COPR, fine to medium gravel, some fine to coarse sand, little coarse gravel, loose	0 ppm	X26B	TAL Metals, Cr+6
		NR: No recovery	0 ppm		
4		FILL: Dark reddish brown (5YR 3/3) 100% COPR, fine to medium gravel, some fine to coarse sand, little coarse gravel, trace brick fragments, loose	0 ppm		
		FILL: Dark reddish brown (5YR 3/3) 100% COPR, silt, little to some clay, cohesive	0 ppm		
6			0 ppm	X26C	TAL Metals, Cr+6
		NR: No recovery	0 ppm		
8		FILL: Dark reddish brown (5YR 3/3) 100% COPR, silt, some clay grading to medium to coarse gravel, little fine to coarse sand, cohesive to loose	0 ppm		
			0 ppm		
10			0 ppm	X26D	TAL Metals, Cr+6
		FILL: Dark gray (7.5YR 4/1) silt and clay, trace organics, cohesive	0 ppm		
12		NR: No recovery			

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: X26	
		Site: PPG - Jersey City, NJ			
Start Date: 10/10/2005		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611321 Y-683643		Depth of Boring: 24.00	
End Date: 10/10/2005		Elevation: 17.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Dark reddish brown (5YR 3/3) 100% COPR, medium to coarse gravel, some coarse sand and fine gravel, loose	0 ppm		
			0.2 ppm		
14		FILL: Very dark gray (7.5YR 3/1) medium and coarse gravel, ash and coal fragments, little fine sand and silt, trace medium to coarse sand, fine gravel, brick fragments, wood, loose, sheen, slight MGP-like odor	0.2 ppm	X26E	TAL Metals, Cr+6
			0.2 ppm		
16		FILL: Brown (7.5YR 4/3) silt, little fine sand and clay, cohesive NR: No recovery	0.2 ppm		
			0.2 ppm		
18		SILT: Dark reddish brown to black (5YR 3/4 to 7.5YR 2.5/1) silt, trace to some clay, trace coarse gravel, cohesive	0.2 ppm		
			0.3 ppm		
20		PEAT: Black (7.5YR 2.5/1) peat and wood NR: No recovery	1.8 ppm	X26F	TAL Metals, Cr+6
			1.8 ppm		
22		PEAT: Very dark gray (7.5YR 3/1) peat	1.8 ppm	X26G	TAL Metals, Cr+6
			0.1 ppm		
24		SILT: Dark gray (7.5YR 4/1) silt, some clay, little fine sand, cohesive NR: No recovery	2.4 ppm	X26H	TAL Metals, Cr+6
			2.4 ppm		

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		Client: PPG		BORING ID: X26	
		Site: PPG - Jersey City, NJ			
Start Date: 10/10/2005		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611321 Y-683643		Depth of Boring: 24.00	
End Date: 10/10/2005		Elevation: 17.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters





24

NULL: End of Boring at 24'

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X27</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 10/7/2005		Project: Site Investigation		Page: 1 of 5	
		Coordinates: X-611307 Y-683796		Depth of Boring: 24.00	
End Date: 10/7/2005		Elevation: 14.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: Concrete and fine to coarse gravel and fine to coarse sand, loose	0 ppm	X27A (0.3-0.8)	TAL Metals, Cr+6
		FILL: Black (7.5YR 2.5/1) coarse sand and fine to medium gravel, little fine sand, loose			
2		FILL: Red (2.5YR 4/8) coarse sand and fine to medium gravel, little fine sand, loose		X27B (1.0-1.5)	TAL Metals, Cr+6
		FILL: Dark reddish brown (7.5YR 3/2) COPR 100%, fine to medium gravel, little fine to coarse sand, loose			
		FILL: Greenish gray (GLEY 1 6/5GY) 100% waste mud, silt, little fine sand and clay, cohesive			
		FILL: Very dark greenish gray (GLEY 1 3/5GY) fine to medium gravel, little fine to coarse sand and coarse gravel, loose	0 ppm		
4		NR: No Recovery			
		FILL: Very dark greenish gray (GLEY 1 3/5GY) fine to medium gravel, little fine to coarse sand and coarse gravel, loose	12.3 ppm		
		FILL: Light reddish brown (5YR 6/4) fine sand and silt, little fine to medium gravel and medium sand, trace coarse gravel, loose	12.3 ppm		
		FILL: Very dark gray to black (GLEY 1 3/N to GLEY 1			
6					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X27</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 10/7/2005		Project: Site Investigation		Page: 2 of 5	
		Coordinates: X-611307 Y-683796		Depth of Boring: 24.00	
End Date: 10/7/2005		Elevation: 14.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

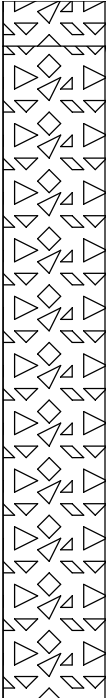
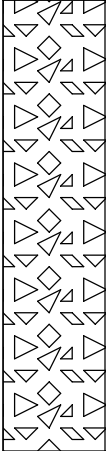
6		2.5(N) medium to coarse gravel, little fine to coarse sand and fine gravel, ash, coal fragments, little bluish-green waste mud	12.3 ppm	X27C (6.0-6.5)	TAL Metals, Cr+6
		NR: No Recovery	12.3 ppm		
8		FILL: Black (7.5YR 2.5/1) fine to medium sand and silt, little fine to medium gravel and coarse sand, loose to slight cohesive	0 ppm		
		FILL: Greenish black (GLE Y 1 2.5/10Y) fine to coarse gravel, some medium to coarse sand, loose	0 ppm		
		FILL: Dark reddish brown (2.5YR 3/4) fine to coarse sand, little silt and fin to medium gravel, trace coarse gravel, loose	0 ppm	X27D (9.2-9.7)	TAL Metals, Cr+6
		NR: No Recovery	0 ppm		
10			0 ppm		
			0 ppm		
12					

NOTES:

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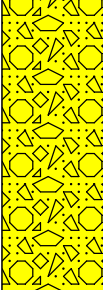
<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X27</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 10/7/2005		Project: Site Investigation		Page: 3 of 5	
		Coordinates: X-611307 Y-683796		Depth of Boring: 24.00	
End Date: 10/7/2005		Elevation: 14.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Yellowish green, fine to coarse gravel, some medium to coarse sand, loose	0 ppm		
		FILL: Dark brown (7.5YR 3/2) silt and clay, little fine sand, trace coarse sand and fine gravel, cohesive	0 ppm		
14			0 ppm	X27E (14.0-14.5)	TAL Metals, Cr+6
		NR: No Recovery	0 ppm		
16		FILL: Very dark gray to reddish brown (GLE Y 1 3/N to 5YR4/4) fine to coarse gravel, fine to coarse sand	0 ppm		
			0 ppm	X27F (17.5-18.0)	TAL Metals, Cr+6
18					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X27</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 10/7/2005		Project: Site Investigation		Page: 4 of 5	
		Coordinates: X-611307 Y-683796		Depth of Boring: 24.00	
End Date: 10/7/2005		Elevation: 14.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

18		FILL: Black (7.5YR 2.5/1) silt and clay, cohesive	0 ppm		
		NR: No Recovery	0 ppm		
20		SAND: Dark reddish brown (2.5YR 3/4) fine to coarse sand, trace fine to medium gravel, loose	0 ppm	X27G (20.0-20.5)	TAL Metals, Cr+6
		GRAVEL: Dark reddish brown (2.5YR 3/4) fine to coarse gravel, some medium to coarse sand, little fine sand and silt, loose	0 ppm		
				X27H (21.2-21.7)	TAL Metals, Cr+6
22		NR: No Recovery	0 ppm		
			0 ppm		
24					

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		Client: PPG		BORING ID: X27		
		Site: PPG - Jersey City, NJ				
Start Date: 10/7/2005		Project: Site Investigation		Page: 5 of 5		
		Coordinates: X-611307 Y-683796		Depth of Boring: 24.00		
End Date: 10/7/2005		Elevation: 14.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters







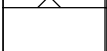
24

NULL: End of Boring at 24'

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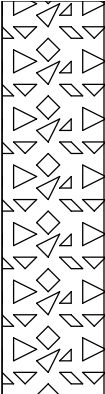

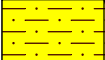

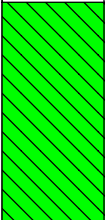
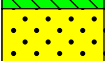
<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X28</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/7/2005		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-611312.81 Y-683887.77		Depth of Boring: 24.00		
End Date: 10/7/2005		Elevation: 17.00		Geologist: McCray, Scott		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		ASPHALT: 3.5" ASPHALT			
		FILL: GRAVEL, and medium-fine Sand, some Silt, little Wood, dry, loose		X28A0.3	Cr+6, TAL Metals, Fe2, CEC, XRD/XRF
2		FILL: Dark Reddish Brown (2.5YR 3/4) medium-fine SAND, some Silt		X28B1.5	Cr+6, TAL Metals
		CONCRETE: Pulverized CONCRETE			
4		FILL: Dark Red/Brown ASH, dry, loose			
		NR: No Recovery			
6		FILL: Same as above (SAA)			
		FILL: Light Green ASH, wet with green water		X28C5.5; X28CD5.5	Cr+6, TAL Metals, Fe2, CEC, XRD/XRF
8		NR: No Recovery			
		FILL: Light Green SILT, and fine-very fine Sand, little Clay, saturated			
10				X28D10.0	Cr+6, TAL Metals
		NR: No Recovery			
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X28</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/7/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611312.81 Y-683887.77		Depth of Boring: 24.00		
End Date: 10/7/2005		Elevation: 17.00		Geologist: McCray, Scott		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: SAA		X28E12.0	Cr+6, TAL Metals, Fe2, CEC, XRD/XRF
14					
16		CLAY: Very Dark Brown (10YR 2/2) organic CLAY, some Silt, little Meadow Mat, moist		X28F15.5	Cr+6, TAL Metals, Fe2, CEC
		SILT: Dark Brown (7.5YR 3/4) SILT, little fine-very fine Sand, firm, moist			
		CLAY: Very Dark Brown (10YR 2/2) organic CLAY, some Silt and Meadow Mat.		X28G17.5	Cr+6, TAL Metals
18		NR: No Recovery	107.7 ppm		
20		CLAY: SAA	237 ppm		
22		SAND: Dark Reddish Brown (2.5YR 3/4) coarse-fine SAND, trace Gravel and Silt		X28H22.0	Cr+6, TAL Metals
		NR: No Recovery			
24					

NOTES:

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		Client: PPG		BORING ID: X28	
		Site: PPG - Jersey City, NJ			
Start Date: 10/7/2005		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611312.81 Y-683887.77		Depth of Boring: 24.00	
End Date: 10/7/2005		Elevation: 17.00		Geologist: McCray, Scott	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

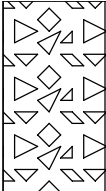

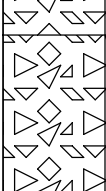

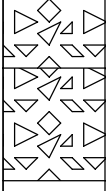

24

NULL: End of Boring at 24 ft.

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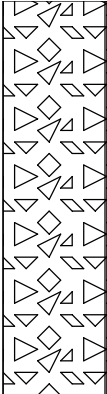
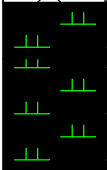
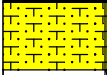

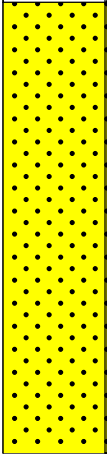
<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: X29		
		Site: PPG - Jersey City, NJ			
Start Date: 10/21/2005		Project: Site Investigation	Page: 1 of 3		
		Coordinates: X-611428 Y-682970	Depth of Boring: 24.00		
End Date: 10/21/2005		Elevation: 14.00	Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: Reddish Brown (2.5YR 4/4) fine SAND, some Silty Sand, little coarse Gravel, dry. 100% COPR.	11 ppm		
				X29A	TAL Metals, Cr+6
2		FILL: Gray (GLE Y1 6/N) medium to coarse GRAVEL, some Pebbles, little fine to coarse Sand, moist. NR: No Recovery			
4		FILL: Reddish Brown (2.5YR 4/4) SILTY SAND, some fine to coarse Sand, little fine Gravel, moist. FILL: Pale Yellow (5Y 8/3) LIME, paste, some Coal Ash, little Teal Gravel, wet. 80% Mud Waste, 20% COPR	3.0 ppm	X29B	TAL Metals, Cr+6
6		NR: No Recovery		X29C	TAL Metals, Cr+6
8		FILL: Reddish Brown (2.5YR 4/4) fine to coarse SAND, some fine to coarse Gravel, oily material, wet. 100% COPR. FILL: Light Olive Gray (5Y 6/2) SILTY SAND, some Clayey Silt, little Sandy Silt, wet. 100% Mud Waste.	10.3 ppm		
10		NR: No Recovery		X29D	TAL Metals, Cr+6
12					

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: X29		
		Site: PPG - Jersey City, NJ			
Start Date: 10/21/2005		Project: Site Investigation	Page: 2 of 3		
		Coordinates: X-611428 Y-682970	Depth of Boring: 24.00		
End Date: 10/21/2005		Elevation: 14.00	Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Gray (5Y 5/1) SANDY SILT, some fine Sand, little Silty Sand, wet. 100% Mud Waste.	229 ppm		
14				X29E	TAL Metals, Cr+6
16		PEAT: Black (5Y 2.5/1) PEAT, some Sandy Silt, little Clayey Silt, Oily Material.	68.5 ppm		
		PEAT: Black (5Y 2.5/1) PEAT, oily.			
		SILTY SAND: Reddish Brown (2.5YR 4/4) SILTY SAND, some fine Sand, little Sandy Silt, oily, wet.		X29F	TAL Metals, Cr+6
18		NR: No Recovery			
20					
		SAND: Reddish Brown (2.5YR 4/3) fine to coarse SAND, some fine to coarse Gravel, little Silty Sand, oily material, wet.	5.2 ppm		
22				X29G	TAL Metals, Cr+6
24					

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		Client: PPG			BORING ID: X29		
		Site: PPG - Jersey City, NJ					
Start Date: 10/21/2005		Project: Site Investigation			Page: 3 of 3		
		Coordinates: X-611428 Y-682970			Depth of Boring: 24.00		
End Date: 10/21/2005		Elevation: 14.00			Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

24

NULL: End of Boring at 24 ft.

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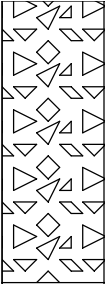
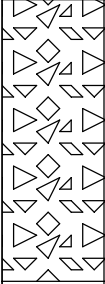
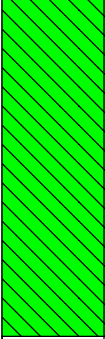
<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X3</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/5/2005		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-611013.12 Y-683163.65		Depth of Boring: 24.00		
End Date: 10/5/2005		Elevation: 14.00		Geologist: McCray, Scott		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete	N/A		
		FILL: Yellow (10YR 7/8) medium-fine SAND, trace silt, dry, loose		X3A0.6	Cr+6, TAL Metals, Fe2, CEC
		GRAVEL: Crushed GRAVEL, dry, loose	N/A		
2		FILL: Dark Grayish Brown (10YR 4/2) medium-fine SAND, some Silt, trace gravel, 100% COPR		X3B1.7	Cr+6, TAL Metals
		FILL: Dark Red medium-fine SAND, some Silt, trace gravel, 100% COPR	N/A		
		FILL: Cinder, Some Slag			
4		NR: No Recovery			
		FILL: Cinder, Some Slag, top 0.3' dry, bottom 0.6 wet, loose			
		FILL: Dark Grayish Brown (10YR 4/2) medium-fine SAND, and Silt, firm, wet			
6		FILL: Light Green SILT, some fine-very fine Sand, wet. 100% Waste Mud	N/A	X3C6.0; X3CD6.0	Cr+6, TAL Metals, Fe2, CEC, XRD/XRF
		NR: No Recovery			
8		FILL: Same as above (SAA)	N/A		
				X3D10.0	Cr+6, TAL Metals
10					
12		NR: No Recovery			

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X3</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/5/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611013.12 Y-683163.65		Depth of Boring: 24.00		
End Date: 10/5/2005		Elevation: 14.00		Geologist: McCray, Scott		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: SAA, ammonia-like odor	N/A		
14				X3E14.0	Cr+6, TAL Metals, Fe2, CEC, XRD/XRF
		NR: No Recovery			
16		FILL: SAA	N/A		
18				X3F18.0	Cr+6, TAL Metals
		NR: No Recovery			
20		CLAY: Very Dark Brown (10YR 2/2) organic CLAY, and Silt, little Meadow Mat	N/A	X3G20.0	Cr+6, TAL Metals
22					
		NR: No Recovery			
24					

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		Client: PPG		BORING ID: X3		
		Site: PPG - Jersey City, NJ				
Start Date: 10/5/2005		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611013.12 Y-683163.65		Depth of Boring: 24.00		
End Date: 10/5/2005		Elevation: 14.00		Geologist: McCray, Scott		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

24

NULL: End of Boring at 24 ft.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: X30	
		Site: PPG - Jersey City, NJ			
Start Date: 10/21/2005		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611408 Y-683146		Depth of Boring: 24.00	
End Date: 10/21/2005		Elevation: 16.00		Geologist: D. Sherman	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: Red (10R 4/4) fine SAND and SANDY SILT, some Silty Sand, trace Clayey Silt, (wood) infragments, moist. 100% COPR	0.2 ppm		
				X30A	MS/MSD
2		FILL: Light Greenish Gray (GLE1 7/1) SANDY SILT, some Silty Sand, moist. 100% Mud Waste.			
				X30B	TAL Metals, Cr+6
4		FILL: Dark Greenish Gray (GLE2 4/1) SANDY SILT, some fine Sand, little Silty Sand, moist. 100% Mud Waste	2.4 ppm		
6		FILL: Black (5YR 2.5/1) fine to medium SAND, some Sandy Silt, (coal ash) oily material, wet. 20% COPR.			
				X30C	TAL Metals, Cr+6
8		FILL: Grayish Brown (10YR 5/2) fine SAND, some Silty Sand, little Sandy Silt (coal ash), wet. 100% Mud Waste.	3.8 ppm		
10					
				X30D	TAL Metals, Cr+6
12					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X30</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 10/21/2005		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611408 Y-683146		Depth of Boring: 24.00	
End Date: 10/21/2005		Elevation: 16.00		Geologist: D. Sherman	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Same As Above (SAA), oily material	8.3 ppm		
14				X30E	TAL Metals, Cr+6
16		FILL: Grayish Brown (10YR 5/2) SILTY SAND, some fine Sand, little Sandy Silt (coal ash), oily product. 100% COPR	103-153 ppm		
18				X30F	TAL Metals, Cr+6
		PEAT: Black (10YR 2/1) PEAT, some Silty Clay, strong Hydrocarbon odor.			
		NR: No Recovery			
20		SAND: Very Dark Gray (10YR 3/1) fine to medium SAND, some Silty Sand, oily, wet.	N/A	X30G	MS/MSD
				X30H	MS/MSD
22		NR: No Recovery			
24					

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		Client: PPG	BORING ID: X30		
		Site: PPG - Jersey City, NJ			
Start Date: 10/21/2005		Project: Site Investigation	Page: 3 of 3		
		Coordinates: X-611408 Y-683146	Depth of Boring: 24.00		
End Date: 10/21/2005		Elevation: 16.00	Geologist: D. Sherman		
		Drill Subcontractor: Ameridrill	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

24	NULL: End of Boring at 24 ft.
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<div>ENSR AECOM</div>		Client: PPG			BORING ID: X31	
		Site: PPG - Jersey City, NJ				
Start Date: 10/10/2005		Project: Site Investigation			Page: 1 of 3	
		Coordinates: X-611519 Y-683560			Depth of Boring: 24.00	
End Date: 10/10/2005		Elevation: 17.00			Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill			Driller:	
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete			
		FILL: White (7.5YR 8/1) fine to coarse sand, and fine to medium gravel, loose	0 ppm	X31A	TAL Metals, Cr+6, Fe2, CEC, XRF/XRD
2		FILL: Dark reddish brown (5YR 3/4) fine sand, little silt and fine to coarse gravel, trace COPR (10-20%), loose	0 ppm	X31B	TAL Metals, Cr+6
		NR: No Recovery	0 ppm		
4		FILL: Dark reddish brown (5YR 3/4) fine sand, little silt, loose	0 ppm		
		FILL: Strong brown (7.5YR 4/6) silt, little fine sand and fine to medium gravel, trace coarse gravel, cohesive	0 ppm		
6		NR: No Recovery	0 ppm	X31C	TAL Metals, Cr+6, Fe2, CEC, XRF/XRD
		NR: No Recovery	0 ppm		
8		FILL: Black (7.5YR 2.5/1) silt, some medium to coarse gravel and ask, little fine to coarse sand, trace brick fragments, cohesive	0 ppm		
		FILL: Dark reddish brown (5YR 3/4) silt and clay, trace COPR, greenish blue from 2.7 to 3.3 feet, cohesive	0.2 ppm		
10			0.2 ppm	X31D	TAL Metals, Cr+6
			0.2 ppm		
12		NR: No Recovery			

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: X31	
		Site: PPG - Jersey City, NJ			
Start Date: 10/10/2005		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611519 Y-683560		Depth of Boring: 24.00	
End Date: 10/10/2005		Elevation: 17.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Black (7.5YR 2.5/1) fine to medium gravel and coarse sand, little coal fragments, little silt, trace fine to coarse sand, loose	0.2 ppm		
			29.7 ppm		
14		FILL: Black (7.5YR 2.5/1) coarse gravel, little fine to medium gravel, coal fragments and ash, MGP-like odor, loose	29.7 ppm	X31E	TAL Metals, Cr+6, Fe2, CEC, XRF/XRD
			29.7 ppm		
		SILT: Black (7.5YR 2.5/1) silt, little clay, trace organics, cohesive	29.7 ppm		
			29.7 ppm		
16		NR: No Recovery	29.7 ppm		
			29.7 ppm	X31F	TAL Metals, Cr+6
		PEAT: Very dark gray (7.5YR 3/1) peat	0 ppm		
			0 ppm		
18		CLAY: Brown (7.5YR 5/4) clay, little silt, cohesive	0 ppm		
			0 ppm		
		NR: No Recovery	0 ppm		
			0 ppm		
20		CLAY: Brown (7.5YR 5/4) clay, little silt, cohesive	0 ppm	X31G	TAL Metals, Cr+6
			0 ppm		
		SILT: Dark reddish brown (5YR 3/4) silt, some fine to medium gravel, little fine to coarse sand, trace coarse gravel, loose	0 ppm		
			0 ppm		
22		SAND: Dark reddish brown (5YR 3/4) fine to medium sand, little coarse sand, loose	0 ppm	X31H	TAL Metals, Cr+6
			0 ppm		
		NR: No Recovery	0 ppm		
			0 ppm		
24					

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		Client: PPG		BORING ID: X31	
		Site: PPG - Jersey City, NJ			
Start Date: 10/10/2005		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611519 Y-683560		Depth of Boring: 24.00	
End Date: 10/10/2005		Elevation: 17.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

24

NULL: End of Boring at 24'

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: X32	
		Site: PPG - Jersey City, NJ			
Start Date: 10/7/2005		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611442.44 Y-683675.19		Depth of Boring: 24.00	
End Date: 10/7/2005		Elevation: 20.00		Geologist: McCray, Scott	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		CONCRETE: 9.0" CONCRETE	0.0 ppm		
		FILL: Yellow (10YR 8/6) medium-fine SAND, trace Silt		X32A0.8	Cr+6, TAL Metals
		FILL: Reddish Brown (2.5YR 4/4) SILT, some medium-fine Sand, little coarse-medium Gravel, dry, 50% COPR		X32B1.3	Cr+6, TAL Metals
2		NR: No Recovery			
4		FILL: Reddish Brown (5YR 4/4) CLAY, and Silt, patches of Gray, 100% Waste Mud, wet	0.0 ppm		
6				X32C6.0	Cr+6, TAL Metals
		FILL: Dark Reddish Brown (2.5YR 3/3) GRAVEL (medium-fine), little coarse to medium Sand, wet, 100% COPR			
8		NR: No Recovery	0.0 ppm		
		FILL: Same as above (SAA)			
		FILL: Coal ASH, wet (coarse-medium Gravel)			
10				X32D10.0	Cr+6, TAL Metals
		NR: No Recovery			
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X32</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/7/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611442.44 Y-683675.19		Depth of Boring: 24.00		
End Date: 10/7/2005		Elevation: 20.00		Geologist: McCray, Scott		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Reddish Yellow (5YR 6/8) CLAY, and Silt, 100% Waste Mud, wet	0.3 ppm		
14		FILL: Very Dusky Red (2.5YR 2.5/2) medium-fine GRAVEL, some coarse-medium Sand, 100% COPR		X32E14.0	Cr+6, TAL Metals
16		FILL: Coal ASH, wet (coarse-medium Gravel)	2.5 ppm	X32F16.0	Cr+6, TAL Metals
18		NR: No Recovery		X32G18.0	Cr+6, TAL Metals
20		CLAY: Dusky Red (2.5YR 3/2) organic CLAY, and Silt, some Meadow Mat	0.2 ppm	X32H20.0	Cr+6, TAL Metals
22		CLAY: Dusky Red (2.5YR 3/2) organic CLAY, and Silt, little Meadow Mat			
		SAND: Very Dusky Red (2.5YR 2.5/2) medium-fine SAND, little Silt, trace Gravel		X32I22.0	Cr+6, TAL Metals
		NR: No Recovery			
24					

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		Client: PPG			BORING ID: X32		
		Site: PPG - Jersey City, NJ					
Start Date: 10/7/2005		Project: Site Investigation			Page: 3 of 3		
		Coordinates: X-611442.44 Y-683675.19			Depth of Boring: 24.00		
End Date: 10/7/2005		Elevation: 20.00			Geologist: McCray, Scott		
		Drill Subcontractor: Ameridrill			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

24

NULL: End of Boring at 24 ft.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: X33	
		Site: PPG - Jersey City, NJ			
Start Date: 10/7/2005		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611430 Y-683789		Depth of Boring: 24.00	
End Date: 10/7/2005		Elevation: 14.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: Very dark gray (7.5YR 3/1) fine sand and silt, trace clay, slight cohesive	0 ppm	X33A	TAL Metals, Cr+6, Fe2, CEC
		FILL: Dark reddish brown (5YR 3/4) 100% COPR, fine to coarse gravel, little fine to coarse sand and silt, loose		X33B	TAL Metals, Cr+6, XRD/XRF
2		NR: No recovery	0 ppm		
			0 ppm		
4		FILL: Dark reddish brown (5YR 3/4) 100% COPR, fine to coarse gravel, little fine to coarse sand and silt, loose	0 ppm		
			0 ppm		
6			0 ppm	X33C	TAL Metals, Cr+6, Fe2, CEC
		NR: No recovery	0 ppm		
8		FILL: Reddish brown to dark reddish brown (5YR 4/3 to 5YR 3/2) silt, little clay, trace fine sand, sheen noted, slight cohesive	22.8 ppm		
		FILL: Dark gray (7.5YR 4/1) medium to coarse gravel, little coarse sand, sheen noted, coal-tar-like odor, loose	22.8 ppm		
10		FILL: Dark brown (7.5YR 3/2) silt, little clay, trace fine sand, slight cohesive	22.8 ppm	X33D	TAL Metals, Cr+6
		NR: No recovery	22.8 ppm		
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: X33	
		Site: PPG - Jersey City, NJ			
Start Date: 10/7/2005		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611430 Y-683789		Depth of Boring: 24.00	
End Date: 10/7/2005		Elevation: 14.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Dark gray (7.5YR 4/1) medium to coarse gravel, little coarse sand, sheen noted, coal-tar-like odor, loose	4.6 ppm		
				X33E	TAL Metals, Cr+6, Fe2, CEC, XRD/XRF
14		PEAT: Black (7.5YR 2.5/1) peat	4.6 ppm		
16		SILT: Brown (7.5YR 4/3) silt, some clay, decreasing organics, cohesive	4.6 ppm		
18		NR: No recovery	4.6 ppm		
20		SAND: Dark reddish brown (2.5YR 3/4) fine to medium sand, trace fine to medium gravel and silt, slight cohesive	0.6 ppm		
22		GRAVEL: Dark reddish brown (2.5YR 3/4) coarse gravel, loose	0.6 ppm	X33F	TAL Metals, Cr+6
24		SAND: Dark reddish brown (2.5YR 3/4) fine to medium sand, trace fine to medium gravel and silt, slight cohesive	0.6 ppm		
		NR: No Recovery	0.6 ppm		
		SILTY SAND: Dark reddish brown (2.5YR 3/4) fine to coarse sand and silt, some fine to medium gravel, trace coarse gravel, loose	0 ppm		
		NR: No Recovery	0 ppm	X33G	TAL Metals, Cr+6
		NR: No Recovery	0 ppm		
		NR: No Recovery	0 ppm		

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		Client: PPG		BORING ID: X33		
		Site: PPG - Jersey City, NJ				
Start Date: 10/7/2005		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611430 Y-683789		Depth of Boring: 24.00		
End Date: 10/7/2005		Elevation: 14.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

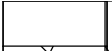
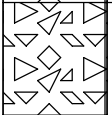
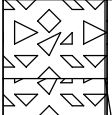
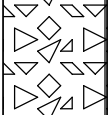
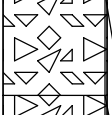
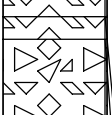

24

NULL: End of Boring at 24'

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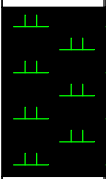
<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X34</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 10/10/2005		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611445 Y-683460		Depth of Boring: 24.00	
End Date: 10/10/2005		Elevation: 17.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete	0.1 ppm	X34A	TAL Metals, Cr+6
		FILL: Strong brown (7.5YR 5/8) fine sand, loose, clay at 0.1-0.3 and 0.8-0.9 feet			
2		FILL: Dark reddish brown (5YR 3/2) 100% COPR, medium to coarse sand and fine gravel, some silt and fine sand, little medium to coarse gravel, loose	0.1 ppm	X34B; X34BD	TAL Metals, Cr+6
		NR: No Recovery	0.1 ppm		
4		FILL: Dark reddish brown (5YR 3/2) 100% COPR, coarse sand and fine gravel, some fine to medium sand and silt, little medium to coarse gravel, trace brick fragments, loose	0.1 ppm		
		FILL: Dark reddish brown (5YR 3/3) clay and silt, trace of fine gravel, cohesive	0 ppm		
6			0 ppm	X34C	TAL Metals, Cr+6
			0 ppm		
8		NR: No Recovery	0 ppm		
		FILL: Dark reddish brown (5YR 3/3) 100% COPR fine to medium gravel, some coarse sand, little fine sand and silt, loose	0 ppm		
10		FILL: Dark reddish brown (5YR 3/3) clay and silt, little medium to coarse gravel, dissolved COPR, cohesive	0 ppm	X34D	TAL Metals, Cr+6
		FILL: Dark reddish brown (5YR 3/3) clay and silt, some medium to coarse gravel, little fine sand, dissolved COPR, cohesive	0 ppm		
12		FILL: Greenish blue, clay and silt, cohesive	0 ppm		
		FILL: Dark reddish brown (5YR 3/3) clay and silt, little			

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: X34	
		Site: PPG - Jersey City, NJ			
Start Date: 10/10/2005		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611445 Y-683460		Depth of Boring: 24.00	
End Date: 10/10/2005		Elevation: 17.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		fine to medium gravel, cohesive	0 ppm		
		NR: No Recovery			
		FILL: Black (7.5YR 2.5/1) fine to coarse sand, fine to medium gravel, little silt and coarse gravel, slightly cohesive	0.5 ppm	X34E	TAL Metals, Cr+6
14		FILL: Black (7.5YR 2.5/1) fine to coarse gravel and ash, trace shells, trace medium to coarse sand, loose	0.5 ppm		
		NR: No Recovery	0.5 ppm		
16		FILL: Black (7.5YR 2.5/1) fine to medium sand and silt, little fine to coarse gravel, slight cohesive, coal tar and MGP-like odor	0.5 ppm		
			1.4 ppm	X34F	TAL Metals, Cr+6
		CLAY: Black (7.5YR 2.5/1) clay, little silt, cohesive			
18		NR: No Recovery	9.0 ppm		
			9.0 ppm		
20		PEAT: Very dark gray (7.5YR 3/1) peat	9.0 ppm	X34G	TAL Metals, Cr+6
			269 ppm		
22		CLAYEY SILT: Dark gray (7.5YR 4/1) clay and silt, trace organics, cohesive	269 ppm	X34H	TAL Metals, Cr+6
		NR: No Recovery	269 ppm		
24					

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		Client: PPG		BORING ID: X34	
		Site: PPG - Jersey City, NJ			
Start Date: 10/10/2005		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611445 Y-683460		Depth of Boring: 24.00	
End Date: 10/10/2005		Elevation: 17.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

24

NULL: End of Boring at 24'

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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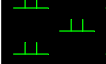
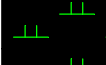
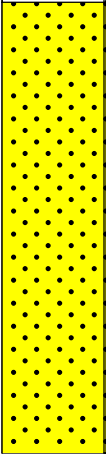
<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: X35		
		Site: PPG - Jersey City, NJ			
Start Date: 10/17/2005		Project: Site Investigation	Page: 1 of 3		
		Coordinates: X-611378 Y-682876	Depth of Boring: 24.00		
End Date: 10/17/2005		Elevation: 11.00	Geologist: S. McCray		
		Drill Subcontractor: Ameridrill	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		NR: Soft Dig 0'-5.5', No Recovery 0'-2'	0.0 ppm		
2		FILL: Brown (7.5YR 4/3) SILT, little medium to fine Sand, trace Brick and Gravel, dry. (Hand Augered for Sample)	N/A	X35A	Cr+6, TAL Metals
4		NR: No Recovery	0.3 ppm		
6		FILL: Dusky red (2.5YR 3/2) fine to very fine SAND, some Silt, little Gravel, damp to wet.		X35B	Cr+6, TAL Metals
8		NR: No Recovery	0.3 ppm		
		FILL: Same As Above (SAA)			
		FILL: Black fine to medium subangular GRAVEL (coal), little medium to fine Sand and Silt, trace Glass, yellow water present.		X35C	Cr+6, TAL Metals
10		FILL: Brown (7.5YR 4/3) SILT, trace fine to very fine Sand			
		NR: No Recovery			
12					

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: X35		
		Site: PPG - Jersey City, NJ			
Start Date: 10/17/2005	Project: Site Investigation		Page: 2 of 3		
	Coordinates: X-611378 Y-682876		Depth of Boring: 24.00		
End Date: 10/17/2005	Elevation: 11.00		Geologist: S. McCray		
	Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12			N/A		
14					
16		FILL: Dusky red (10R 3/4) medium to very fine SAND, little Silt, trace Gravel.	0.0 ppm	X35D	Cr+6, TAL Metals
		PEAT: Very dark gray (2.5YR 3/0) organic CLAY, little Silt and Meadow Mat.		X35E	Cr+6, TAL Metals
18		PEAT: Dark gray (2.5YR 4/0) Same As Above (SAA)			
		NR: No Recovery			
20		SAND: Gray (N6) medium to fine SAND, wood at 20.5'-20.7', wet at base, damp at top.	0.0 ppm		
22				X35F	Cr+6, TAL Metals
24					

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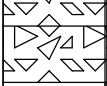






		Client: PPG	BORING ID: X35		
		Site: PPG - Jersey City, NJ			
Start Date: 10/17/2005		Project: Site Investigation	Page: 3 of 3		
		Coordinates: X-611378 Y-682876	Depth of Boring: 24.00		
End Date: 10/17/2005		Elevation: 11.00	Geologist: S. McCray		
		Drill Subcontractor: Ameridrill	Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

24	NULL: End of Boring at 24 ft.
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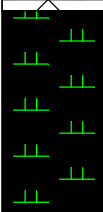

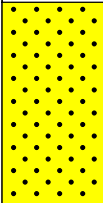
<div>ENSR AECOM</div>		Client: PPG		BORING ID: X36		
		Site: PPG - Jersey City, NJ				
Start Date: 10/17/2005		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-611526 Y-683005		Depth of Boring: 24.00		
End Date: 10/17/2005		Elevation: 11.00		Geologist: S. McCray		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		ASPHALT: (Soft Dig 0'-6') ASPHALT	0.0 ppm		
		FILL: Coarse and angular GRAVEL		X36A	Cr+6, TAL Metals
		FILL: Dark reddish brown (2.5YR 3/4) coarse to fine SAND, some gray angular and dark reddish brown sub-rounded Gravel. 75% COPR. (Hand Augered for Sample)			
2			0.0 ppm	X36B; X36BD	Cr+6, TAL Metals
		NR: No Recovery			
		FILL: Very dark gray (2.5YR 3/0) GRAVEL, and coarse to fine Sand, little Silt. (Hand Augered for Sample)			
4		NR: No Recovery	0.0 ppm		
6		FILL: Very dark gray (2.5YR 3/0) SILT, and Wood, trace Glass and Brick, damp.	0.0 ppm	X36C	Cr+6, TAL Metals
		FILL: Very dark gray (5YR 3/1) CLAY and SILT, trace fine to very fine Sand, damp to wet			
8		NR: No Recovery	0.0 ppm		
		FILL: Dusky red (10R 3/3) SILT, some fine to very fine Sand, damp to wet.			
		FILL: Dark reddish brown (5YR 3/2) Same as above (SAA)			
10				X36D	Cr+6, TAL Metals
		NR: No Recovery			
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: X36	
		Site: PPG - Jersey City, NJ			
Start Date: 10/17/2005		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611526 Y-683005		Depth of Boring: 24.00	
End Date: 10/17/2005		Elevation: 11.00		Geologist: S. McCray	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12			0.0 ppm		
14					
16		FILL: Reddish brown (2.5YR 4/4) fine to very fine SAND, little Silt, damp to wet	0.0 ppm	X36E	Cr+6, TAL Metals
		PEAT: PEAT, moist			
18		SAND: Gray (GLE Y N5) medium to very fine SAND, little Meadow Mat, damp			
		NR: No Recovery			
20		SAND: Gray SAA, wet			
				X36F	Cr+6, TAL Metals
22		NR: No Recovery			
24					

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		Client: PPG		BORING ID: X36	
		Site: PPG - Jersey City, NJ			
Start Date: 10/17/2005		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611526 Y-683005		Depth of Boring: 24.00	
End Date: 10/17/2005		Elevation: 11.00		Geologist: S. McCray	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters



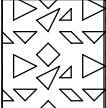


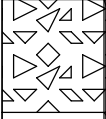
24

NULL: End of Boring at 24 ft.

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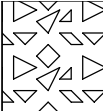

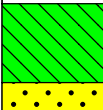
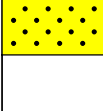

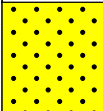
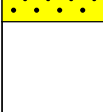
<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X37</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 10/17/2005		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611618 Y-683083		Depth of Boring: 24.00	
End Date: 10/17/2005		Elevation: 15.00		Geologist: S. McCray	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		ASPHALT: (Soft Dig 0'-6') ASPHALT	0.0 ppm		
		FILL: GRAVEL			
		FILL: Medium to very fine SAND, some Brick and Coal Ash. (Hand Augered for Sample)		X37A	Cr+6, TAL Metals, Fe2, CEC
2		NR: No Recovery			
			0.0 ppm		
4					
6		FILL: Dark gray medium to very fine SAND (Coal Ash), some fine Gravel, dry, loose.		X37B	Cr+6, TAL Metals, Fe2, CEC, XRD/XRF
		NR: No Recovery			
8		FILL: Reddish brown (2.5YR 4/3) fine-very fine SAND, some Silt, wet.	0.5 ppm		
		FILL: Organic SILT, some Clay, little Meadow Mat, moist, H2S and petroleum-like odor		X37C	Cr+6, TAL Metals
10		NR: No Recovery			
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X37</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 10/17/2005		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611618 Y-683083		Depth of Boring: 24.00	
End Date: 10/17/2005		Elevation: 15.00		Geologist: S. McCray	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Reddish brown (2.5YR 4/3) SILT, some fine to very fine Sand, wet	0.7 ppm		
		FILL: Organic SILT, some Clay, wet.		X37D	Cr+6, TAL Metals, Fe2, CEC, XRD/XRF
14		NR: No Recovery	0.8 ppm		
				X37E	Cr+6, TAL Metals
16		CLAY: Organic CLAY, some Silt, little Meadow Mat, moist.	0.8 ppm		
18		SAND: Gray (Gley N5) medium to very fine SAND, little Silt, wet.	0.0 ppm		
20		NR: No Recovery			
22		SAND: Same As Above (SAA)	0.0 ppm		
				X37F	Cr+6, TAL Metals
24		SAND: Reddish brown (2.5YR 4/4) medium to fine SAND, little subangular to rounded Gravel and Silt			
		NR: No Recovery			

NOTES:

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		Client: PPG		BORING ID: X37		
		Site: PPG - Jersey City, NJ				
Start Date: 10/17/2005		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611618 Y-683083		Depth of Boring: 24.00		
End Date: 10/17/2005		Elevation: 15.00		Geologist: S. McCray		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters





24

NULL: End of Boring at 24 ft.

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: X38		
		Site: PPG - Jersey City, NJ			
Start Date: 10/17/2005	Project: Site Investigation		Page: 1 of 3		
	Coordinates: X-611723 Y-683199		Depth of Boring: 24.00		
End Date: 10/17/2005	Elevation: 17.00		Geologist: S. McCray		
	Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

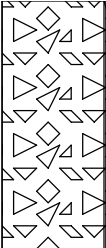
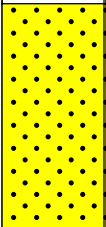
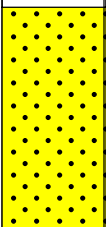
0		NR: Soft Dig 0'-6', No Recovery	N/A		
2			N/A		
4			23.2 ppm		
6		FILL: Dark brown (7.5YR 3/2) fine to very fine SAND, some Silt, trace Gravel, wet.		X38A	Cr+6, TAL Metals
		NR: No Recovery			
8		FILL: Dusky red (10R 3/3) medium to fine SAND, some Silt, little Gravel, wet.	52.7-77.0 ppm		
		FILL: GRAVEL (Coal Ash), wet			
10		FILL: Very dark gray (2.5YR 3/0) fine to very fine SAND, little Silt, damp.		X38B	Cr+6, TAL Metals
		FILL: Dusky red (10R 3/3) medium to fine SAND, damp.			
		FILL: Dark reddish brown (5YR 3/3) SILT, trace fine to very fine Sand, moist.			
12					

NOTES:

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X38</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/17/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611723 Y-683199		Depth of Boring: 24.00		
End Date: 10/17/2005		Elevation: 17.00		Geologist: S. McCray		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		NR: No Recovery	46.0 ppm		
14		FILL: Olive (5Y 3/3) SILT, some fine to very fine Sand, damp to wet.		X38C	Cr+6, TAL Metals
16		NR: No Recovery	0.0 ppm		
18		SAND: Dusky red (10R 3/3) medium to fine SAND, some Silt, little Gravel, wet.		X38D	Cr+6, TAL Metals
20		NR: No Recovery	0.0 ppm		
22		SAND: Dusky red (10R 3/3) medium to fine SAND, trace Silt		X38E	Cr+6, TAL Metals
24		NR: No Recovery			

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		Client: PPG			BORING ID: X38		
		Site: PPG - Jersey City, NJ					
Start Date: 10/17/2005		Project: Site Investigation			Page: 3 of 3		
		Coordinates: X-611723 Y-683199			Depth of Boring: 24.00		
End Date: 10/17/2005		Elevation: 17.00			Geologist: S. McCray		
		Drill Subcontractor: Ameridrill			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

24

NULL: End of Boring at 24 ft.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X4</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/3/2005		Project: Site Investigation		Page: 1 of 5		
		Coordinates: X-610957 Y-683320		Depth of Boring: 24.00		
End Date: 10/3/2005		Elevation: 15.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete			
		FILL: Light gray (7.5YR 7/1) fine to coarse sand and gravel, loose	N/A	X4A	TAL Metals and Cr+6
		FILL: Strong brown (7.5YR 4/6) fine sand, loose	0 ppm		
		FILL: Strong brown (7.5YR 4/6) clay, little silt, loose			
		FILL: Dark brown (7.5YR 3/3) fine sand, trace fine gravel, loose			
2		FILL: Reddish brown (5YR 4/3) COPR 100% medium gravel, some silt, trace fine to medium sand, loose	0 ppm	X4B	TAL Metals and Cr+6
		FILL: White (7.5YR 8/1) clay and silt ash, slight cohesive			
		FILL: Dark gray (7.5YR 4/1) COPR 80% fine to medium gravel, trace silt, little fine to medium sand	0 ppm		
		FILL: Strong brown (7.5YR 4/6) COPR 80% fine to medium gravel, trace silt, little fine to medium sand			
		FILL: Light reddish brown (5YR 6/4) COPR 80% fine to medium gravel, trace silt, little fine to medium sand			
4		FILL: Reddish brown (5YR 4/3) COPR 80% fine to medium gravel, trace silt, little fine to medium sand	0 ppm		
		NR: No Recovery			
		FILL: Reddish brown to dark reddish brown (5YR 4/3 to 5YR 4/2) COPR 100% fine to medium gravel, some silt, trace fine to medium sand, loose	0 ppm		
		FILL: Bright green COPR and ash 100% fine to medium gravel, little fine to coarse sand, loose			
		FILL: Dark brown (7.5YR 3/3) silt and gravel, slight cohesive			
6					

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: X4		
		Site: PPG - Jersey City, NJ			
Start Date: 10/3/2005	Project: Site Investigation		Page: 2 of 5		
	Coordinates: X-610957 Y-683320		Depth of Boring: 24.00		
End Date: 10/3/2005	Elevation: 15.00		Geologist: Richard Firely		
	Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

6		FILL: Reddish brown (5YR 4/3) silt, little medium gravel, light cohesive	0 ppm	X4BC	TAL Metals and Cr+6
		FILL: Reddish brown (5YR 4/3) silt, little fine sand, trace fine-coarse gravel, slight cohesive			
		FILL: Weak red (2.5YR 4/2) coarse gravel, loose	0 ppm		
		FILL: Black (7.5YR 2.5/1) silt, little organic, trace clay, cohesive			
		NR: No Recovery			
8		FILL: Reddish brown to very dark gray (5YR 4/3 to 5YR 3/1) fine sand and silt, little fine to coarse gravel, trace medium to coarse sand, loose	0 ppm		
			0	X4D	TAL Metals and Cr+6
			0 ppm		
10			0 ppm		
			0 ppm		
12					

NOTES:

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: X4		
		Site: PPG - Jersey City, NJ				
Start Date: 10/3/2005		Project: Site Investigation		Page: 3 of 5		
		Coordinates: X-610957 Y-683320		Depth of Boring: 24.00		
End Date: 10/3/2005		Elevation: 15.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Dark brown (7.5YR 3/4) fine to medium gravel, some silt, loose	0 ppm		
		FILL: Gray (7.5YR 6/1) fine to medium gravel, some silt, loose			
		FILL: Dark brown (7.5YR 3/2) fine sand and silt, little fine gravel, slight cohesive	0 ppm		
		FILL: Black (7.5YR 2.5/3) coal and coal ash, loose	0	X4E	TAL Metals and Cr+6
14		NR: No Recovery	0 ppm		
			0 ppm		
16		PEAT: Very dark gray (7.5YR 3/1) peat	0 ppm		
			0 ppm	X4F	TAL Metals and Cr+6
		NR: No Recovery			
18					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X4</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/3/2005		Project: Site Investigation		Page: 4 of 5		
		Coordinates: X-610957 Y-683320		Depth of Boring: 24.00		
End Date: 10/3/2005		Elevation: 15.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

18			0 ppm		
			0 ppm		
20			0 ppm		
		SILTY SAND: Gray (7.5YR 5/1) fine sand and silt, trace fine to medium gravel, slight cohesive	0 ppm		
		SILTY SAND: Dark reddish brown (2.5YR 3/3) fine sand and silt, trace fine to medium gravel, slight cohesive	0 ppm	X4G	TAL Metals and Cr+6
		NR: No Recovery	0 ppm		
22			0 ppm		
			0 ppm		
24					

NOTES:

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		Client: PPG		BORING ID: X4		
		Site: PPG - Jersey City, NJ				
Start Date: 10/3/2005		Project: Site Investigation		Page: 5 of 5		
		Coordinates: X-610957 Y-683320		Depth of Boring: 24.00		
End Date: 10/3/2005		Elevation: 15.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

24

NULL: End of Boring at 24 ft.

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG			BORING ID: X5		
		Site: PPG - Jersey City, NJ					
Start Date: 10/5/2005		Project: Site Investigation			Page: 1 of 3		
		Coordinates: X-610959 Y-683441			Depth of Boring: 24.00		
End Date: 10/5/2005		Elevation: 15.00			Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete	0	X5A	TAL Metals, Cr+6
		FILL: Strong brown (7.5YR 5/6) fine sand, trace silt, loose	0 ppm		
		FILL: Red (2.5YR 4/6) fine to coarse brick gravel, some fine to coarse sand, loose	0	X5B	TAL Metals, Cr+6
2			0 ppm		
		FILL: Very dark gray (7.5YR 3/1) coarse sand and fine to medium gravel, loose	0 ppm		
		FILL: Strong brown (7.5YR 5/6) fine sand and silt, slight cohesive	0 ppm		
4		FILL: Light reddish brown (5YR 6/4) waste mud, fine to coarse gravel, little silt, trace wood, loose	0 ppm		
		NR: No Recovery			
		FILL: Strong brown (7.5YR 5/6) fine to medium gravel, little silt and coarse gravel, little fine to coarse sand, loose	N/A	X5C	TAL Metals, Cr+6
6		FILL: Reddish brown (5YR 5/4) waste mud, fine sand and silt, trace medium to coarse gravel, slight cohesive			
		FILL: Very dark gray (7.5YR 3/1) silt, little fine sand, little fine to medium gravel, trace clay, slight cohesive			
8		NR: No Recovery			
		FILL: Strong brown (7.5YR 5/6) medium to coarse gravel, some silt, little fine to coarse sand, loose	0 ppm		
10		FILL: Gray (7.5YR 5/1) medium to coarse gravel, little silt and coarse sand and fine gravel, ash, loose	0 ppm	X5D	TAL Metals, Cr+6
			0 ppm		
12		NR: No Recovery			

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X5</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/5/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610959 Y-683441		Depth of Boring: 24.00		
End Date: 10/5/2005		Elevation: 15.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Gray (7.5YR 5/1) medium to coarse gravel, little silt and coarse sand and fine gravel, ash, loose	0 ppm		
			0 ppm	X5E	TAL Metals, Cr+6
14		NR: No Recovery	0 ppm		
			0 ppm		
16		FILL: Very dark gray (7.5YR 3/1) silt, little fine sand, trace fine gravel and organics, cohesive	0 ppm		
		PEAT: Black (7.5YR 2.5/1) peat	0 ppm	X5F	TAL Metals, Cr+6
18			0 ppm		
		NR: No recovery	0 ppm		
20		SILTY SAND: Dark gray (7.5YR 4/1) fine sand and silt, little clay, cohesive	0 ppm		
		GRAVEL: Dark reddish brown (2.5YR 3/4) fine to coarse gravel, little fine to medium sand, loose	0 ppm	X5G	TAL Metals, Cr+6
22		NR: No recovery	0 ppm		
			0 ppm		
24					

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		Client: PPG		BORING ID: X5	
		Site: PPG - Jersey City, NJ			
Start Date: 10/5/2005		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-610959 Y-683441		Depth of Boring: 24.00	
End Date: 10/5/2005		Elevation: 15.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

24

NULL: End of Boring at 24'

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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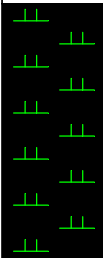
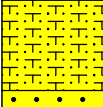
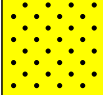
<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X6</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 10/4/2005		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-610971 Y-683561		Depth of Boring: 24.00	
End Date: 10/4/2005		Elevation: 14.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		FILL: Brown (7.5YR 4/3) fine sand and silt, organics, loose	0	X6A	TAL Metals, Cr+6
		FILL: Brown (7.5YR 5/3) fine to coarse sand, trace fine gravel, loose	0 ppm	X6B	TAL Metals, Cr+6
2		FILL: Strong brown (7.5YR 5/8) fine to medium sand, quartz gravel, loose	0 ppm		
		FILL: Dark brown (7.5YR 3/2) COPR 75%, medium to coarse sand and fine gravel, green staining 2.5 to 3.2, some fine sand and medium to coarse gravel, loose	0 ppm		
4		NR: No recovery	0 ppm		
		FILL: Very dark gray to reddish brown (7.5YR 3/1 to 5YR4/4) fine to coarse sand, fine gravel, little medium gravel, trace silt and coarse gravel, loose	0 ppm	X6C	TAL Metals, Cr+6
6		FILL: Gray (GLEYS 1 5/N) medium to coarse gravel, some fine gravel, trace find to coarse sand, loose			
		FILL: Dark reddish gray (2.5YR 4/1) waste mud 100%, fine sand and silt, little clay, trace medium to coarse gravel, cohesive	N/A	X6D	TAL Metals, Cr+6
8		FILL: Dark brown (7.5YR 3/2) fine sand and silt, trace fine gravel, slight cohesive			
		FILL: Reddish brown (2.5YR 4/3) medium to coarse gravel, loose	0 ppm	X6E	TAL Metals, Cr+6
10		FILL: Reddish brown (2.5YR 4/3) fine sand and silt, trace clay, cohesive	0 ppm		
		FILL: Black (7.5YR 2.5/1) fine sand and silt, trace clay, cohesive	0 ppm		
12		NR: No recovery			

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X6</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/4/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610971 Y-683561		Depth of Boring: 24.00		
End Date: 10/4/2005		Elevation: 14.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Brown (7.5YR 4/2) silt, little clay, trace fine sand, cohesive	0 ppm	X6F	TAL Metals, Cr+6
		NR: No recovery	0 ppm		
14			0 ppm		
			0 ppm		
16		PEAT: Black (7.5YR 2.5/1) peat	21.9 ppm		
			21.9 ppm		
18			21.9 ppm	X6G	TAL Metals, Cr+6
		NR: No recovery	21.9 ppm		
20		SILTY SAND: Very dark gray (7.5YR 3/1) fine sand and silt, trace organics and medium to coarse sand, slight cohesive	0 ppm		
		SAND: Gray (7.5YR 5/1) fine sand, slight cohesive	0 ppm	X6H	TAL Metals, Cr+6
22		NR: No recovery	0 ppm		
			0 ppm		
24					

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		Client: PPG		BORING ID: X6		
		Site: PPG - Jersey City, NJ				
Start Date: 10/4/2005		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-610971 Y-683561		Depth of Boring: 24.00		
End Date: 10/4/2005		Elevation: 14.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters







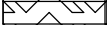
24

NULL: End of Boring at 24'

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X7</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/5/2005		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-611044 Y-683290		Depth of Boring: 24.00		
End Date: 10/5/2005		Elevation: 14.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete	N/A	X7AD	TAL Metals, Cr+6
		FILL: Strong brown (7.5YR 5/8) fine sand, slight cohesive	NA		
2		FILL: Dark reddish brown (5YR 3/3) COPR 100%, fine to medium gravel, some fine sand and silt, little coarse sand and coarse gravel, loose	N/A NA	X7B	TAL Metals, Cr+6
		FILL: Reddish yellow (7.5YR 6/8) fine sand and silt, little medium to coarse sand, trace fine to coarse gravel, loose	NA		
4		FILL: Bright green with some reddish brown (5YR 4/4) 100% waste mud, fine to medium sand and silt, trace coarse sand and fine to medium gravel, loose	NA		
		NR: No Recovery	NA		
6		FILL: Dark greenish gray (GLEY 14/10GY) 100% waste mud, fine sand and silt, little medium sand, trace coarse sand and fine gravel, slight cohesive	N/A	X7C	TAL Metals, Cr+6
		FILL: Dark reddish brown (5YR 3/4) fine sand and silt, slight cohesive	NA		
8		FILL: Dark reddish brown to dark greenish gray (5YR 3/4 to GLEY 1 4/10GY) 100% waste mud, fine sand and silt, bright green medium sand and fine gravel at 2.7 to 2.9, slight cohesive	NA		
		FILL: Dark reddish brown to dark greenish gray (5YR 3/4 to GLEY 1 4/10GY) 100% waste mud, fine sand and silt, little medium sand, trace coarse sand and fine gravel, slight cohesive	NA		
10			N/A	X7D	TAL Metals, Cr+6
			NA		
12					

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X7</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 10/5/2005		Project: Site Investigation		Page: 2 of 3	
		Coordinates: X-611044 Y-683290		Depth of Boring: 24.00	
End Date: 10/5/2005		Elevation: 14.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

12		FILL: Reddish brown (5YR 4/3) fine sand and silt, little coarse sand and fine gravel, slight cohesive	NA		
		FILL: Very dark gray (7.5YR 3/1) fine to coarse gravel, little fine to coarse sand, little fine gravel, loose	NA		
14		FILL: Reddish brown (5YR 5/4) 100% waste mud, fine to coarse sand, little fine gravel, bright green coarse gravel at 12.7 to 12.8 feet, loose	N/A	X7E	TAL Metals, Cr+6
		NR: No Recovery	NA		
16		CLAYEY SILT: Black (7.5YR 2.5/1) clay and silt, little organics, cohesive	N/A	X7F	TAL Metals, Cr+6
		PEAT: Black (7.5YR 2.5/1) peat	NA		
18		NR: No Recovery	NA		
			NA		
20		CLAYEY SILT: Black (7.5YR 2.5/1) clay and silt, little organics, cohesive	NA		
			NA		
22		SAND: Dark gray (7.5YR 4/1) fine sand, silt and clay, cohesive	N/A	X7G	TAL Metals, Cr+6
		NR: No Recovery	NA		
			NA		
24					

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		Client: PPG		BORING ID: X7	
		Site: PPG - Jersey City, NJ			
Start Date: 10/5/2005		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-611044 Y-683290		Depth of Boring: 24.00	
End Date: 10/5/2005		Elevation: 14.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

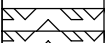

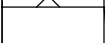




24

NULL: End of Boring at 24'

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X8</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/4/2005		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-610951 Y-683518		Depth of Boring: 24.00		
End Date: 10/4/2005		Elevation: 15.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete	0	X8A	TAL Metals, Cr+6
		FILL: White (7.5YR 8/1) fine to coarse sand and gravel, loose	0 ppm	X8B	TAL Metals, Cr+6
2		FILL: Strong brown (7.5YR 5/6) fine sand, trace silt, slight cohesive	0 ppm		
		FILL: Dark reddish brown (5YR 3/3) COPR 100% fine to medium gravel, little medium to coarse sand, loose	0 ppm		
4		FILL: Very dark gray (7.5YR 3/1) COPR 10% fine to coarse sand and fine to medium gravel, ash, trace green stained soil, trace coal fragments, loose	0 ppm		
		NR: No recovery	0.2 ppm		
6		FILL: Green stained medium to coarse, quartz gravel, wood, little medium to coarse sand, loose	0.2 ppm	X8C	TAL Metals, Cr+6
		FILL: Brown (7.5YR 4/4) degraded wood, fibrous	0.2 ppm		
8		FILL: Dark brown (7.5YR 3/2) medium to coarse sand and fine to medium gravel, trace fine sand and silt, wood at 2.5 to 2.6 feet, loose	0.2 ppm		
		NR: No recovery	0.2 ppm		
10		FILL: Gray (7.5YR 5/1) medium to coarse gravel, some fine to coarse sand and ash, little silt, trace wood, loose	0.1 ppm	X8D	TAL Metals, Cr+6
			0.1 ppm		
12		NR: No recovery	0.1 ppm		
			0.1 ppm		

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X8</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/4/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-610951 Y-683518		Depth of Boring: 24.00		
End Date: 10/4/2005		Elevation: 15.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Black (7.5YR 2.5/1) medium to coarse gravel, loose	0 ppm		
		NR: No recovery	0 ppm		
14			0 ppm		
			0 ppm		
16		FILL: Dark brown (7.5YR 3/4) silt and clay, trace organics, cohesive	0 ppm	X8F	TAL Metals, Cr+6
		PEAT: Black (7.5YR 2.5/1) peat	0 ppm		
18		NR: No recovery	0 ppm		
			0 ppm		
20		PEAT: Black (7.5YR 2.5/1) peat	0 ppm		
		SAND: Gray (7.5YR 5/1) fine sand, some silt, trace medium gravel, slight cohesive	0 ppm		
		SILTY SAND: Dark reddish brown (2.5YR 3/4) fine sand and silt, some medium to coarse sand, little fine to coarse gravel, loose	0	X8G	TAL Metals, Cr+6
22		NR: No recovery	0 ppm		
			0 ppm		
24					

NOTES:

Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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		Client: PPG		BORING ID: X8	
		Site: PPG - Jersey City, NJ			
Start Date: 10/4/2005		Project: Site Investigation		Page: 3 of 3	
		Coordinates: X-610951 Y-683518		Depth of Boring: 24.00	
End Date: 10/4/2005		Elevation: 15.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

24

NULL: End of Boring at 24'

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X9</div>	
		Site: PPG - Jersey City, NJ			
Start Date: 10/5/2005		Project: Site Investigation		Page: 1 of 3	
		Coordinates: X-611080 Y-683318		Depth of Boring: 24.00	
End Date: 10/5/2005		Elevation: 15.00		Geologist: Richard Firely	
		Drill Subcontractor: Ameridrill		Driller:	
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

0		CONCRETE: Concrete			
		FILL: Dark brown (7.5YR 3/4) fine sand, loose	N/A	X9A	TAL Metals, Cr+6
		FILL: Dark reddish brown (5YR 3/4) COPR 100% fine to coarse gravel, little fine sand and silt, loose	N/A	X9B X9C	TAL Metals, Cr+6 TAL Metals, Cr+6, XRC/XRF
		FILL: White (7.5YR 8/1) with yellow-green tint, silt and medium to coarse gravel, loose	N/A		
		FILL: Strong brown (7.5YR 5/6) silt and clay, little fine sand, cohesive	N/A		
		FILL: Dark reddish brown (5YR 3/2) fine to coarse gravel and coarse sand, ash/slag, loose	N/A		
		NR: No recovery	N/A		
		FILL: Dark greenish gray (GLE Y 1 4/10GY) 100% waste mud, fine sand and silt, little medium sand, trace clay, cohesive	N/A	X9D	TAL Metals, Cr+6
		FILL: Black (7.5YR 2.5/1) medium to coarse gravel, little fine to coarse sand, fine gravel and silt, loose	N/A		
		FILL: Dark greenish gray (GLE Y 1 4/10GY) 100% waste mud, fine sand and silt, little medium sand, trace clay, bright green from 3.1 to 3.4 feet, loose	N/A		
		FILL: Reddish yellow (7.5YR 6/8) fine sand and silt, little medium to coarse sand and fine gravel, loose	N/A		
		FILL: Dark greenish gray to reddish brown (GLE Y 1 4/10GY to 5YR 4/4) 100% waste mud, fine sand and silt, little clay and medium sand, trace fine gravel, slight cohesive	N/A	X9E	TAL Metals, Cr+6
			N/A		
12		NR: No recovery			

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: <div>X9</div>		
		Site: PPG - Jersey City, NJ				
Start Date: 10/5/2005		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611080 Y-683318		Depth of Boring: 24.00		
End Date: 10/5/2005		Elevation: 15.00		Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: Dark greenish gray to reddish brown (GLE Y 1 4/10GY to 5YR 4/4) 100% waste mud, fine sand and silt, little clay, trace fine gravel, ammonia-like odor, cohesive	N/A		
			N/A		
14			N/A	X9F	TAL Metals, Cr+6
		NR: No recovery	N/A		
16		CLAY: Black (7.5YR 2.5/1) clay, some silt, organic clay, cohesive	N/A	X9G	TAL Metals, Cr+6
			N/A		
18			N/A		
		NR: No recovery	N/A		
20		SAND: Reddish gray to dark reddish brown (2.5YR 5/1 to 2.5YR 3/4) fine to coarse sand, trace fine to medium gravel, loose	N/A		
			N/A	X9H	TAL Metals, Cr+6
22			N/A		
		NR: No recovery	N/A		
24			N/A		

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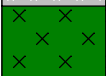

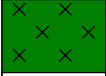
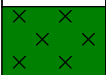
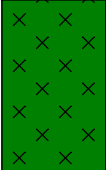

<div>ENSR AECOM</div>		Client: PPG		BORING ID: X9			
		Site: PPG - Jersey City, NJ					
Start Date: 10/5/2005		Project: Site Investigation			Page: 3 of 3		
		Coordinates: X-611080 Y-683318			Depth of Boring: 24.00		
End Date: 10/5/2005		Elevation: 15.00			Geologist: Richard Firely		
		Drill Subcontractor: Ameridrill			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

24		<div> NULL: End of Boring at 24' </div>	
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NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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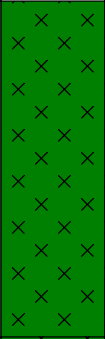
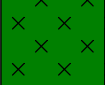
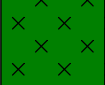
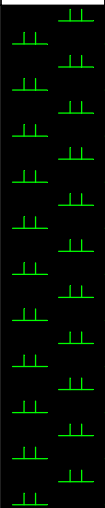
		Client: PPG Industries			BORING ID: OSB/XOSB-10	
		Site: Site OSB				
Start Date: 7/20/2006		Project: Site Investigation			Page: 1 of 3	
		Coordinates: X-610903.4 Y-683195			Depth of Boring: 26.00	
End Date: 9/14/2006		Elevation: 13.62			Geologist: M. Abdelaziz	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

0		ASPHALT: Asphalt	N/A			
		CONCRETE: Concrete				
		FILL: Dark brown (7.5YR3/2) coarse to medium SAND, some medium Gravel, trace Silt, dry. 80% COPR.	N/A		OSB-10A(1.0-1.5)	Cr+6, TAL Metals
		CONCRETE: Concrete stained with Cr6 water at 2.5 ft.				
2		NR: No Sample				
		FILL: Black (7.5RN2.5) coarse medium GRAVEL, some Cinders, Glass and Wood chips, little Silt, wet. ~10% COPR.	N/A		OSB-10B(3.1-3.6)	Cr+6, TAL Metals
4		NR: No Sample	0.0 ppm	2		
		FILL: Dark Brown (7.5YR 4/4) silty CLAY, some fine to very fine Sand, trace medium Gravel, wet. ~60% COPR.	N/A	2	OSB-10C(4.6-5.1)	Cr+6, TAL Metals
		NR: No Recovery		1		
6		FILL: Very dark brown (10YR3/3) coarse to fine SAND, some to little Silt, trace Clay, wet.		2		
		NR: No Recovery		4		
				2		
				5		
8		FILL: Very dark brown (10YR3/3) coarse to fine SAND, some to little Silt, trace Clay and fine Gravel, wet.	0.0 ppm	2		
				1		

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XOSB location is offset from original OSB location due to presence of stormwater drain.


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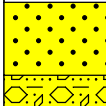
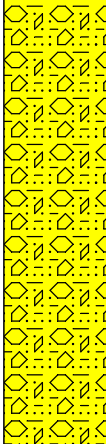
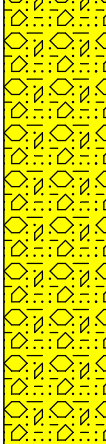

		Client: PPG Industries			BORING ID: OSB/XOSB-10	
		Site: Site OSB				
Start Date: 7/20/2006		Project: Site Investigation			Page: 2 of 3	
		Coordinates: X-610903.4 Y-683195			Depth of Boring: 26.00	
End Date: 9/14/2006		Elevation: 13.62			Geologist: M. Abdelaziz	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

10		NR: No Recovery	N/A	1		
				1		
12		FILL: Black (10YR2/1) coarse to fine SAND, little to trace (+) fine Gravel and Silt, wet.	N/A	1	XOSB-10D(10.0-11.0)	MS/MSD, Cr+6, TAL Metals
				1		
				1		
				1		
14		FILL: Shells material	N/A	2	XOSB-10E(12.0-12.9)	Cr+6, TAL Metals
				1	XOSB-10ED(12.0-12.9)	Cr+6, TAL Metals
				5		
				4		
16		NR: No Recovery	0.0 ppm	2	XOSB-10F(14.0-14.5)	Cr+6, TAL Metals
				1		
		PEAT: PEAT, moist.	0.0 ppm	2		
				2		
			0.0 ppm	3		
				2		
			2.5 ppm	2	XOSB-10G(17.0-17.5)	Cr+6, TAL Metals
				3		

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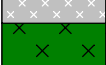
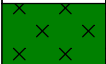


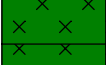
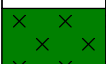
		Client: PPG Industries			BORING ID: OSB/XOSB-10	
		Site: Site OSB				
Start Date: 7/20/2006		Project: Site Investigation			Page: 3 of 3	
		Coordinates: X-610903.4 Y-683195			Depth of Boring: 26.00	
End Date: 9/14/2006		Elevation: 13.62			Geologist: M. Abdelaziz	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

18		NR: No Recovery	N/A	7		
		SAND: Very dark greenish gray (Gley 1 3/1) medium to fine SAND, little medium to fine Gravel, little to trace Silt, wet.		7		
20		GRAVEL AND SAND: Dark reddish brown (5YR3/2) coarse to fine SAND and medium to fine GRAVEL, some to little Silt and Clay, wet.	0.1 ppm	6		
				10		
				7		
				10		
22		GRAVEL AND SAND: Dark reddish brown (5YR3/2) coarse to fine SAND and fine GRAVEL, some to little Silt, little to trace Clay, wet.	N/A	14		
				15		
				10		
				14		
24			N/A	11		
				11		
				12		
				13		
26				11		
		NULL: End of boring at 26 feet.				

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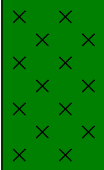
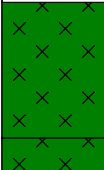
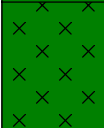
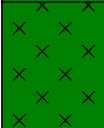
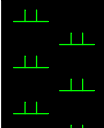
		Client: PPG Industries			BORING ID: OSB/XOSB-15	
		Site: Site OSB				
Start Date: 7/19/2006		Project: Site Investigation			Page: 1 of 3	
		Coordinates: X-611116.4 Y-683020.6			Depth of Boring: 28.00	
End Date: 9/12/2006		Elevation: 12.98			Geologist: M. Abdelaziz, R. Firely	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

0		ASPHALT: Asphalt	N/A			
		CONCRETE: Concrete				
		FILL: Light olive gray (5Y6/2) coarse to medium SAND, medium to fine Gravel, little Silt, dry. 10% COPR.	N/A		OSB-15A(1.1-1.6)	Cr+6, TAL Metals
2		NR: No Sample				
4		FILL: Very dark grayish brown (10YR3/2) coarse to medium SAND, some medium Gravel and Silt, trace Wood and Glass, wet. ~10% COPR. Petroleum odor and Sheen.	0.0 ppm	3	OSB-15B(4.3-4.8)	Cr+6, TAL Metals
		NR: No Sample	N/A	4		
6		FILL: Very dark grayish brown (10YR3/2) coarse to medium SAND, some medium Gravel and Silt, trace Wood and Glass, wet. 5% COPR.	0.0 ppm	3		
		FILL: Dark reddish brown (5YR3/4) coarse angular GRAVEL, wet.		2		
		NR: No Recovery		2		
8		FILL: Dark brown to black (10YR 3/3-2/1) Silt, some fine Sand, trace Organics, wet. Slight sheen and MGP like odor.	17.5 ppm	3	XOSB-15C(8.0-8.5)	Cr+6, TAL Metals
		NR: No Recovery		1		
				1		

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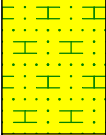
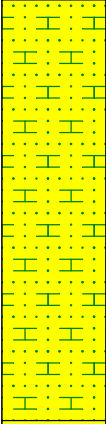
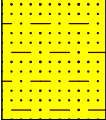
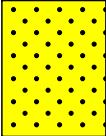

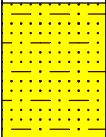
		Client: PPG Industries			BORING ID: OSB/XOSB-15	
		Site: Site OSB				
Start Date: 7/19/2006		Project: Site Investigation			Page: 2 of 3	
		Coordinates: X-611116.4 Y-683020.6			Depth of Boring: 28.00	
End Date: 9/12/2006		Elevation: 12.98			Geologist: M. Abdelaziz, R. Firely	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

10		FILL: Black to dark brown (10YR2/1-little 3/3) SILT, little Clay and fine Sand, trace Organics, wet. Sheen and MPG like odor.	N/A	1		
				1		
				1		
12		NR: No Recovery	5.6 ppm	2	XOSB-15D(11.0-11.5)	Cr+6, TAL Metals
				3		
				2		
14		FILL: Black to dark brown (10YR2/1-little 3/3) SILT, little Clay and fine Sand, trace Organics, wet. Sheen and MPG like odor.	5.6 ppm	3		
				2		
				3		
16		FILL: Reddish brown (5YR4/4) fine SAND and SILT, trace medium to fine Gravel, wet.	0.7 ppm	1	XOSB-15E(14.0-14.5)	Cr+6, TAL Metals
				1		
				1		
18		PEAT: PEAT, moist.	3.3 ppm	1		
				1		
				1		
			1.7 ppm	1		
				1		
				2		

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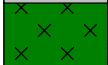

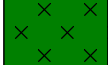



		Client: PPG Industries			BORING ID: OSB/XOSB-15	
		Site: Site OSB				
Start Date: 7/19/2006		Project: Site Investigation			Page: 3 of 3	
		Coordinates: X-611116.4 Y-683020.6			Depth of Boring: 28.00	
End Date: 9/12/2006		Elevation: 12.98			Geologist: M. Abdelaziz, R. Firely	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

20		SILT AND CLAY: Dark gray (10YR4/1) SILT and CLAY, some Organic material, moist.	3.1 ppm	2		
				2		
22		SILT AND CLAY: Dark gray (10YR4/1) SILT and CLAY, trace Organic material, moist.	1.0 ppm	1		
				2		
				2		
				3		
				2		
24		SAND AND SILT: Red (2.5YR4/6) Fine SAND and SILT, some Clay, wet.	0.0 ppm	3		
				4		
				6		
26		SAND: Dark reddish brown (5YR3/2) fine SAND, some Silt, trace Organics, wet.	0.0 ppm	3		
				4		
28		NR: No Recovery	0.0 ppm	4		
				4		
				3		
28		SAND AND SILT: Dark reddish brown (2.5YR3/4) fine SAND and SILT, trace coarse to medium Sand, wet.	0.0 ppm	5		
				7		
				8		
		NULL: End of boring at 28 feet.				

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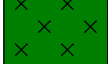
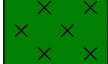
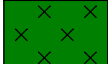
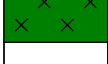

		Client: PPG Industries			BORING ID: OSB/XOSB-17	
		Site: Site OSB				
Start Date: 7/19/2006		Project: Site Investigation			Page: 1 of 3	
		Coordinates: X-611166.6 Y-682972			Depth of Boring: 28.00	
End Date: 9/12/2006		Elevation: 13.05			Geologist: M. Abdelaziz, R. Firely	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

0		ASPHALT: Asphalt	N/A			
		CONCRETE: Concrete				
2		FILL: Dark gray (7.5YRN4) coarse medium SAND, some medium to fine Gravel, little fine Sand and Silt, dry. 40% COPR.	0.0 ppm			
		NR: No Sample				
		FILL: Dark gray (7.5YRN4) coarse to medium SAND, some medium to fine Gravel and Silt, little fine Sand and Clay, moist. 40% COPR.				
		NR: No Sample				
4		FILL: Dark gray (7.5YRN4) WOOD CHIPS, some Glass pieces and Silt, little medium Sand, wet.	0.0 ppm	1	OSB-17B(4.2-4.7)	Cr+6, TAL Metals
		NR: No Sample				
6		FILL: Very dark brown (10YR2/2) medium to fine SAND and SILT, some Coal ash, little medium to fine Gravel, wet.	0.5 ppm	37	XOSB-17C(6.2-7.2)	MS/MSD, Cr+6, TAL Metals
8		NR: No Recovery	5.8 ppm	100 / 2" NA		
		FILL: Very dark brown (10YR2/2) coarse to fine SAND and medium to fine GRAVEL, wet. MGP like odor and slight sheen.				
			5.8 ppm	65	XOSB-17D(8.2-9.2)	Cr+6, TAL Metals
			5.8 ppm	35	XOSB-17DD(8.2-9.2)	Cr+6, TAL Metals
				42		

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.
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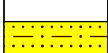
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		Site: Site OSB				
Start Date: 7/19/2006		Project: Site Investigation			Page: 2 of 3	
		Coordinates: X-611166.6 Y-682972			Depth of Boring: 28.00	
End Date: 9/12/2006		Elevation: 13.05			Geologist: M. Abdelaziz, R. Firely	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

10		FILL: Very dark grayish brown (10YR3/2) fine SAND and SILT, trace Clay, wet.	8.5 ppm	21		
				15	XOSB-17E(10.2-10.7)	Cr+6, TAL Metals
12		FILL: Reddish brown (5YR4/4) fine SAND and SILT, trace Clay, wet.	1.5 ppm	16		
				10		
				10		
				12	XOSB-17F(12.2-12.7)	Cr+6, TAL Metals
14		FILL: Reddish brown (5YR4/4) fine SAND and SILT, trace Clay, wet.	0.6 ppm	10		
				8		
				4		
				8	XOSB-17G(14.2-14.7)	Cr+6, TAL Metals
16		PEAT: PEAT, moist.	10.0 ppm	12		
				70		
				5		
				3	XOSB-17H(16.0-16.5)	Cr+6, TAL Metals
18		PEAT: PEAT, peat-like odor, moist.	2.2 ppm	4		
				4		
				4		
				3		
				2		
				2		

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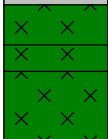
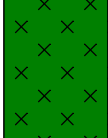
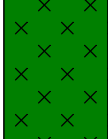
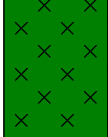
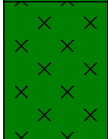
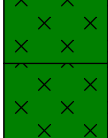
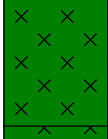
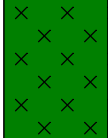
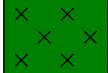
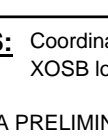
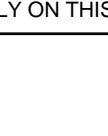
		Client: PPG Industries			BORING ID: OSB/XOSB-17	
		Site: Site OSB				
Start Date: 7/19/2006		Project: Site Investigation			Page: 3 of 3	
		Coordinates: X-611166.6 Y-682972			Depth of Boring: 28.00	
End Date: 9/12/2006		Elevation: 13.05			Geologist: M. Abdelaziz, R. Firely	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

20		SILT AND CLAY: Dark gray (10YR4/1)SILT and CLAY, wet.		4		
				6		
22		SILT AND CLAY: Dark gray (10YR4/1)SILT and CLAY, wet.	0.7 ppm	3		
				5		
				8		
				11		
24		SAND AND GRAVEL: Dark reddish brown (5YR3/3) coarse to fine SAND and medium to fine GRAVEL, little coarse Gravel, wet. MGP like odor and sheen.	51.4 ppm	10		
				8		
				4		
				6		
26		SAND AND SILT: Dark reddish brown (5YR3/3) fine SAND and SILT, wet. MGP like odor and sheen.	11.4 ppm	4		
				4		
				4		
				4		
28		SAND AND SILT: Dark reddish brown (5YR3/3) fine SAND and SILT, wet. MGP like odor and sheen.	3.2 ppm	4	XOSB-17L(26.0-27.0)	Cr+6, TAL Metals
				3	XOSB-17LD(26.0-27.0)	Cr+6, TAL Metals
				3		
				4		
		NULL: End of boring at 28 feet.				

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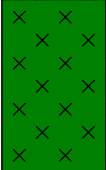
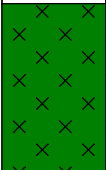
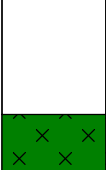
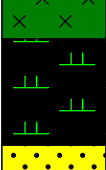
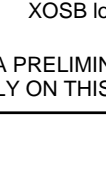
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		Site: Site OSB				
Start Date: 7/18/2006		Project: Site Investigation			Page: 1 of 3	
		Coordinates: X-611217.1 Y-682922.8			Depth of Boring: 28.00	
End Date: 9/11/2006		Elevation: 13.11			Geologist: M. Abdelaziz	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

0		ASPHALT: Asphalt	N/A			
		CONCRETE: Concrete	N/A			
		FILL: Weak red (2.5YR4/2) medium SAND, some fine Sand and fine Gravel, little Silt, trace Clay, dry. 40% COPR.	N/A		OSB-19A(0.9-1.4)	Cr+6, TAL Metals
2		FILL: Dark red (7.5YR3/6) medium SAND, some fine Sand and fine Gravel, little Silt, trace Clay, dry. 10% COPR.				
		FILL: Dark red (7.5YR3/6) medium SAND, some fine Sand and fine Gravel, little Silt, trace Clay, dry. 90% COPR.				
4			0.0 ppm	2		
		FILL: Pinkish gray (7.5YR7/2) fine to very fine SAND and SILT, some very fine Gravel, moist.		2		
6				2		
		FILL: Weak red (10R4/2) coarse to fine SAND, some Silt, trace fine Gravel, moist.		3		
8				3		
		FILL: Very dark gray (2.5YRN3) medium to fine GRAVEL, some coarse to medium Sand, trace Silt and fine Sand, wet. Petroleum odor and sheen.	19.6 ppm	4		
				4		
			19.6 ppm	3	OSB-19D(9.2-9.7)	Cr+6, TAL Metals
				2		

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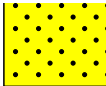
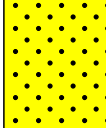
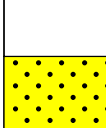
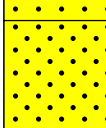
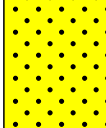
		Client: PPG Industries			BORING ID: OSB/XOSB-19	
		Site: Site OSB				
Start Date: 7/18/2006		Project: Site Investigation			Page: 2 of 3	
		Coordinates: X-611217.1 Y-682922.8			Depth of Boring: 28.00	
End Date: 9/11/2006		Elevation: 13.11			Geologist: M. Abdelaziz	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

10		NR: No Recovery	50.4 ppm	4		
		FILL: Very Dark Gray (2.5YR N3) silty CLAY, some fine Sand, trace medium Sand, wet. Petroleum odor and sheen.	50.4 ppm	5		
12		NR: No Recovery		7	OSB-19E(10.8-11.3)	MS/MSD, Cr+6, TAL Metals
		FILL: PEAT (Uplifted - fill), wet. Petroleum odor and sheen.		9		
14		NR: No Recovery	1.4-2.3 ppm	9		
				10		
16		NR: No Recovery	2.3 ppm	8	OSB-19F(13.5-14.0) OSB-19FD(13.5-14.0)	Cr+6, TAL Metals Cr+6, TAL Metals
			0.0 ppm	8		
18		NR: No Recovery		9		
				11		
		FILL: Very Dark Gray (2.5YR N3) silty CLAY, some fine to very fine Sand, trace fine Gravel, wet. Petroleum odor and sheen.	5.6 ppm	7		
				7		
		FILL: Rotted WOOD. Petroleum odor and sheen.		8		
				9		
		PEAT: PEAT, dry.	5.3 ppm	3	XOSB-19H(18.0-18.5)	Cr+6, TAL Metals
				3	XOSB-19HD(18.0-18.5)	Cr+6, TAL Metals
		SAND: Gray (7.5YR5/1) fine to very fine SAND, some Silt, trace Clay, moist.		3		

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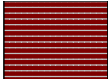

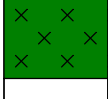
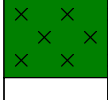
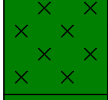
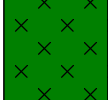
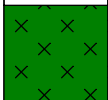
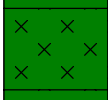

		Client: PPG Industries			BORING ID: OSB/XOSB-19			
		Site: Site OSB						
Start Date: 7/18/2006		Project: Site Investigation			Page: 3 of 3			
		Coordinates: X-611217.1 Y-682922.8			Depth of Boring: 28.00			
End Date: 9/11/2006		Elevation: 13.11			Geologist: M. Abdelaziz			
		Drill Subcontractor: ADI			Driller:			
Depth (ft)	Lithology	Description			PID	Blows/6"	Sample ID	Sample Parameters

20		CLAYEY SAND: Gray (7.5YR5/1) clayey SILT, some fine to very fine Sand, trace Peat, wet.	1.2 ppm	3		
				5		
				7		
22		SAND: Gray (7.5YR5/1) fine to very fine SAND, some Silt, trace coarse Sand, moist.	2.2 ppm	10		
				10		
				11		
24		NR: No Recovery	3.3 ppm	10		
				11		
				13		
26		SAND: Dark brown (7.5YR3/2) coarse SAND, some fine Gravel, little Silt, moist to dry.	5.3 ppm	10		
				11		
				10		
28		SAND: Dark reddish brown (5YR3/4) coarse to medium SAND, little Silt and fine Sand, wet.		9		
				10		
				10		
		NULL: End of boring at 28 feet.				

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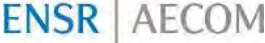
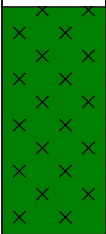
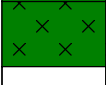
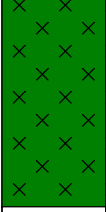
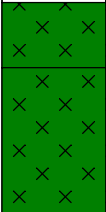
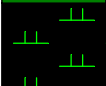
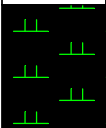
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		Client: PPG Industries			BORING ID: OSB/XOSB-21	
		Site: Site OSB				
Start Date: 7/18/2006		Project: Site Investigation			Page: 1 of 4	
		Coordinates: X-611281 Y-682858.2			Depth of Boring: 30.00	
End Date: 9/11/2006		Elevation: 12.93			Geologist: M. Abdelaziz	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

0		ASPHALT: Asphalt	N/A			
		CONCRETE: Concrete				
		FILL: Dusky red (2.5YR3/2) coarse to fine SAND, some medium to fine Gravel, trace Silt, dry. 35% COPR.	N/A		OSB-21A(1.15-1.65)	Cr+6, TAL Metals
2		NR: No Sample				
		FILL: Reddish gray (5YR5/2) medium to fine SAND, some medium Gravel and Slag, little Silt, trace(-) Clay, wet.	N/A		OSB-21B(2.7-3.2)	Cr+6, TAL Metals
		NR: No Sample				
4		FILL: Black (5YR 2.5/1) silty SAND, some Glass, Cinders and Tiles, wet.	0.1 ppm	1		
		FILL: Gray (5YR5/1) coarse to medium SAND, some Silt, wet.		1		
		NR: No Recovery		2		
6		FILL: Black (5YR 2.5/1) silty SAND, some Glass, Cinders and Tiles, wet.	0.1 ppm	2		
		FILL: Gray (5YR5/1) coarse to medium SAND, some Silt, wet.		4		
		FILL: Brown (7.5YR4/2) medium SAND, some Silt, little fine Gravel, trace Clay, moist.		7		
				8		


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		Client: PPG Industries	BORING ID: OSB/XOSB-21			
		Site: Site OSB				
Start Date: 7/18/2006	Project: Site Investigation		Page: 2 of 4			
	Coordinates: X-611281 Y-682858.2		Depth of Boring: 30.00			
End Date: 9/11/2006	Elevation: 12.93		Geologist: M. Abdelaziz			
	Drill Subcontractor: ADI		Driller:			
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters
8		NR: No Recovery	0.4 ppm	2		
		FILL: Dark grayish brown (10YR4/2) coarse to medium SAND, some Silt, little fine to very fine Gravel, trace Clay, wet.		3		
				3		
		FILL: Dark grayish brown (10YR4/2) medium to fine SAND, some Silt and Clay, trace coarse Sand, wet.	12.8 ppm	4		
10		NR: No Recovery		2		
		FILL: Dark reddish gray (10R 3/1) silty SAND, some Clay, trace medium Sand and olive yellow (5Y6/8) fine Gravel, wet.		3		
			49.3 ppm	2		
				2		
12		NR: No Recovery		5		
		FILL: Dark reddish gray (10R 3/1) silty SAND, some Clay, trace medium Sand and olive yellow (5Y6/8) fine Gravel, wet.		6		
		FILL: Very dark brown (7.5YR2.5/2) fine to very fine SAND, some Silt, trace fine Gravel and Clay, wet. Petroleum odor and sheen.		6		
				5	OSB-21C(13.3-13.8)	Cr+6, TAL Metals
		PEAT: PEAT, wet. Petroleum odor and sheen.	39.5 ppm	3		
14		NR: No Recovery		3		
		PEAT: PEAT, wet. Petroleum odor and sheen.		4		
				4		

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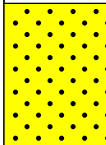
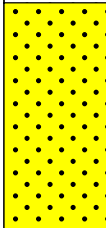
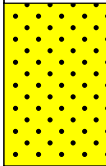
		Client: PPG Industries			BORING ID: OSB/XOSB-21	
		Site: Site OSB				
Start Date: 7/18/2006		Project: Site Investigation			Page: 3 of 4	
		Coordinates: X-611281 Y-682858.2			Depth of Boring: 30.00	
End Date: 9/11/2006		Elevation: 12.93			Geologist: M. Abdelaziz	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

16		NR: No Recovery		2		
				2		
				3		
			78.8 ppm	3		
				3		
18				2		
			7.3 ppm	2		
				2		
				2		
				2		
				2		
20				2		
			16.0 ppm	2	XOSB-21E(20.0-21.0)	MS/MSD, Cr+6, TAL Metals
				3		
				2		
		SILTY CLAY: Gray (gley16/1) silty CLAY, some fine to very fine Sand, wet.		2		
				2		
22		NR: No Recovery		2		
				2		
		SILTY CLAY: Gray (gley16/1) silty CLAY, some fine to very fine Sand, wet.	7.3 ppm	2		
				2		
		SAND: Gray (gley16/1) coarse to medium SAND, some Silt, trace fine Sand, wet.		2		
				2		
				2		
		NR: No Recovery		2		

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.
XOSB location is offset from original OSB location due to presence of stormwater drain.

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		Client: PPG Industries			BORING ID: OSB/XOSB-21	
		Site: Site OSB				
Start Date: 7/18/2006		Project: Site Investigation			Page: 4 of 4	
		Coordinates: X-611281 Y-682858.2			Depth of Boring: 30.00	
End Date: 9/11/2006		Elevation: 12.93			Geologist: M. Abdelaziz	
		Drill Subcontractor: ADI			Driller:	
Depth (ft)	Lithology	Description	PID	Blows/6"	Sample ID	Sample Parameters

24		SAND: Dark reddish brown (2.5YR3/3) coarse SAND, some medium Sand and Silt, trace fine Gravel, wet.	0.4 ppm	2		
		NR: No Recovery		3		
26		SAND: Dark reddish brown (2.5YR3/3) coarse SAND, some medium Sand and Silt, trace fine Gravel, wet.	1.4 ppm	4		
				4		
				4		
				4		
		NR: No Recovery		5		
28		SAND: Dark reddish brown (2.5YR3/3) coarse SAND, some medium Sand and Silt, trace fine Gravel, wet.	6.2 ppm	3		
				4		
		NR: No Recovery		3		
				4		
30	NULL: End of boring at 30 feet.					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.
XOSB location is offset from original OSB location due to presence of stormwater drain.

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PSE&G Sampling Program Borings

4F

No Boring Log Available

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 14.5		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski		DATE STARTED 08/15/03		DATE COMPLETED 08/15/03	
DRILLING EQUIPMENT Geoprobe				COMPLETION DEPTH (FT BGS) 16.0		ROCK DEPTH (FT) Not Encountered	
TYPE BIT Direct Push Casing		SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner		NO. SAMPLES 0	DIST. 0	UNDIST. 0	CORE 0
CASING 2-inch diameter		DROP N/A		WATER DEPTH 5	FIRST 5	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A		BORING LOCATION Northern portion of site, within footprint of former Mixing house (AOC10)			
SAMPLER Direct Push Casing		DROP N/A					
SAMPLER HAMMER		WEIGHT N/A		INSPECTOR John Karon			

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LOG OF SOIL BORING B1001

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)			PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey			14.5			020667601							
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
12.0-13.2' Black (2.5Y 2.5/1) FILL: ash material (AM), clinker material (CM), Coal and gravel pieces, firm, wet		- 12 -		4	3.7	N/A	1015	71.0	0.0	1015	N/A		12.5-13.0' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1015
13.2-14.2' Dark Brown Peat		- - -						99.0					
		- 13 -						65.0					13.2-13.7' Sample for TAL Metals and Cr+6 at 1150
		- - -						33.0					
14.2-15.7' Grayish Brown (2.5Y 5/2) Silty Fine Sand, firm, wet		- 14 -						15.0					
		- - -						8.0					
		- 15 -						4.0					15.5-15.7' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1030
End of boring at 16.0'		- - -						3.0					
		- 16 -											
		- - -											
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LOG OF SOIL BORING B101

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL) 14.0		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski		DATE COMPLETED 08/12/03	
DRILLING EQUIPMENT Geoprobe		COMPLETION DEPTH (FT BGS) 18.0		ROCK DEPTH (FT) Not Encountered	
TYPE BIT	Direct Push Casing	SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 5
CASING	2-inch diameter	2-in diam 4-ft acetate liner		UNDIST.	0
CASING HAMMER	WEIGHT N/A	DROP N/A		CORE	0
SAMPLER	Direct Push Casing	BORING LOCATION		WATER DEPTH	FIRST 5
SAMPLER HAMMER	WEIGHT N/A	DROP N/A		COMPL.	N/A
				24HR	N/A
				INSPECTOR John Karon	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-4.5' Dark brown (7.5YR 3/4) FILL: silty fine sand with concrete and brick pieces, firm, dry		0											0.0-0.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁶ at 14:55 1.5-2.0' Sample for VOC at 14:55 2.3-2.8' Sample for TAL Metals and Cr ⁶ at 15:30
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		-											
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		-											
4.5-6.0' Yellowish red (5YR 5/6) FILL: silty fine sand with brick and concrete pieces, firm, moist			▽										4.5-5.0' Sample for TAL Metals, PCBs and Cr ⁶ at 15:00
		-											
		-											
		-											
		-											
		-											
		-											
		-											
		-											
		-											
6.0-10.0' Dark brown (7.5YR 3/4) FILL: silty fine sand, firm, moist													
		-											
		-											
		-											
		-											
		-											
		-											
		-											
		-											
		-											
10.0-12.0' Black FILL: silty fine sand, firm, wet													Oil Material (OM) from 10-12'
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LOG OF SOIL BORING B101

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey				14.0		020667601							
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
12.0-18.0' Reddish Brown (5YR 5/4) SAND (SM), silty fine sand, firm, wet 													

**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

SCHOOR DEPALMA
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LOG OF SOIL BORING B102

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL) 14.0		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski		DATE COMPLETED 08/12/03	
DRILLING EQUIPMENT Geoprobe		DATE STARTED 08/12/03		ROCK DEPTH (FT) Not Encountered	
COMPLETION DEPTH (FT BGS) 20.0		NO. SAMPLES 5		DIST. 0	
TYPE BIT Direct Push Casing		SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner		CORE 0	
CASING 2-inch diameter		WATER DEPTH 6		COMPL. N/A	
CASING HAMMER WEIGHT N/A		DROP N/A		BORING LOCATION Eastern portion of site, northeast of Gas Holder 1B (AOC1)	
SAMPLER Direct Push Casing		INSPECTOR John Karon			
SAMPLER HAMMER WEIGHT N/A		DROP N/A			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-4.5' Reddish Brown (2.5YR 4/4) FILL: silty fine sand with brick and gravel pieces, firm, dry		0											0.0-0.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁶ at 1550 1.5-2.0' Sample for VOC at 1550
		1	3.0	N/A	1545	0.0	0.0	1545	N/A				
						0.0							
						0.0							
						0.0							
						0.0							
						0.0							
						0.0							
						0.0							
						0.0							
4.5-6.0' Grayish Brown (2.5Y 5/2) FILL: silty fine sand with brick pieces, firm, dry												5.5-6.0' Sample for TAL Metals, PCBs and Cr ⁶ at 1620	
		2	3.3	N/A	1550	0.0	0.0	1550	0.0				
						0.0							
						0.0							
						25							
6.0-11.0' Dark grayish brown (2.5Y 4/2) FILL: silty fine sand, firm, wet @ 6.0'		6										Oil Material (OM) from 6-12'	
						50							
						100							
						134							
		3	3.0	N/A	1	199	0.0	1600	0.0				
						199							
						199							
						199							
						199							
						199							
						199							
						199							
						199							

LOG OF SOIL BORING B102

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey				14.0		020667601							
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)				REMARKS	
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
12.0-15.7' Dark reddish gray (5YR 4/2) FILL: silty fine sand, firm, wet		- 12 -		4	3.7	N/A	1605	199.0	0.0	1605	N/A		OM from 12-14.7'
		- - -						185.0					
		- 13 -						199.0					
		- - -						134.0					
		- 14 -						99.0					
16.0-19.8' Reddish Brown (5YR 4/4) SAND (SP), fine sand, trace silt, firm, wet		- - -		5	3.8	N/A	1610	100.0					14.7-15.2' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr ⁶ at 16:10
		- 15 -						85.0					
		- - -						120.0					
		- 16 -						54.0	0.0	1610	0.0		
		- - -						35.0					
End of Boring at 20.0'		- 17 -						5.0					17.5-18.0' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr ⁶ at 16:20
		- - -						2.0					
		- 18 -						3.0					
		- - -						4.0					
		- 19 -						3.0					
		- - -						3.0					
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**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

SCHOOR DEPALMA
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LOG OF SOIL BORING B103

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL) 15.0		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski		DATE COMPLETED 08/11/03	
DRILLING EQUIPMENT Geoprobe		DATE STARTED 08/11/03		COMPLETION DEPTH (FT BGS) 21.0	
TYPE BIT Direct Push Casing		SIZE AND TYPE CORE BARREL n/a		ROCK DEPTH (FT) Not Encountered	
CASING 2-inch diameter		NO. SAMPLES 6		UNDIST. 0	
CASING HAMMER WEIGHT N/A		WATER DEPTH FIRST 0.5		CORE 0	
SAMPLER 2" Diameter, 4' long w/acetate liner		DROP n/a		COMPL. N/A	
SAMPLER HAMMER WEIGHT N/A		BORING LOCATION Eastern portion of site, within footprint of Gas Holder 1B (AOC1)		INSPECTOR John Karon	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0' - 0.5' FILL: dark brown (7.5YR 3/4) silty fine sand, firm, moist		0		1	2.0	N/A	16:35	30	0.0	16:35	n/a	n/a	0.0' - 0.5' sample for SVOC, TAL Metals, Cyanide, PCBs and Cr ⁺⁶ at 16:40
0.5' - 5.5' FILL: black wood chips, firm, wet								60					
		1						199					
								199					
		2											1.5' - 2.0' sample for VOC at 16:40
		3											
		4		2	3.0	N/A	16:40	199	0.0	16:40	n/a	n/a	Reddish brown Oil Material (OM) from 5.5' - 10.0'
5.5' - 12.0' FILL: Gray (5Y 6/1) silty fine to coarse sand with ash material (AM), firm, wet								199					
		5						199					
								199					
		6						199					6.5' - 7.0' sample for TAL Metals and Cr ⁺⁶ at 17:25
								199					
		7											
		8		3	2.0	N/A	16:45	199	0.0	16:45	n/a	n/a	
								199					
		9						199					
								199					
		10											
		11											
		12											

**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

SCHOOR DEPALMA
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LOG OF SOIL BORING B103

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)				PROJECT NUMBER					
Halladay Street, Jersey City, New Jersey				15.0				020667601					
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BLU/in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
12.0' - 16.0' FILL: Gray (5Y 6/1) silty fine to coarse sand with ash material (AM), firm, wet		- 12 -		4	2.0	N/A	16:55	199	0.0	16:55	n/a	n/a	12.5-13.0' Sample for TAL Metals and Cr ⁺⁶ at 17:45
		- - -						199					
		- 13 -						199					
		- - -						199					
16.0' - 18.0' FILL: silty fine to coarse sand and wood chips with Reddish Brown OM, firm, wet		- 14 -											OM from 16.0-21'
		- - -											
		- 15 -											
		- - -											
16.0' - 18.0' FILL: silty fine to coarse sand and wood chips with Reddish Brown OM, firm, wet		- 16 -		5	2.0	N/A	17:00	199	0.0	17:00	n/a	n/a	OM from 16.0-21'
		- - -											
		- 17 -											
		- - -											
20.0' - 21.0' FILL: black, silty fine to coarse sand and rounded gravel up to 1/2" with OM, firm, wet		- 18 -											20.5-21.0' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 17:05
		- - -											
		- 19 -											
		- - -											
20.0' - 21.0' FILL: black, silty fine to coarse sand and rounded gravel up to 1/2" with OM, firm, wet		- 20 -		6	1.0	N/A	17:05	199	0.0	17:05	n/a	n/a	20.5-21.0' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 17:05
		- - -											
		- 21 -											
		- - -											
Refusal at 21'		- 22 -											
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**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

SCHOOR DEPALMA

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LOG OF SOIL BORING B104

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL) 15.0	PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.	FOREMAN Craig Jablonski	DATE STARTED 08/11/03	DATE COMPLETED 08/11/03	
DRILLING EQUIPMENT Geoprobe		COMPLETION DEPTH (FT BGS) 32.0	ROCK DEPTH (FT) Not Encountered	
TYPE BIT Direct Push Casing	SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner	NO. SAMPLES 9	DIST. 9	UNDIST. 0
CASING 2-inch diameter		WATER DEPTH 4	FIRST 4	COMPL. N/A
CASING HAMMER WEIGHT N/A	DROP N/A	BORING LOCATION Southern portion of site, southwest of Gas Holder 1A (AOC1)		
SAMPLER Direct Push Casing		INSPECTOR John Karon		
SAMPLER HAMMER WEIGHT N/A	DROP N/A			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-2.0' Dark Brown (7.5YR 3/4) FILL: silty fine sand with brick and concrete pieces, firm, dry		0		1	2.5	N/A	1210	0.0	0.0	1150	N/A		0.0-0.5' sample for SVOC, TAL Metals, Cyanide, PCBs and Cr ⁺⁶ at 12:20
		-						0.0					
		- 1 -						0.0					
		-						0.0					
2.0-2.5' FILL: Yellow White powdery substance and Grayish Green (Gley 1 5/2) Chromate Ore Processing Residual (COPR), firm, dry		- 2 -						0.0					1.5-2.0' sample for VOC at 12:20
		-						0.0					
		- 3 -											
		-											
		- 4 -	▽	2	4.0	N/A	1215	0.0	0.0	1215			
4.0-5.5' FILL: Yellow White powdery substance with Brown (7.5YR 4/4) COPR, firm, wet		- 5 -						0.0					
		-						0.0					
5.5-7.0' FILL: Dark Brown (7.5YR 3/4) COPR, firm, wet		- 6 -						0.0					
		-						0.0					
		- 7 -						0.0					6.0-6.5' sample for TAL Metals, PCBs and Cr ⁺⁶ at 13:55
7.0-12.0' FILL: Ash Material (AM) and Clinker Material (CM), firm, wet		-						0.0					
		- 8 -		3	2.9	N/A	1220	0.0	0.0	1220			
		-						0.0					
		- 9 -						0.0					9.0-9.5' sample for TAL Metals and Cr ⁺⁶ at 14:20
		-						0.0					
		- 10 -						0.0					
		-						0.0					
		- 11 -						10.0					
		-											
		- 12 -											

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**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

SCHOOR DEPALMA
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LOG OF SOIL BORING B104

PROJECT LOCATION		GROUND ELEVATION (FT. MSL)		PROJECT NUMBER									
Halladay Street, Jersey City, New Jersey		15.0		020667601									
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
26.0-31.0' Reddish Brown (5YR 5/4) SAND (SM), silty fine to coarse Sand, firm, wet		- 26 -		8		N/A	1240	15.0	0.0	1240	N/A		Slight sheen from 26-27.7"
		- 27 -						18.0					
		- 28 -						18.0					
		- 29 -											
		- 30 -											
		- 31 -											
		- 32 -											
		- 33 -											
		- 34 -											
		- 35 -											
End of boring at 32.0'		- 36 -											28.0-28.5' sample for VOC, SVOC, TAL Metals, Cyanide, PCBs and Cr+6 at 14:00
		- 37 -											
		- 38 -											
		- 39 -											
		- 40 -											
		- 41 -											
		- 42 -											
		- 43 -											
		- 44 -											
		- 45 -											

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**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

SCHOOR DEPALMA

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LOG OF SOIL BORING B105

PROJECT LOCATION Halladay Street, Jersey City, New Jersey					GROUND ELEVATION (FT. MSL) 14.5		PROJECT NUMBER 020667601							
DRILLING CONTRACTOR Advanced Drilling, Inc.			FOREMAN Craig Jablonski		DATE STARTED 08/11/03		DATE COMPLETED 08/11/03							
DRILLING EQUIPMENT Geoprobe					COMPLETION DEPTH (FT BGS) 8.0		ROCK DEPTH (FT) Not Encountered							
TYPE BIT Direct Push Casing			SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner		NO. SAMPLES 2		DIST. 0		CORE 0					
CASING 2-inch diameter					WATER DEPTH FIRST 4		COMPL. N/A		24HR N/A					
CASING HAMMER WEIGHT N/A			DROP N/A		BORING LOCATION Southern portion of site, within footprint of Gas Holder 1A (AOC1)									
SAMPLER Direct Push Casing					INSPECTOR John Karon									
SAMPLER HAMMER WEIGHT N/A			DROP N/A											
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS	
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date		
0.0' - 5.0' FILL: Dark Brown (7.5YR 3/4) silty fine sand with 10% rounded gravel up to 1/2", firm, dry		0		1	2.5	N/A	14:40	0.0	0.0	14:40	n/a	n/a	0.0' - 0.5' sample for SVOC, TAL Metals, Cyanide, PCBs and Cr ⁺⁶ at 14:45	
		-						0.0						
		- 1 -						0.0						
		-						0.0						
	2.3' - 2.5' Concrete pieces	- 2 -						0.0						1.5' - 2.0' sample for VOCs at 14:45
		-						0.0						
		- 3 -												
		-												
		- 4 -	▽	2	3.0	N/A	14:45	0.0	0.0	14:45	n/a	n/a		Wet @ 4.0'
		-						0.0						
5.0' - 7.0' FILL: Black (5Y 2.5/1) silty fine sand, ash material (AM), wood fibers, firm, wet	- 5 -						50					Trace black Oil Material (OM) from 5.0' - 7.0'		
	-						113							
	- 6 -						129						6.5' - 7.0' sample for VOC, SVOC, Cyanided, TAL Metals, PCBs and Cr ⁺⁶ at 15:10	
	-						143							
7.0' - 8.0' FILL: AM and Clinker Material (CM), firm, wet	- 7 -													
	-													
	- 8 -													
	-													
Refusal at 8.0'	- 9 -													
	-													
	- 10 -													
	-													
	- 11 -													
	-													
	- 12 -													

LOG OF SOIL BORING B107

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 15.5		PROJECT NUMBER 020667601		
DRILLING CONTRACTOR Advanced Drilling, inc.			FOREMAN Craig Jablonski		DATE STARTED 08/11/03		DATE COMPLETED 08/11/03	
DRILLING EQUIPMENT Geoprobe				COMPLETION DEPTH (FT BGS) 23.0		ROCK DEPTH (FT) Not Encountered		
TYPE BIT Direct Push Casing		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 6	UNDIST. 0	CORE 0	
CASING n/a		n/a		WATER DEPTH	FIRST 4	COMPL. N/A	24HR	N/A
CASING HAMMER		WEIGHT n/a	DROP n/a	BORING LOCATION Eastern portion of site, southeast of Gas Holder 1B (AOC1)				
SAMPLER 2" Diameter, 4' long w/acetate liner								
SAMPLER HAMMER		WEIGHT n/a	DROP n/a	INSPECTOR John Karon				

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
0.0' - 2.0' FILL: dark brown (7.5YR 3/4) silty fine sand and Chromate Ore Processing Residual (COPR), firm, moist		0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

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LOG OF SOIL BORING B107

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey				15.5		020667601							
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BU/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
12.0' - 16.0' No recovery, wet		- 12 -		4	0.0	N/A	15:55		0.0	15:55	n/a	n/a	
		- - -											
		- 13 -											
		- - -											
		- 14 -											
16.0' - 17.0' Olive Gray (5Y 5/2) SAND (SM) silty fine sand, firm, moist		- 15 -											
		- - -											
		- 16 -		5	3.9	N/A	16:00	0.0	0.0	16:00	n/a	n/a	
		- - -					60						
		- 17 -					129						Reddish brown Oil Material (OM) from 17.0-23.0'
17.0' - 22.0' Olive Gray (5Y 5/2) SAND (SW) fine to coarse sand and rounded gravel, firm, wet		- - -					199						
		- 18 -					199						
		- - -					199						
		- 19 -					199						
		- - -					199						
22.0' - 22.5' Reddish Brown (5YR 5/4) SAND (SM) silty fine sand, firm, wet		- 20 -		6	3.0	N/A	16:10	199	0.0	16:10	n/a	n/a	
		- - -						199					
		- 21 -						199					
		- - -						199					
		- 22 -						143					
22.5' - 23.0' Reddish Brown SAND (SW) fine to coarse sand and rounded gravel up to 1/4", firm, wet		- - -					129						
		- 23 -											
Refusal at 23'		- - -											
		- 24 -											
		- - -											
		- 25 -											
		- - -											
		- 26 -											

**PSEG SC Former Halladay Street Gas Works Site
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LOG OF SOIL BORING B107A

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL) 15.0	PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.	FOREMAN Craig Jablonski	DATE STARTED 08/12/03	DATE COMPLETED 08/12/03	
DRILLING EQUIPMENT Geoprobe		COMPLETION DEPTH (FT BGS) 18.0	ROCK DEPTH (FT) Not Encountered	
TYPE BIT Direct Push Casing	SIZE AND TYPE CORE BARREL n/a	NO. SAMPLES 5	DIST. 5	UNDIST. 0
CASING 2-inch diameter	WATER DEPTH n/a	FIRST 5	COMPL. N/A	24HR N/A
CASING HAMMER WEIGHT N/A	DROP n/a	BORING LOCATION Eastern portion of site, southeast of Gas Holder 1B (AOC1)		
SAMPLER 2" Diameter, 4' long w/acetate liner		INSPECTOR John Karon		
SAMPLER HAMMER WEIGHT N/A	DROP n/a			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0' - 8.5' Dark Brown (7.5YR 3/4) FILL: silty fine to medium sand, ash material (AM), and brick pieces, firm, moist		0		1	3.2	N/A	13:00	0.0	0.0	13:00	n/a	n/a	
		-						0.0					
		-						0.0					
		-						0.0					
		-						0.0					
		-						0.0					
		-						0.0					
		-						0.0					
		-						0.0					
		-						0.0					
8.5' - 10.0' FILL: brown (7.5YR 4/4) silty fine SAND, firm, wet		4		2	3.0	N/A	13:05	0.0	0.0	13:05	n/a	n/a	Wet at 5.0'
		-						0.0					
		-						0.0					
		-						0.0					
		-						0.0					
		-						0.0					
		-						0.0					
		-						0.0					
		-						0.0					
		-						0.0					
10.0' - 15.5' FILL: dark Brown (7.5YR 3/4) silty fine sand with AM, firm, moist		8		3	3.3	N/A	13:15	0.0	0.0	13:15	n/a	n/a	
		-						0.0					
		-						0.0					
		-						0.0					
		-						0.0					
		-						35					
		-						45					
		-						32					
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10.5' - 11.0' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr⁺⁶ at 14:10

LOG OF SOIL BORING B107A

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)			PROJECT NUMBER						
Halladay Street, Jersey City, New Jersey			15.0			020667601						
DESCRIPTION	Sample Interval	Depth (ft bgs)	Samples				PID READINGS (PPM)					REMARKS
			Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
15.5' - 17.0' FILL: very dark gray (10YR 3/1) SILT (ML), silt and very fine sand, firm, moist 												

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Remedial Investigation (Phase I)**

SCHOOR DEPALMA

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LOG OF SOIL BORING B1101

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 15.0		PROJECT NUMBER 020667601									
DRILLING CONTRACTOR Advanced Drilling, Inc.			FOREMAN Craig Jablonski		DATE STARTED 08/15/03		DATE COMPLETED 08/15/03								
DRILLING EQUIPMENT Geoprobe				COMPLETION DEPTH (FT BGS) 20.0		ROCK DEPTH (FT) Not Encountered									
TYPE BIT Direct Push Casing			SIZE AND TYPE CORE BARREL		NO. SAMPLES DIST. 5		UNDIST. 0 CORE 0								
CASING 2-inch diameter			2-in diam 4-ft acetate liner		WATER DEPTH FIRST 4		COMPL. N/A 24HR N/A								
CASING HAMMER		WEIGHT N/A	DROP N/A		BORING LOCATION Northern portion of site, within footprint of former Tar still area (AOC11)										
SAMPLER Direct Push Casing			INSPECTOR John Karon												
SAMPLER HAMMER		WEIGHT N/A	DROP N/A												
DESCRIPTION			Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
						Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-5.4' Dark Brown (7.5YR 3/4) FILL: Silty Fine Sand and rounded gravel up to 1.5" with brick, concrete and Chromate Ore Processing Residual (COPR) pieces, firm, dry				0		1	2.9	N/A	1040	0.0	0.0	1040	N/A	0.0-0.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1045	
				-						0.0					
				-						0.0					
				-						0.0					
				-						0.0					
				-						0.0					
				-						0.0					
				-						0.0					
				-						0.0					
				-						0.0					
				-						0.0					
				-						0.0					
Wet at 4.0'				4	▽	2	3.3	N/A	1050	0.0	0.0	1050	0.0	4.5-5.0' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 1225	
5.4-5.7' Black (2.5Y 2.5/1) FILL: Silty Fine Sand, firm, wet				-						0.0					
				-						0.0					
				-						0.0					
				-						0.0					
				-						0.0					
				-						0.0					
				-						0.0					
				-						0.0					
				-						0.0					
				-						0.0					
				-						0.0					
				-						0.0					
5.7-9.9' Very Dark Gray (10YR 3/1) FILL: Silty Fine Sand, firm, wet				8		3	3.1	N/A	1100	15.0	0.0	1100	0.0	6.6-7.3' Sample for TAL Metals and Cr ⁺⁶ at 1230	
				-						65.0					
				-						52.0					
				-						47.0					
				-						90.0					
				-						111.0					
				-						77.0					
				-											
				-											
				-											
				-											
				-											
9.9-11.1' White, Yellow, Gray FILL: Silty Fine Sand, ash material (AM), clinker material (CM) and Coal pieces, firm, wet				10										9.5-10.0' Sample for TAL Metals and Cr ⁺⁶ at 1240	
				-											
				-											
				-											
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**PSEG SC Former Halladay Street Gas Works Site
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LOG OF SOIL BORING B1101

PROJECT LOCATION Halladay Street, Jersey City, New Jersey	GROUND ELEVATION (FT. MSL) 15.0	PROJECT NUMBER 020667601
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DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6In	Time	Sample	Ambient Air	Time	Head Space	Time Date	
12.0-14.3' Very Dark Gray (10YR 3/1) FILL: Silty Fine Sand, firm, wet		- 12 -		4	2.3	N/A	1105	199	0.0	1105	N/A		12.0-12.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1115
		- -						199					
		- 13 -						199					
		- -						199					
		- 14 -						199					
		- -						199					
		- 15 -											
		- -											
16.0-18.0' Peat		- 16 -		5	4.0	N/A	1110	65	0.0	1110	0.0		16.0-16.5' Sample for TAL Metals and Cr+6 at 1245
		- -						55					
		- 17 -						60					
		- -						35					
18.0-19.2' Reddish Gray (5YR 5/2) Silty Fine Sand, firm, wet		- 18 -						14					
		- -						11					
		- 19 -						3					
19.2-20.0' Yellowish Red (5YR 5/6) Silty Fine Sand with trace gravel up to 1/2", firm, moist		- -						3					19.5-20.0' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1125
End of boring at 20.0'		- 20 -											
		- -											
		- 21 -											
		- -											
		- 22 -											
		- -											
		- 23 -											
		- -											
		- 24 -											
		- -											
		- 25 -											
		- -											
		- 26 -											

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LOG OF SOIL BORING B1201

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL) 14.0		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski		DATE COMPLETED 08/15/03	
DRILLING EQUIPMENT Geoprobe		DATE STARTED 08/15/03		COMPLETION DEPTH (FT BGS) 19.0	
TYPE BIT Direct Push Casing		SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner		ROCK DEPTH (FT) Not Encountered	
CASING 2-inch diameter		NO. SAMPLES 0		DIST 0	
CASING HAMMER WEIGHT N/A		DROP N/A		UNDIST. 0	
SAMPLER Direct Push Casing		BORING LOCATION Northern portion of site, within footprint of former Oil Pump house area (AOC12)		CORE 0	
SAMPLER HAMMER WEIGHT N/A		DROP N/A		INSPECTOR John Karon	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-6.0' Dark Brown (7.5YR 3/4) FILL: Silty Fine Sand with brick, concrete and trace clinker material (CM) pieces, firm, dry		0		1	2.7	N/A	1155	0.0	0.0	1155	N/A		0.0-0.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1205
								0.0					
		1						0.0					
								0.0					
		2						0.0					1.5-2.0' Sample for VOC at 1205
								0.0					
								0.0					
		3											
		4	▽	2	3.2	N/A	1200	0.0	0.0	1200	0.0		
Chromate Ore Processing Residual (COPR) from 4.0-6.0'								0.0					
		5						0.0					
								0.0					
		6						0.0					5.0-5.5' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 1435
								0.0					
								0.0					
		7						31					6.7-7.2' Sample for TAL Metals and Cr ⁺⁶ at 1440
		8		3	3.2	N/A	1205	88	0.0	1205	0.0		Trace oil material (OM) from 8-11.2'
								112					
6.0-6.5' Brick pieces								182					
								199					
		9											
								199					
								154					
		10											
								160					
		11											
6.5-12.0' Black, Yellow and Light Gray FILL: ash material (AM), clinker material (CM) and Fine to Coarse Sand, firm, wet													
		12											

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LOG OF SOIL BORING B1201

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)			PROJECT NUMBER								
Halladay Street, Jersey City, New Jersey			14.0			020667601								
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS	
				Number	Recov. (ft)	Penetr. Resist. BU/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date		
6.5-13.0' Black, Yellow and Light Gray FILL: ash material (AM), clinker material (CM) and Fine to Coarse Sand, firm, wet	- 12 -	- 12 -	- 12 -	4	2.6	N/A	1215	144	0.0	1215	N/A		12.5-13.0' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1220	
13.0-14.6' Peat with trace OM	- 13 -	- 13 -	- 13 -					199						13.0-13.5' Sample for TAL Metals and Cr+6 at 1450
	- 13 -	- 13 -	- 13 -					53						
	- 13 -	- 13 -	- 13 -					87						
	- 14 -	- 14 -	- 14 -					47					Trace oil material (OM) from 13 19'	
	- 14 -	- 14 -	- 14 -					52						
	- 15 -	- 15 -	- 15 -											
	- 15 -	- 15 -	- 15 -											
16.0-19.0' Reddish Brown (5YR 5/3) Silty Fine Sand with trace OM, firm wet	- 16 -	- 16 -	- 16 -	5	3.0	N/A	1220	17	0.0	1220	0.0		18.5-19.0' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1230	
	- 16 -	- 16 -	- 16 -					29						
	- 17 -	- 17 -	- 17 -					17						
	- 17 -	- 17 -	- 17 -					23						
	- 18 -	- 18 -	- 18 -					29					18.5-19.0' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1230	
	- 18 -	- 18 -	- 18 -					25						
	- 19 -	- 19 -	- 19 -											
	- 19 -	- 19 -	- 19 -											
Refusal at 19.0'	- 20 -	- 20 -	- 20 -											
	- 21 -	- 21 -	- 21 -											
	- 22 -	- 22 -	- 22 -											
	- 23 -	- 23 -	- 23 -											
	- 24 -	- 24 -	- 24 -											
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	- 26 -	- 26 -	- 26 -											

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**PSEG SC Former Halladay Street Gas Works Site
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LOG OF SOIL BORING B1301

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 15.0				PROJECT NUMBER 020667601														
DRILLING CONTRACTOR Advanced Drilling, Inc.				FOREMAN Craig Jablonski				DATE STARTED 08/15/03				DATE COMPLETED 08/15/03										
DRILLING EQUIPMENT Geoprobe				COMPLETION DEPTH (FT BGS) 18.0				ROCK DEPTH (FT) Not Encountered														
TYPE BIT Direct Push Casing				SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner				NO. SAMPLES DIST.		0 0		UNDIST. 0		CORE 0								
CASING 2-inch diameter								WATER DEPTH FIRST		4 4		COMPL. N/A		24HR N/A								
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION Northern portion of site, within footprint of former Oil Tank area (AOC13)																
SAMPLER Direct Push Casing								INSPECTOR John Karon														
SAMPLER HAMMER		WEIGHT N/A		DROP N/A																		
DESCRIPTION				Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS						
							Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date							
0.0-5.2' Dark Brown (7.5YR 3/4) FILL: Silty Fine Sand with brick, concrete, glass and wood chip pieces, firm, dry				-	0	-	-	1	2.5	N/A	1410	0.0	0.0	1410	N/A	0.0-0.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1510						
Wet at 4.0'				-	4	-	▽	2	2.9	N/A	1415	0.0	0.0	1415	0.0	1.5-2.0' Sample for VOC at 1510 2.0-2.5' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 1515						
5.2-11.0' Fill: Black, White and Yellow ash material (AM), clinker material (CM) and Coal pieces, firm, wet				-	5	-	-								6.4-6.9' Sample for TAL Metals and Cr ⁺⁶ at 1515							
				-	8	-	-	3	3.0	N/A	1425	65	0.0	1425	0.0							
				-	9	-	-															
				-	10	-	-															
				-	11	-	-															
				-	12	-	-															

**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

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LOG OF SOIL BORING B1301

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)				PROJECT NUMBER						
Halladay Street, Jersey City, New Jersey				15.0				020667601						
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS	
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date		
12.0-14.0' Fill: Black, White and Yellow ash material (AM), clinker material (CM) and Coal pieces, firm, wet		- 12 -		4	3.9	N/A	1430	73	0.0	1430	N/A		Oil material (OM) from 13.5-14'	
		- - -												
		- 13 -												
		- - -												
14.0-14.5' Peat		- 14 -						99					14.0-14.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1435	
		- - -												
		- 15 -						74						
		- - -												
14.5-17.5' Dark Brown (7.5YR 3/4) Silty Fine Sand, brick pieces from 17-17.5',		- 16 -		5	1.5	N/A	1435	54	0.0	1435	0.0		16.5-17.0' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1445	
		- - -												
		- 17 -						64						
		- - -												
Refusal at 18.0'		- 18 -												
		- - -												
		- 19 -												
		- - -												
		- 20 -												
		- - -												
		- 21 -												
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**PSEG SC Former Halladay Street Gas Works Site
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LOG OF SOIL BORING B1302

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL) 15.0		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski		DATE COMPLETED 08/15/03	
DRILLING EQUIPMENT Geoprobe		DATE STARTED 08/15/03		ROCK DEPTH (FT) Not Encountered	
COMPLETION DEPTH (FT BGS) 18.0		NO. SAMPLES 5		DIST. 0	
TYPE BIT Direct Push Casing		SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner		UNDIST. N/A	
CASING 2-inch diameter		WATER DEPTH 4		CORE N/A	
CASING HAMMER WEIGHT N/A		DROP N/A		BORING LOCATION Central portion of site, within the area of a former Oil tank (AOC13)	
SAMPLER Direct Push Casing		INSPECTOR John Karon			
SAMPLER HAMMER WEIGHT N/A		DROP N/A			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-2.5' FILL: Dark Brown (7.5YR 3/2) Silty Fine Sand with Chromate Ore Processing Residual (COPR), glass and brick pieces, firm, moist		0		1	2.5	N/A	1515	0.0	0.0	1515	N/A	0.0-0.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1520	
		-						0.0					
		- 1 -						0.0					
		-						0.0					
		- 2 -										1.5-2.0' Sample for VOC at 1520	
		-						0.0					
		- 3 -											
		-											
		- 4 -											
		-											
4.0-6.0' FILL: Dark Brown (7.5YR 3/2) Silty Fine Sand and COPR, firm, wet		4	▽	2	3.1	N/A	1520	0.0	0.0	1520	0.0		
6.0-7.1' Black (5YR 2.5/1) ash material (AM), clinker material (CM) and Coal pieces, firm, wet		- 5 -						0.0					
		-						0.0					
		- 6 -						0.0					
		-						0.0					
		- 7 -						0.0					
		-						0.0					
		- 8 -											
		-											
		- 9 -											
		-											
8.0-10.0' FILL: Dark Brown (7.5YR 3/2) Silty Fine Sand and COPR, firm, wet		8		3	3.0	N/A	1522	0.0	0.0	1522	0.0		
10.0-11.0' FILL: Black AM, CM and Coal pieces, firm, wet		-						0.0					
		- 9 -						0.0					
		-						0.0					
		- 10 -						0.0				10.0-10.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1535	
		-						0.0					
		- 11 -											
		-											
		- 12 -											
		-											

LOG OF SOIL BORING B1302

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)			PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey			15.0			020667601							
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)				REMARKS	
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space		Time Date
12.0-13.0' Dark Brown (7.5YR 3/2) Silty Fine Sand and COPR, firm, wet		12		4	1.0	N/A	1525	0.0	0.0	1525	N/A	12.0-12.5' Sample for TAL Metals, PCBs and Cr+6 at 1525	
								0.0					
		13											
		14											
		15											
		16		5	2.0	N/A	1535	0.0	0.0	1535	0.0		
16.5-17.5' Olive Brown (2.5Y 4/3) Silty Fine Sand, firm, wet								0.0					
		17						0.0				17.0-17.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1540	
								0.0					
17.5-18.0' Reddish Brown (5YR 4/3) Silty Fine Sand, firm, wet								0.0					
		18											
Refusal at 18.0'													
		19											
		20											
		21											
		22											
		23											
		24											
		25											
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LOG OF SOIL BORING B1303 (G-6)

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 15.0		PROJECT NUMBER 020667601									
DRILLING CONTRACTOR Advanced Drilling, Inc.			FOREMAN Craig Jablonski		DATE STARTED 08/19/03		DATE COMPLETED 08/19/03								
DRILLING EQUIPMENT Geoprobe					COMPLETION DEPTH (FT BGS) 20.0		ROCK DEPTH (FT) Not Encountered								
TYPE BIT Direct Push Casing			SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner		NO. SAMPLES DIST. 5		UNDIST. 0		CORE 0						
CASING 2-inch diameter			2-in diam 4-ft acetate liner		WATER DEPTH FIRST 5		COMPL. N/A		24HR N/A						
CASING HAMMER		WEIGHT N/A	DROP N/A		BORING LOCATION Central portion of site, within footprint of former Oil tank (AOC13)										
SAMPLER Direct Push Casing															
SAMPLER HAMMER		WEIGHT N/A	DROP N/A		INSPECTOR John Karon										
DESCRIPTION			Sample Interval	Depth (ft bgs)	Samples				PID READINGS (PPM)					REMARKS	
					Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date		
0.0-0.3' Concrete Slab			- 0 -		1	3.0	N/A	1155	0.0	0.0	1155	N/A		0.3-0.8' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1200	
0.3-1.3' FILL: Brownish Yellow (10YR 6/6) Fine Sand, firm, dry			- - -					0.0							
			- 1 -					0.0							
			- - -					0.0							
			- 2 -					0.0							
1.3-5.0' FILL: Dark Brown (7.5YR 3/2) Silty Fine Sand with Chromate Ore Processing Residual (COPR) and concrete pieces, firm, dry			- - -											1.8-2.3' Sample for VOC at 1200	
			- 2 -												
			- - -					0.0							
			- 3 -					0.0							
			- - -												
5.0-6.4' FILL: Strong Brown (7.5YR 4/6) and Grayish Brown (10YR 5/2) mottled Silty Fine Sand and COPR, firm, wet			- 4 -		2	3.1	N/A	1200	0.0	0.0	1200	0.0			
			- - -					0.0							
			- 5 -	▽				0.0							
			- - -					0.0							
			- 6 -					0.0							
6.4-7.1' FILL: Dark Brown Silty Fine Sand and COPR with Grayish Green (Gley1 4/2) Chromium precipitate, firm, wet			- - -											6.4-6.9' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 1210	
			- 7 -					0.0							
			- - -					0.0							
			- 8 -												
			- - -												
8.0-9.0' FILL: Dark Brown Silty Fine Sand and COPR, firm, wet			- 8 -		3	2.9	N/A	1210	0.0	0.0	1210	0.0			
			- - -					0.0							
			- 9 -					0.0							
			- - -					0.0							
			- 10 -					0.0							
10.2-12.0' Brown (7.5YR 4/3) SAND (SM), silty fine sand, firm, wet			- - -					0.0							
			- 11 -					0.0							
			- - -												
			- 12 -												
			- - -												

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LOG OF SOIL BORING B1303 (G-6)

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)			PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey			15.0			020667601							
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
12.0-18.0' Brown (7.5YR 4/3) SAND (SM), silty fine sand, firm, wet		- 12 -		4	2.5	N/A	1215	0.0	0.0	1215	N/A		12.0-12.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1215
		- - -						0.0					
		- 13 -						0.0					
		- - -						0.0					
		- 14 -						0.0					
		- - -											
		- 15 -											
		- - -											
		- 16 -		5	3.5	N/A	1220	0.0	0.0	1220	0.0		
		- - -							0.0				
18.0-19.5' Peat		- 17 -						0.0					
		- - -						0.0					
		- 18 -						0.0				18.0-18.5' Sample for TAL Metals and Cr+6 at 1400	
		- - -						0.0					
End of boring at 20.0'		- 19 -						0.0					
		- - -						0.0					
		- 20 -											
		- - -											
		- 21 -											
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		- 22 -											
		- - -											
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**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

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LOG OF SOIL BORING B1304A

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL) 14.0		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski		DATE STARTED 08/20/03	
DRILLING EQUIPMENT Geoprobe		COMPLETION DEPTH (FT BGS) 20.0		DATE COMPLETED 08/20/03	
TYPE BIT Direct Push Casing		SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner		ROCK DEPTH (FT) Not Encountered	
CASING 2-inch diameter		NO. SAMPLES 5		DIST. 5	
CASING HAMMER WEIGHT N/A		DROP N/A		UNDIST. 0	
SAMPLER Direct Push Casing		BORING LOCATION Northwestern portion of site, in the area of a former Oil tank (AOC13)		CORE 0	
SAMPLER HAMMER WEIGHT N/A		DROP N/A		COMPL. N/A	
		INSPECTOR John Karon		24HR N/A	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-0.3' Concrete Slab		0		1	2.6	N/A	925	0.0	0.0	925	N/A		Located 30' west of B1304
0.3-1.9' FILL: Brownish Yellow (10YR 6/6) Fine Sand and concrete pieces, firm, dry		-						0.0					0.3-0.8' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 0945
		- 1 -						0.0					
		-						0.0					
		-						0.0					
1.9-2.6' FILL: Dark Brown (7.5YR 3/2) Silty Fine Sand and concrete pieces, firm, dry		- 2 -						0.0					1.8-2.3' Sample for VOC at 0945
		-						0.0					
		-						0.0					
		- 3 -						0.0					
4.0-10.0' FILL: Brown (7.5YR 4/4) and Gray (7.5YR 5/1) mottled Silty Fine Sand and Chromate Ore Processing Residual (COPR), firm, wet		- 4 -	▽	2	3.2	N/A	935	0.0	0.0	935	0.0		5.0-5.5' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 1000
		-						0.0					
		- 5 -						0.0					
		-						0.0					
		-						0.0					
		- 6 -						0.0					
		-						0.0					
		- 7 -						0.0					
10.0-11.0' FILL: Dark Reddish Brown (5YR 3/4) Silty Fine Sand and COPR, firm, wet		- 8 -		3	3.8	N/A	955	0.0	0.0	955	0.0		11.0-11.5' Sample for TAL Metals and Cr+6 at 1055
		-						0.0					
		- 9 -						0.0					
		-						0.0					
11.0-11.8' FILL: Black (5YR 2.5/1) Coal dust and pieces, firm, wet		- 10 -						0.0					
		-						0.0					
		- 11 -						0.0					
		-						0.0					
	- 12 -							0.0					

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**PSEG SC Former Halladay Street Gas Works Site
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LOG OF SOIL BORING B1304A

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)			PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey			14.0			020667601							
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
12.0-13.8' FILL: Black (5YR 2.5/1) Coal dust and pieces, firm, wet		- 12 -		4	2.1	N/A	1010	66.0	0.0	1010	N/A		Trace oil material (OM) from 13-14'
		- - -						85.0					
		- 13 -						199.0					
		- - -						199.0					
13.8-16.58' Dark Gray (10YR 4/1) Silty Fine Sand, firm, wet		- 14 -											13.8-14.1' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1020
		- - -											
		- 15 -											
		- - -											
		- 16 -											
		- - -											
		- 17 -											
		- - -											
16.5-18.0' Reddish Brown (5YR 4/4) Silty Fine Sand, firm, wet		- 18 -		5	3.7	N/A	1020	35.0	0.0	1020	0.0		18.0-18.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1025
		- - -						22.0					
		- 17 -						5.0					
		- - -						3.0					
18.0-18.8' Dark Grayish Brown (2.5Y 4/2) Silty Fine Sand, firm, wet		- 18 -						0.0					18.0-18.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1025
		- - -						0.0					
		- 19 -						0.0					
		- - -						0.0					
18.8-19.7' Peat		- 20 -											
		- - -											
		- 21 -											
		- - -											
		- 22 -											
		- - -											
		- 23 -											
		- - -											
		- 24 -											
		- - -											
		- 25 -											
		- - -											
End of boring at 20.0'		- 26 -											
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LOG OF SOIL BORING B1304B

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL) 14.5		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski		DATE COMPLETED 08/20/03	
DRILLING EQUIPMENT Geoprobe		COMPLETION DEPTH (FT BGS) 24.0		ROCK DEPTH (FT) Not Encountered	
TYPE BIT	Direct Push Casing	SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 6
CASING	2-inch diameter	2-in diam 4-ft acetate liner		UNDIST.	0
CASING HAMMER	WEIGHT N/A	DROP N/A		CORE	0
SAMPLER	Direct Push Casing	BORING LOCATION		WATER DEPTH	FIRST 4
SAMPLER HAMMER	WEIGHT N/A	DROP N/A		COMPL.	N/A
		INSPECTOR		24HR	N/A
				Northwestern portion of site, in the area of a former Oil tank (AOC13)	
				John Karon	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-0.3' Concrete Slab		0											
0.3-1.0' FILL: Yellowish Brown (10YR 5/6) Fine Sand, firm, dry		-		1	3.0	N/A	1040	0.0	0.0	1040	N/A		0.3-0.8' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1045
1.0-1.5' FILL: Concrete pieces with Yellow Chromium precipitations, firm, dry		- 1 -						0.0					
1.5-3.0' FILL: Dark Brown (7.5YR 3/2) Silty Fine Sand with brick and concrete pieces, firm, dry		-						0.0					1.8-2.3' Sample for VOC at 1045
		- 2 -						0.0					
		-						0.0					
		- 3 -						0.0					
		-											
4.0-7.9' FILL: Brown (7.5YR 4/4) and Gray (7.5YR 5/1) mottled Silty Fine Sand and Chromate Ore Processing Residual (COPR), firm, wet		- 4 -	▽	2	3.9	N/A	1045	0.0	0.0	1045	0.0		4.5-5.0' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 1050
		-						0.0					
		- 5 -						0.0					
		-						0.0					
		- 6 -						0.0					
		-						0.0					
		- 7 -						0.0					
		-						0.0					
8.0-9.5' FILL: Dark Reddish Brown (5YR 3/4) Silty Fine Sand and COPR, firm, wet		- 8 -		3	3.1	N/A	1050	0.0	0.0	1050	0.0		
		-						0.0					
		- 9 -						0.0					
9.5-10.3' FILL: Yellowish Brown (10YR 5/6) Silty Fine Sand, firm, wet		- 10 -						0.0					9.5-10.0' Sample for TAL Metals and Cr ⁺⁶ at 1210
		-						0.0					
10.3-12.0' FILL: Very Dark Grayish Brown (10YR 3/2) Silty Fine Sand, firm, wet		- 11 -						0.0					
		-						0.0					
		- 12 -						0.0					

**PSEG SC Former Halladay Street Gas Works Site
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LOG OF SOIL BORING B1304B

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)			PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey			14.5			020667601							
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
12.0-13.0' FILL: Very Dark Grayish Brown (10YR 3/2) Silty Fine Sand, firm, wet		- 12 -		4	2.9	N/A	1055	0.0	0.0	1055	N/A		Oil material (OM) from 12.5-17.8
		- - -						0.0					
		- - -						0.0					
13.0-16.5' FILL: Black (5YR 2.5/1) ash material (AM), clinker material (CM), coal pieces, firm, wet		- 13 -						12.0					
		- - -						17.0					
		- - -						17.0					
		- 14 -											
		- - -											
		- 15 -											
		- - -											
		- 16 -		5	3.7	N/A	1110	35.0	0.0	1110	0.0		
16.5-17.8' FILL, Dark Gray (7.5YR 4/1) AM, firm, wet		- - -						8.0					
		- 17 -						6.0					17.3-17.8' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1115
17.8-19.7' Peat		- - -						30.0					
		- 18 -						25.0					
		- - -						37.0					
		- 19 -						40.0					
		- - -						42.0					
20.0-22.1' Gray (5YR 5/1) Silty Fine Sand, firm, wet		- 20 -		6	3.7	N/A	1115	20.0		1115			
		- - -						15.0					
		- 21 -						10.0					
		- - -						8.0					
22.1-23.7' Reddish Brown (5YR 4/4) Fine to Medium Sand, trace Silt, firm, wet		- 22 -						0.0					22.0-22.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1115
		- - -						0.0					
		- 23 -						0.0					
		- - -						0.0					
End of boring at 24.0'		- 24 -											
		- - -											
		- 25 -											
		- - -											
		- 26 -											

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Remedial Investigation (Phase I)**

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LOG OF SOIL BORING B1304C

PROJECT LOCATION Halladay Street, Jersey City, New Jersey			GROUND ELEVATION (FT. MSL) 14.0		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski	DATE STARTED 08/20/03		DATE COMPLETED 08/20/03	
DRILLING EQUIPMENT Geoprobe			COMPLETION DEPTH (FT BGS) 15.0		ROCK DEPTH (FT) Not Encountered	
TYPE BIT Direct Push Casing	SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner		NO. SAMPLES 4	DIST. 4	UNDIST. 0	CORE 0
CASING 2-inch diameter	DROP N/A		WATER DEPTH FIRST	4	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	BORING LOCATION Northwestern portion of site, in the area of a former Oil tank (AOC13)				
SAMPLER Direct Push Casing						
SAMPLER HAMMER	WEIGHT N/A	DROP N/A	INSPECTOR John Karon			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-0.3' Concrete Slab		0		1	3.0	N/A	1330	0.0	0.0	1330	N/A		Located 60' west of B1304B
0.3-1.5' FILL: Brownish Yellow (10YR 6/6) Fine Sand, firm, dry; chromium precipiations from 1.0-1.5'		-						0.0					0.3-0.8' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1335
		- 1 -						0.0					1.8-2.3' Sample for VOC at 1335
1.5-4.5' FILL: Dark Brown (7.5YR 3/3) Silty Fine Sand with brick and concrete pieces, firm, dry		-						0.0					
		- 2 -						0.0					
		-						0.0					
		- 3 -						0.0					
		-						0.0					
		- 4 -	▽	2	2.6	N/A	1335	0.0	0.0	1335	0.0		
4.5-6.5' FILL: Brown (10YR 4/3) Silty Fine Sand and Chromate Ore Processing Residual (COPR) with Grayish Green (GLE Y1 4/2) precipitate from 6.1-6.5'		-						0.0					
		- 5 -						0.0					
		-						0.0					
		- 6 -						0.0					6.1-6.5' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 1400
		-						0.0					
		- 7 -						0.0					
		-						0.0					
8.0-10.0' FILL: Dark Brown (7.5YR 3/2) Silty Fine Sand and COPR, firm, wet		- 8 -		3	3.7	N/A	1340	0.0	0.0	1340	0.0		
		-						0.0					
		- 9 -						0.0					
		-						0.0					
10.0-10.6' FILL: Dark Yellowish Brown (10YR 4/4) Silty Fine Sand, firm, wet		- 10 -						0.0					10.0-10.5' Sample for TAL Metals and Cr+6 at 1445
10.6-10.9' FILL: Light Reddish Brown (5YR 6/3) Silty Fine Sand, firm, moist		-						0.0					
10.9-11.7' FILL: Dark Brown Silty Fine Sand with glass, brick and coal pieces, firm, moist		- 11 -						0.0					
		-						0.0					
		- 12 -											

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LOG OF SOIL BORING B1304C

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey				14.0		020667601							
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BU/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
12.0-15.0' FILL, Black Coal dust and pieces, firm, wet Refusal at 15.0'		- 12 -		4	3.0	N/A	1400	0.0	0.0	1400	N/A		
		- - -						0.0					
		- 13 -						0.0					
		- - -						0.0					
		- 14 -						0.0					
		- - -						0.0					
		- 15 -						0.0					14.5-15.0' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1410
		- - -											
		- 16 -											
		- - -											
		- 17 -											
		- - -											
		- 18 -											
		- - -											
		- 19 -											
		- - -											
		- 20 -											
		- - -											
		- 21 -											
		- - -											
		- 22 -											
		- - -											
		- 23 -											
		- - -											
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LOG OF SOIL BORING B1401

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL) 14.5		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski		DATE STARTED 08/19/03	
DRILLING EQUIPMENT Geoprobe		COMPLETION DEPTH (FT BGS) 22.0		DATE COMPLETED 08/19/03	
TYPE BIT Direct Push Casing		SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner		ROCK DEPTH (FT) Not Encountered	
CASING 2-inch diameter		NO. SAMPLES 6		DIST. 0	
CASING HAMMER WEIGHT N/A		WATER DEPTH FIRST 4		COMPL. N/A	
SAMPLER Direct Push Casing		DROP N/A		BORING LOCATION Western portion of site, within footprint of former Coal shed (AOC14)	
SAMPLER HAMMER WEIGHT N/A		DROP N/A		INSPECTOR John Karon	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-0.3' Concrete Slab		0											
0.3-2.9' FILL: Very Pale Brown (10YR 7/4) Fine Sand and concrete pieces, firm, dry		-		1	3.0	N/A	1400	0.0	0.0	1400	N/A		0.3-0.8' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1425
		-											
		- 1 -											
		-											
		-											1.8-2.3' Sample for VOC at 1425
		-											
		- 2 -											
		-											
2.9-6.4' FILL: Very Dark Grayish Brown (10YR 3/2) Silty Fine Sand with Yellow Chromium precipitations and Chromate Ore Processing Residual (COPR), firm, dry		-											2.5-3.0' Sample for TAL Metals and Cr ⁺⁶ at 1500
		-											
		- 3 -											
		-											
Wet at 4.0'		-											
		- 4 -		2	2.4	N/A	1410	0.0	0.0	1410	0.0		
		-											
		- 5 -											
		-											
		-											
		- 6 -											
		-											
		-											
		-											
		- 7 -											
		-											
8.0-9.0' FILL: Dark Reddish Brown (5YR 3/4) Silty Fine Sand and COPR, firm, wet		-											
		- 8 -		3	3.3	N/A	1430	0.0	0.0	1430	0.0		
		-											
		- 9 -											
9.0-9.5' FILL: Dark Reddish Brown (5YR 3/4) Silty Fine Sand with Grayish Green (GLEY1 4/2) COPR precipitate, firm, wet		-											9.0-9.5' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 1450
		-											
		-											
		- 10 -											
9.5-11.3' FILL: Dark Reddish Brown Silty Fine Sand and COPR, firm, wet		-											
		-											
		-											
		- 11 -											
		-											
		- 12 -											

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LOG OF SOIL BORING B1401

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)			PROJECT NUMBER							
Halfaday Street, Jersey City, New Jersey			14.5			020667601							
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BU/6In	Time	Sample	Ambient Air	Time	Head Space	Time Date	
12.0-13.5' FILL: Dark Reddish Brown Silty Fine Sand and COPR, firm, wet		- 12 -		4	3.0	N/A	1455	0.0	0.0	1455	N/A		
		- - -						0.0					
		- 13 -						0.0					
		- - -						0.0					
13.5-15.0' FILL: Black (2.5Y 2.5/1) ash material (AM), clinker material (CM), Coal pieces, firm, wet		- 14 -						20.0					
		- - -						25.0					
		- 15 -											14.5-15.0' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1500
		- - -											
		- 16 -		5	0.0	N/A	1500		0.0	1500	0.0		
16.0-20.0' No recovery		- - -											
		- 17 -											
		- - -											
		- 18 -											
		- - -											
		- 19 -											
		- - -											
		- 20 -		6	2.0	N/A	1505	0.0	0.0	1505	0.0		
20.0-22.0' Yellowish Brown (10YR 5/6) Silty Fine Sand, firm, wet		- - -						0.0					
		- 21 -						0.0					
		- - -						0.0					
		- 22 -											
Refusal at 22.0'		- - -											
		- 23 -											
		- - -											
		- 24 -											
		- - -											
		- 25 -											
		- - -											
		- 26 -											

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LOG OF SOIL BORING B1402

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL) 14.5	PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.	FOREMAN Craig Jablonski	DATE STARTED 08/19/03	DATE COMPLETED 08/19/03	
DRILLING EQUIPMENT Geoprobe		COMPLETION DEPTH (FT BGS) 22.5	ROCK DEPTH (FT) Not Encountered	
TYPE BIT Direct Push Casing	SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner	NO. SAMPLES 6	DIST. UNDIST.	CORE 0
CASING 2-inch diameter	2-in diam 4-ft acetate liner	WATER DEPTH FIRST	4	COMPL. N/A
CASING HAMMER WEIGHT N/A	DROP N/A	BORING LOCATION Northwestern portion of site, in the area of a former Coal Trestle (AOC14)		
SAMPLER Direct Push Casing		INSPECTOR John Karon		
SAMPLER HAMMER WEIGHT N/A	DROP N/A			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS	
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date		
0.0-2.1' FILL: Dark Brown (7.5YR 3/2) Silty Fine Sand, asphalt and concrete pieces, firm, dry		0		1	2.1	N/A	1525	0.0	0.0	1525	N/A	0.0-0.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1530		
								0.0						
		- 1 -						0.0						
								0.0						
												1.5-2.0' Sample for VOC at 1530		
		- 2 -												
		- 3 -												
	4.0-8.0' No recovery, wet		4	▽	2	0.0	N/A	1530	0.0	0.0	1530	0.0		
			- 5 -											
		- 6 -												
		- 7 -												
8.0-11.0' FILL: Dark Reddish Brown (5YR 3/4) Silty Fine Sand and Chromate Ore Processing Residual (COPR), firm, wet			8		3	4.0	N/A	1535	0.0	0.0	1535	0.0	8.0-8.5' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 1625	
									0.0					
			- 9 -						0.0					
								0.0						
		- 10 -						0.0						
								0.0						
		- 11 -						0.0						
								0.0						
	11.0-12.0' Black (5YR 2.5/1) ash material (AM), clinker material (CM), Coal pieces, firm, wet								0.0					
			- 12 -						0.0					

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LOG OF SOIL BORING B1402

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)			PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey			14.5			020667601							
DESCRIPTION	Sample Interval	Depth (ft bgs)	Samples				PID READINGS (PPM)					REMARKS	
			Number	Recov. (ft)	Penetr. Resist. BU/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date		
11.0-17.5' Black (5YR 2.5/1) AM, CM, coal pieces, firm, wet		- 12 -	4	3.0	N/A	1545	99	0.0	1545	N/A			
		- - -					100						
		- 13 -					89						Tar material (TM) from 13-14'
		- - -					172						
		- 14 -					199				OM from 14-19'		
		- - -					199				14.0-14.5' Sample for TAL Metals and Cr+6 at 1635		
		- 15 -											
		- - -											
		- 16 -	5	3.7	N/A	1555	189	0.0	1555	0.0			
		- - -					172						
	- 17 -	89											
	- - -	101											
17.5-19.0' PEAT		- 18 -					65						
		- - -					89						
19.0-22.5' Gray (5YR 5/1) Silty Fine Sand, firm, wet		- 19 -					17					19.0-19.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1605	
		- - -					2						
		- 20 -	6	2.5	N/A	1605	18	0.0	1605	0.0			
		- - -					25						
	- 21 -	20											
	- - -	19											
		- 22 -					30					22.0-22.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1615	
		- - -											
		- 23 -											
		- - -											
		- 24 -											
		- - -											
		- 25 -											
		- - -											
Refusal at 22.5'		- 26 -											

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LOG OF SOIL BORING B1402A

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 14.5				PROJECT NUMBER 020667601								
DRILLING CONTRACTOR Advanced Drilling, Inc.				FOREMAN Craig Jablonski				DATE STARTED 08/20/03				DATE COMPLETED 08/20/03				
DRILLING EQUIPMENT Geoprobe				COMPLETION DEPTH (FT BGS) 20.0				ROCK DEPTH (FT) Not Encountered								
TYPE BIT Direct Push Casing				SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner				NO. SAMPLES DIST.		5 UNDIST.		0 CORE		0		
CASING 2-inch diameter								WATER DEPTH FIRST		4 COMPL.		N/A 24HR		N/A		
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION Northwestern portion of site, in the area of a former Coal Trestle (AOC14)										
SAMPLER Direct Push Casing																
SAMPLER HAMMER		WEIGHT N/A		DROP N/A		INSPECTOR John Karon										
DESCRIPTION				Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
							Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-0.3' Asphalt and Road Base 0.3-10.0' FILL: Dark Reddish Brown (5YR 3/4) Silty Fine Sand and Chromate Ore Processing Residual (COPR), firm, moist				-	0	-	1	3.1	N/A	0750	0.0	0.0	0750	N/A	0.3-0.8' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 0755 1.5-2.0' Sample for VOC at 0755 2.5-3.0' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 0830	
					-						0.0					
					-						0.0					
					-						0.0					
					-						0.0					
					-						0.0					
					-						0.0					
					-						0.0					
					-						0.0					
					-						0.0					
Wet at 4.0'				▽	4	-	2	3.0	N/A	0755	0.0	0.0	0755	0.0		
				-	0.0											
				-	0.0											
				-	0.0											
				-	0.0											
				-	0.0											
				-	0.0											
				-	0.0											
				-	0.0											
				-	0.0											
10.0-11.8' FILL: Black (5YR 2.5/1) clinker material (CM), Coal pieces, firm, wet				-	8	-	3	3.8	N/A	0800	0.0	0.0	0800	0.0	11.3-11.8' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 0825	
				-	0.0											
				-	0.0											
				-	0.0											
				-	0.0											
				-	0.0											
				-	0.0											
				-	0.0											
				-	22.0											
				-	23.0											
				-	11	-										
				-	27.0											
				-	12	-										
				-												

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LOG OF SOIL BORING B302

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 15.0		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski		DATE STARTED 08/13/03		DATE COMPLETED 08/13/03	
DRILLING EQUIPMENT Geoprobe				COMPLETION DEPTH (FT BGS) 28.0		ROCK DEPTH (FT) Not Encountered	
TYPE BIT Direct Push Casing		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 8	UNDIST. 0	CORE 0
CASING 2-inch diameter		2-in diam 4-ft acetate liner		WATER DEPTH	FIRST 5.5	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	DROP N/A		BORING LOCATION Northern portion of site, within footprint of Purifier house (AOC3)			
SAMPLER Direct Push Casing							
SAMPLER HAMMER	WEIGHT N/A	DROP N/A		INSPECTOR John Karon			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS	
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date		
0.0-2.0' Dark Brown (7.5YR 3/4) FILL: silty fine sand with brick and glass pieces, firm, dry		0		1	3.1	N/A	0955	0.0	0.0	0955	N/A		0.0-0.5' sample for SVOC, TAL Metals, Cyanide, PCBs and Cr ⁺⁶ at 1005	
		-						0.0						
		- 1 -						0.0						
		-						0.0				1.5-2.0' sample for VOC at 1005		
	2.0-11.0' Strong Brown (7.5YR4/6) FILL: silty fine sand, firm, moist		- 2 -						0.0					
			-						0.0					
			- 3 -						0.0					
			-						0.0					
			- 4 -											
			-											
			- 5 -											
			- 6 -											
		- 7 -												
		- 8 -												
		- 9 -												
		- 10 -												
	- 11 -													
	- 12 -													

Wet at 5.5'

Concrete pieces from 9.0-9.1'

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**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

SCHOOR DEPALMA

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LOG OF SOIL BORING B302

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER								
Halladay Street, Jersey City, New Jersey			15.0		020667601								
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples		PID READINGS (PPM)					REMARKS		
				Number	Recov (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time		Head Space	Time Date
12.0-13.3' Strong Brown (7.5 YR 4/6) FILL: silty fine sand, firm, wet	- 12 -	-	-	4	3.3	N/A	1020	199	0.0	1020	N/A	OM from 12.0-21.5'	
13.3-14.3' Strong Brown (7.5 yr 4/6) SAND (SW) coarse sand and rounded gravel up to 1/4", firm, wet	-	-	-					199					
	- 13 -	-	-					199					
	-	-	-					199					
	- 14 -	-	-					199					
14.3-21.5' Strong Brown (7.5 yr 4/6) SAND (SM), silty fine sand, firm, wet	-	-	-					199					
	-	-	-					199					
	- 15 -	-	-					199					
	-	-	-					199					
	- 16 -	-	-	5	3.8	N/A	1030	199	0.0	1030	0.0		
	-	-	-					199					
	- 17 -	-	-					199					
	-	-	-					199					
	- 18 -	-	-					199					
	-	-	-					199					
	- 19 -	-	-					199					
	-	-	-					109					
	- 20 -	-	-	6	3.0	N/A	1045	199	0.0	1045	0.0		
	-	-	-					199					
	- 21 -	-	-					90				21.5-22.0' Sample for VOC, SVOC, Cyanide, PCBs, TAL Metals and Cr+6 at 10:45	
	-	-	-					102					
21.5-26.0' Reddish Brown (5YR 5/4) SAND (SP), fine sand, trace Silt, form, moist to wet	- 22 -	-	-					65					
	-	-	-					55					
	- 23 -	-	-										
	-	-	-										
	- 24 -	-	-	7	3.7	N/A	1110	45	0.0	1110	0.0		
	-	-	-					15					
	- 25 -	-	-					12					
	-	-	-					0.0					
	- 26 -	-	-										

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**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

SCHOOR DEPALMA
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LOG OF SOIL BORING B302

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)			PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey			15.0			020667601							
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
26.0-27.7' Reddish Brown (5 yr 5/4) SAND (SP), Fine Sand, trace Silt, firm, wet <													

**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

SCHOOR DEPALMA
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LOG OF SOIL BORING B303

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL) 15.0		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski		DATE COMPLETED 08/13/03	
DRILLING EQUIPMENT Geoprobe		COMPLETION DEPTH (FT BGS) 23.3		ROCK DEPTH (FT) Not Encountered	
TYPE BIT	Direct Push Casing	SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner		NO. SAMPLES	DIST. 6
CASING	2-inch diameter	WATER DEPTH		FIRST	4
CASING HAMMER	WEIGHT N/A	DROP		N/A	24HR N/A
SAMPLER	Direct Push Casing	BORING LOCATION Northern portion of site, between Old Dynamo room and Purifier house (AOC3)			
SAMPLER HAMMER	WEIGHT N/A	DROP		INSPECTOR John Karon	
		N/A			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-2.0' Dark grayish brown (10YR 4/2) FILL: silty fine sand and gravel pieces, firm, dry		0		1	3.0	N/A	1345	0.0	0.0	1345	N/A	0.0-0.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1345	
		-						0.0					
		1						0.0					
		-						0.0					
		-						0.0					
2.0-6.0' Yellowish brown (10YR 5/6) FILL: silty fine sand, firm, dry		2						0.0				1.5-2.0' Sample for VOC at 1345	
		-						0.0					
		-						0.0					
		3										2.5-3.0' Sample for VOC, SVOC, Cyanide, PCBs, TAL Metals and Cr ⁺⁶ at 1415	
		-											
		-											
Wet at 4.0'		4	▽	2	3.0	N/A	1350	0.0	0.0	1350		4.0-4.5' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 1500	
		-						0.0					
		5						0.0					
		-						0.0					
		-						0.0					
6.0-8.5' Reddish brown (5YR 5/4) FILL: silty fine sand, firm, wet		6						0.0				6.0-6.5' Sample for VOC, SVOC, Cyanide, PCBs, TAL Metals and Cr ⁺⁶ at 1425	
		-						0.0					
		-											
		7											
		-											
		-											
8.5-13.0' Reddish brown FILL: silty fine to medium sand, firm, wet		8		3	2.6	N/A	1400	0.0	0.0	1400			
		-						0.0					
		-						0.0					
		9						0.0					
		-						0.0					
		-						0.0					
		10						0.0					
		-						0.0					
		-						0.0					
		11											
		-											
		-											
		12											

LOG OF SOIL BORING B303

PROJECT LOCATION		GROUND ELEVATION (FT. MSL)		PROJECT NUMBER										
Halladay Street, Jersey City, New Jersey		15.0		020667601										
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS	
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date		
13.0-23.3' Dark reddish gray (5YR 4/2) SAND (SM) silty fine to coarse sand, firm, wet		- 12 -												
				4	3.2	N/A	1410	0.0	0.0	1410	N/A			
								0.0						
			- 13 -					0.0						
							0.0							
							0.0							
			- 14 -					0.0						
							0.0							
							0.0							
			- 15 -					0.0						
							0.0							
							0.0							
			- 16 -					0.0						
							0.0							
							0.0							
			- 17 -					0.0						
							0.0							
							0.0							
			- 18 -					0.0						
							0.0							
							0.0							
			- 19 -					0.0						
							0.0							
							0.0							
		- 20 -					0.0							
						0.0								
						0.0								
		- 21 -					0.0							
						0.0								
						0.0								
		- 22 -					0.0							
						0.0								
						0.0								
		- 23 -					0.0							
						0.0								
						0.0								
		- 24 -												
		- 25 -												
		- 26 -												

End of boring at 23.3'

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**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

SCHOOR DEPALMA
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LOG OF SOIL BORING B304

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL) 13.0		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski		DATE COMPLETED 08/13/03	
DRILLING EQUIPMENT Geoprobe		COMPLETION DEPTH (FT BGS) 8.0		ROCK DEPTH (FT) Not Encountered	
TYPE BIT Direct Push Casing	SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner		NO. SAMPLES DIST. 0	UNDIST. 0	CORE 0
CASING 2-inch diameter	2-in diam 4-ft acetate liner		WATER DEPTH FIRST 4	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	DROP N/A	BORING LOCATION Northern portion of site, within footprint of former Engine room (AOC3)		
SAMPLER Direct Push Casing	DROP N/A		INSPECTOR John Karon		
SAMPLER HAMMER	WEIGHT N/A	DROP N/A			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-2.5' Olive Gray (5Y 4/2) FILL: silty fine sand, brick and concrete pieces, firm, dry		0		1	2.5	N/A	1550	0.0	0.0	1550	N/A		0.0-0.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 15:50
		-						0.0					
		- 1 -						0.0					
		-						0.0					
		- 2 -						0.0					1.5-2.0' Sample for VOC at 15:50
		-											
		- 3 -											2.0-2.5' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 17:10
		-											
Wet at 4.0'		- 4 -	▽	2	3.0	N/A	1605	0.0	0.0	1605			
		-						0.0					
		- 5 -						157					Reddish Brown Oil Material (OM) from 5-7'
5.0-7.0' Black (10YR 2/1) FILL: silty fine sand with Reddish Brown Oil Material (OM), firm, wet		-						185					5.0-5.5' Sample for TAL Metals and Cr ⁺⁶ at 17:15
		- 6 -						172					
		-						165					
		- 7 -											6.5-7.0' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 16:15
		-											
Refusal at 8.0'. Possible concrete foundation.		- 8 -											
		-											
		- 9 -											
		-											
		- 10 -											
		-											
		- 11 -											
		-											
		- 12 -											

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**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

SCHOOR DEPALMA
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LOG OF SOIL BORING B305A

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL) 14.0		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski		DATE COMPLETED 08/13/03	
DRILLING EQUIPMENT Geoprobe		DATE STARTED 08/13/03		COMPLETION DEPTH (FT BGS) 24.0	
TYPE BIT Direct Push Casing		ROCK DEPTH (FT) Not Encountered		NO. SAMPLES 0	
CASING 2-inch diameter		SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner		DIST. 0	
CASING HAMMER WEIGHT N/A		DROP N/A		UNDIST. 0	
SAMPLER Direct Push Casing		BORING LOCATION Northern portion of site, within footprint of former Condenser house (AOC3), 5' north of B305.		CORE 0	
SAMPLER HAMMER WEIGHT N/A		DROP N/A		WATER DEPTH FIRST 4	
				COMPL. N/A	
				24HR N/A	
				INSPECTOR John Karon	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-1.0' Dark Brown (7.5YR 3/4) FILL: silty fine sand with concrete and brick pieces, firm, dry		0		1	3.0	N/A	1615	0.0	0.0	1615	N/A		0.0-0.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁶ at 16:45
1.0-2.0' FILL: Concrete and brick pieces, firm, dry		-						0.0					
		-						0.0					
2.0-6.0' Yellowish Brown (10YR 5/4) FILL: silty fine sand, firm, dry		1						0.0					1.5-2.0' Sample for VOC at 16:45
		-						0.0					
		2						0.0					
		-						0.0					
		3											
		-											
Wet at 4.0 ft		4	▽	2	3.3	N/A	1620	0.0	0.0	1620	0.0		4.0-4.5' Sample for TAL Metals, PCBs and Cr ⁶ at 17:25
		-						0.0					
		5						0.0					
		-						0.0					
6.0-10.2' Light olive brown (2.5Y 5/3) SAND (SM), silty fine sand, firm, moist		6						0.0					
		-						0.0					
		7											
		-											
		8		3	3.2	N/A	1630	0.0	0.0	1630	0.0		
		-						0.0					
		9						0.0					
		-						0.0					
10.2-12.0' Brown (7.5YR 5/4) SAND (SM), silty fine sand, firm, wet		10						56.0					
		-						62.0					
		11						60.0					
		-											
		12											

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**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

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LOG OF SOIL BORING B305A

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)				PROJECT NUMBER					
Halladay Street, Jersey City, New Jersey				14.0				020667601					
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
12.0-15.3' Brown (7.5YR 5/4) SAND (SM), silty fine sand, firm, wet		- 12 -		4	3.9	N/A	1640	199	0.0	1640	N/A		12.0-15.3' Dark Reddish Brown Oil Material (OM)
		- - -						199					
		- 13 -						199					
		- - -						199					
		- 14 -											
		- - -											
		- 15 -											
		- - -											
		- 16 -											
		- - -											
15.3-18.0' Reddish Brown (5YR 5/4) SAND (SM), silty fine sand, firm, wet		- 16 -		5	3.7	N/A	1650	35	0.0	1650	0.0		15.3-15.9' Slight sheen on soil
		- - -						8					
		- 17 -						14					
		- - -						21					
		- 18 -											
		- - -											
		- 19 -											
		- - -											
		- 20 -											
		- - -											
18.0-24.0' Reddish Brown (5YR 4/4) SAND (SM), silty fine to coarse sand, firm, wet		- 20 -		6	3.4	N/A	1700	0.0		1700			20.0-20.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 17:05
		- - -						0.0					
		- 21 -						0.0					
		- - -						0.0					
		- 22 -											
		- - -											
		- 23 -											
		- - -											
		- 24 -											
		- - -											
End of boring at 24.0'		- 24 -											
		- - -											
		- 25 -											
		- - -											
	- 26 -												

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**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

SCHOOR DEPALMA

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LOG OF SOIL BORING B306C

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL) 14.5	PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.	FOREMAN Craig Jablonski	DATE STARTED 08/14/03	DATE COMPLETED 08/14/03	
DRILLING EQUIPMENT Geoprobe		COMPLETION DEPTH (FT BGS) 24.0	ROCK DEPTH (FT) Not Encountered	
TYPE BIT Direct Push Casing	SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner	NO. SAMPLES DIST. 0	UNDIST. 0	CORE 0
CASING 2-inch diameter		WATER DEPTH FIRST 4	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	DROP N/A	BORING LOCATION Northern portion of site, within footprint of former Generator house (AOC3)	
SAMPLER Direct Push Casing				
SAMPLER HAMMER	WEIGHT N/A	DROP N/A	INSPECTOR John Karon	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-2.3' Dark brown (7.5YR 3/4) FILL: silty fine sand with brick and coal pieces, firm, dry	- 0 -		1	2.3	N/A	0830	0.0	0.0	0830	N/A		0.0-0.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 08:35 1.5-2.0' Sample for VOC at 08:35 2.0-2.3' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 10:05	
	- -												
	- 1 -												
	- -												
	- 2 -												
	- -												
	- 3 -												
	- -												
	- 4 -												
	- -												
4.0-6.5' Dark reddish brown (5YR 3/2) FILL: silty fine sand, firm, wet at 4.0'	- 4 -	▽	2	2.5	N/A	0840	54	0.0	0840	0.0		5.0-5.5' Sample for TAL Metals and Cr ⁺⁶ at 10:30	
	- -						61						
	- 5 -						55						
	- -						65						
	- 6 -						72						
	- -												
	- 7 -												
	- -												
	- 8 -												
	- -												
8.0-12.0' Dark grayish brown (2.5Y 4/2) FILL: silty fine sand, firm, wet	- 8 -		3	3.2	N/A	0850	65	0.0	0850	0.0		Oil Material (OM) from 8-12'	
	- -						47						
	- 9 -						39						
	- -						72						
	- 10 -						101						
	- -						99						
	- 11 -						80.0						
	- -												
	- 12 -												
	- -												

**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

SCHOOR DEPALMA
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LOG OF SOIL BORING B306C

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey				14.5		020667601							
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
12.0-13.0' Dark grayish brown (2.5Y 4/2) FILL: silty fine sand, firm, wet	-	12	-	4	3.0	N/A	0900	65	0.0	0900	N/A		OM from 12-13'
	-	-	-					54					
13.0-13.5' Olive brown (2.5Y 4/3) SAND (SM), silty fine sand, firm, moist	-	13	-					72					
	-	-	-										
13.5-14.5' Reddish brown (5YR 4/3) SAND (SM), silty fine to medium sand, firm, wet	-	-	-					41					
	-	14	-										
	-	-	-					35					OM from 13.5-14.5'
	-	-	-										
14.5-19.5' Reddish brown (5YR 4/3) SAND (SM), silty fine sand, firm, moist	-	-	-					32					
	-	15	-										
	-	-	-										
	-	-	-										
	-	16	-	5	3.9	N/A	0920	8	0.0	0920	0.0		
	-	-	-					5					
	-	17	-					12					
	-	-	-					10					
	-	18	-					9					
	-	-	-					17					Trace OM from 19.5-19.9'
	-	19	-					25					19.5-19.9' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 09:25
19.5-19.9' Olive Brown (2.5Y 4/3) SAND (SM), silty fine sand with trace OM, firm, wet	-	-	-					65					
	-	20	-	6	3.4	N/A	0925	25	0.0	0925			20.0-21.8' Slight sheen on soil
20.0-23.3' Reddish Brown (5YR 4/3) SAND (SM) silty fine sand, firm, moist	-	-	-					15					
	-	21	-					30					
	-	-	-					4					
	-	22	-					2					
	-	-	-					1					22.0-22.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 09:30
	-	23	-					2					
	-	-	-										
	-	24	-										
End of boring at 24.0'	-	-	-										
	-	25	-										
	-	-	-										
	-	26	-										

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PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)

SCHOOR DEPALMA
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LOG OF SOIL BORING B307, 307A, 307B, 307C

PROJECT LOCATION Halladay Street, Jersey City, New Jersey			GROUND ELEVATION (FT. MSL) 14.5		PROJECT NUMBER 020667601					
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski	DATE STARTED 08/18/03		DATE COMPLETED 08/18/03					
DRILLING EQUIPMENT Geoprobe			COMPLETION DEPTH (FT BGS) 2.0		ROCK DEPTH (FT) Not Encountered					
TYPE BIT	Direct Push Casing	SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	0	UNDIST.	0	CORE	0
CASING	2-inch diameter	2-in diam 4-ft acetate liner		WATER DEPTH	FIRST	N/A	COMPL.	N/A	24HR	N/A
CASING HAMMER	WEIGHT	N/A	DROP	N/A						
SAMPLER			Direct Push Casing		BORING LOCATION Central portion of site, within footprint of former Generator house (AOC3)					
SAMPLER HAMMER			WEIGHT							
					INSPECTOR John Karon					

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Refusal at 2.0' at original location (B307), at location 5' east (B307A), at location 5' south (B307B) and at location 5' north (B307C). Moved 5' west to location B307D.		- 0 -																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

LOG OF SOIL BORING B307D

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 14.5				PROJECT NUMBER 020667601								
DRILLING CONTRACTOR Advanced Drilling, Inc.				FOREMAN Craig Jablonski				DATE STARTED 08/18/03				DATE COMPLETED 08/18/03				
DRILLING EQUIPMENT Geoprobe				COMPLETION DEPTH (FT BGS) 4.0				ROCK DEPTH (FT) Not Encountered								
TYPE BIT Direct Push Casing				SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner				NO. SAMPLES DIST. 1		UNDIST. 0		CORE 0				
CASING 2-inch diameter				WATER DEPTH FIRST 2				COMPL. N/A		24HR N/A						
CASING HAMMER WEIGHT N/A				DROP N/A				BORING LOCATION Central portion of site, within footprint of former Generator house (AOC3)								
SAMPLER Direct Push Casing				INSPECTOR John Karon												
SAMPLER HAMMER WEIGHT N/A				DROP N/A												
DESCRIPTION				Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
							Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-0.5' FILL: Dark Brown (7.5YR 3/2) Silty Fine Sand with brick and concrete pieces, firm, dry				-	0		1	3.0	N/A	1010	0.0	0.0	1010	N/A	0.0-0.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1015	
0.5-1.5' FILL: Concrete pieces, firm, dry				-	-						0.0					
				-	1						0.0				1.5-2.0' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1015	
1.5-2.0' FILL: Black (2.5Y 2.5/1) Ash Material (AM), Clinker Material (CM) and Coal pieces, firm, wet				-	-						0.0					
				-	2	▽					0.0					
2.0-3.0' Brick pieces, wet at 2.0'				-	-						0.0				2.5-3.0' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 1100	
				-	3						0.0					
Refusal at 4.0'				-	-											
				-	4											
				-	-											
				-	5											
				-	-											
				-	6											
				-	-											
				-	7											
				-	-											
				-	8											
				-	-											
				-	9											
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LOG OF SOIL BORING B308E

PROJECT LOCATION Halladay Street, Jersey City, New Jersey			GROUND ELEVATION (FT. MSL) 14.5		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski		DATE STARTED 08/18/03		DATE COMPLETED 08/18/03
DRILLING EQUIPMENT Geoprobe			COMPLETION DEPTH (FT BGS) 2.5		ROCK DEPTH (FT) Not Encountered	
TYPE BIT	Direct Push Casing	SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner		NO. SAMPLES	DIST. 1	UNDIST. 0
CASING	2-inch diameter			WATER DEPTH	FIRST N/A	COMPL. N/A
CASING HAMMER	WEIGHT N/A	DROP N/A		BORING LOCATION Northern portion of site, within footprint of former Coal sheds (AOC3)		
SAMPLER	Direct Push Casing			INSPECTOR John Karon		
SAMPLER HAMMER	WEIGHT N/A	DROP N/A				

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-2.0' Dark Brown (7.5YR 3/2) FILL: silty fine sand, 5% coal pieces, firm, dry Refusal at 2.5'		- 0 -		1	2.0	N/A	1605	0.0	0.0	1605	N/A		0.0-0.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁶ at 1610
		- -						0.0					
		- 1 -						0.0					
		- -						0.0					
		- 2 -						0.0					1.5-2.0' Sample for VOC at 16:10
		- -											
		- 3 -											
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		- 4 -											
		- -											
		- 5 -											
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**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

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LOG OF SOIL BORING B309D

PROJECT LOCATION Halladay Street, Jersey City, New Jersey			GROUND ELEVATION (FT. MSL) 14.0		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski	DATE STARTED 08/14/03		DATE COMPLETED 08/14/03	
DRILLING EQUIPMENT Geoprobe			COMPLETION DEPTH (FT BGS) 14.0		ROCK DEPTH (FT) Not Encountered	
TYPE BIT Direct Push Casing		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 4	UNDIST. 0	CORE 0
CASING 2-inch diameter		2-in diam 4-ft acetate liner	WATER DEPTH	FIRST 2.5	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	DROP N/A	BORING LOCATION Northern portion of site, within footprint of former Blower & Exhauster house (AOC3)			
SAMPLER Direct Push Casing						
SAMPLER HAMMER	WEIGHT N/A	DROP N/A	INSPECTOR John Karon			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-5.0' Dark brown (7.5YR 3/2) FILL: silty fine sand with brick, concrete, Chromate Ore Processing Residual (COPR) and coal pieces, firm, wet at 2.5'		0		1	2.5	N/A	1100	0.0	0.0	1100	N/A	0.0-0.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 11:10	
		-						0.0					
		-						0.0					
		-						0.0				1.5-2.0' Sample for VOC at 11:10	
		-						0.0					
		2						0.0				2.0-2.5' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 12:05	
		-											
		-											
		-											
		-											
5.0-7.5' Brown (7.5YR 4/3) FILL: silty fine sand, firm, wet		3		2	4.0	N/A	1105	0.0	0.0	1105	0.0	5.0-5.5' Sample for TAL Metals and Cr ⁺⁶ at 12:15	
		-						0.0					
		-						0.0					
		-						0.0					
		-						0.0					
		6						0.0					
		-						0.0					
		-						0.0					
		-						0.0					
		-						25					
8.0-11.0' Very dark gray (2.5Y 3/1) FILL: silty fine sand, firm, wet		8		3	4.0	N/A	1115	172	0.0	1115	0.0	Reddish Brown Oil Material (OM) from 8-11"	
		-						185					
		-						171					
		-						125					
		10						77					
		-						80					
		-						83					
		-						52					
		-											
		-											
11.0-14.0' Brown (7.5YR 4/3) SAND (SM), silty fine sand, firm, wet		11										11.0-11.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 11:25	
		-											
		12											

**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

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LOG OF SOIL BORING B309D

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)			PROJECT NUMBER									
Halladay Street, Jersey City, New Jersey			14.0			020667601									
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS		
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date			
12.0-14.0' Brown (7.5YR 4/3) SAND (SM), silty fine sand, firm, wet Refusal at 14.0'		- 12 -		- - -		4	2.0	N/A	1130	8.0	0.0	1130	N/A		13.0-13.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 11:40
		- - -		- - -						5.0					
		- 13 -		- - -						0.0					
		- - -		- - -						0.0					
		- 14 -		- - -											
		- - -		- - -											
		- 15 -		- - -											
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		- 16 -		- - -											
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**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

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LOG OF SOIL BORING B310

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL) 14.5		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski		DATE COMPLETED 08/18/03	
DRILLING EQUIPMENT Geoprobe		DATE STARTED 08/18/03		ROCK DEPTH (FT) Not Encountered	
TYPE BIT Direct Push Casing		COMPLETION DEPTH (FT BGS) 17.5		NO. SAMPLES 5	
CASING 2-inch diameter		SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner		DIST. 5	
CASING HAMMER WEIGHT N/A		DROP N/A		UNDIST. 0	
SAMPLER Direct Push Casing		BORING LOCATION Central portion of site, within footprint of former Blacksmith house (AOC3)		CORE 0	
SAMPLER HAMMER WEIGHT N/A		DROP N/A		COMPL. N/A	
		INSPECTOR John Karon		24HR N/A	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-0.6' FILL: Very Dark Gray (7.5YR 3/1) Silty Fine Sand and Concrete pieces, firm, dry		0		1	2.9	N/A	0800	0.0	0.0	0800	N/A	0.0-0.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 0800	
0.6-1.0' FILL: Pale Yellow (2.5Y 7/4) Fine to Coarse Sand concretion		-						0.0					
1.0-1.4' FILL: Very Dark Gray (7.5 yr 3/1) Silty Fine Sand, trace gravel and brick pieces, firm, moist		- 1 -						0.0					
1.4-2.7' FILL: Reddish Brown (5YR 5/4) Silty Fine Sand, trace gravel pieces, firm, moist		-						0.0				1.5-2.0' Sample for VOC at 0800	
		- 2 -						0.0				2.2-2.7' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 0910	
2.7-6.0' Brown (7.5YR 4/3) Silty Fine Sand, firm, wet		-	▽					0.0					
		- 3 -											
		-											
		- 4 -		2	3.1	N/A	0810	0.0	0.0	0810	0.0		
		-						0.0					
		- 5 -						0.0				5.0-5.5' Sample for TAL Metals and Cr ⁺⁶ at 0915	
		-						0.0					
6.0-12.0' Dark Gray (10YR 4/1) Silty Fine Sand, firm, wet		- 6 -						89.0					
		-						99.0					
		- 7 -						99.0					
		-											
		- 8 -		3	3.3	N/A	0820	112.0	0.0	0820	0.0		
		-						192.0					
		- 9 -						188.0					
		-						177.0					
		- 10 -						153.0				10.0-10.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 0840	
		-						100.0					
		- 11 -						72.0					
		-											
		- 12 -											

LOG OF SOIL BORING B310

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)			PROJECT NUMBER																
Halladay Street, Jersey City, New Jersey			14.5			020667601																
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS									
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date										
12.0-14.8' Dark Gray (10YR 4/1) Silty Fine Sand, firm, wet		- 12 -		4	3.8	N/A	0830	65	0.0	0830	N/A											
		- - -						53														
		- 13 -						62														
		- - -						72														
	14.8-15.8' Reddish Brown (5YR 4/3) Silty Fine to Coarse Sand, trace rounded gravel up to 1/4", firm, wet		- 14 -						5	0.8	N/A	0840	66									
			- - -										112									
			- 15 -										100									
			- - -										97									
		16.0-16.8' Reddish Brown Fine to Coarse Sand, loose, wet						- 16 -										90	0.0	0840	0.0	
								- - -										95				
			- 17 -																			
			- - -																			
Refusal at 17.5'				- 18 -																		
				- - -																		
			- 19 -																			
			- - -																			
			- 20 -																			
			- - -																			
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**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

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LOG OF SOIL BORING B311

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL) 14.5		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski		DATE COMPLETED 08/18/03	
DRILLING EQUIPMENT Geoprobe		DATE STARTED 08/18/03		COMPLETION DEPTH (FT BGS) 17.0	
TYPE BIT Direct Push Casing		SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner		ROCK DEPTH (FT) Not Encountered	
CASING 2-inch diameter		NO. SAMPLES 5		DIST. 0	
CASING HAMMER WEIGHT N/A		WATER DEPTH 4		COMPL. N/A	
SAMPLER Direct Push Casing		DROP N/A		BORING LOCATION Central portion of site, within footprint of former Blacksmith house (AOC3)	
SAMPLER HAMMER WEIGHT N/A		DROP N/A		INSPECTOR John Karon	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-1.0' Asphalt, road base and concrete pieces		0		1	3.1	N/A	0855	0.0	0.0	0855	N/A	1.0-1.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 0905	
1.0-4.0' Reddish Brown (5YR 4/3) FILL: Silty Fine Sand and Brick pieces, firm, moist		1						0.0				1.5-2.0' Sample for VOC at 0905	
							0.0						
							0.0						
2.9-3.1' Reddish Brown Gravel pieces		2						0.0				2.6-3.1' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 1000	
							0.0						
							0.0						
4.0-5.0' Reddish Brown (5 yr 4/3) Silty Fine Sand, firm,		4		2	2.7	N/A	0900	0.0	0.0	0900	0.0		
5.0-8.0' Dark Gray (5YR 4/1) FILL: Fine to Coarse Sand, Brick, Clinker Material (CM) and Coal pieces, firm, wet		5						0.0				6.0-6.5' Sample for TAL Metals and Cr ⁺⁶ at 1005	
							90						
							97						
8.0-12.0' Dark Gray (5YR 4/1) Silty Fine Sand, firm, wet		6						54					
							66						
		8		3	3.7	N/A	0920	17	0.0	0920	0.0		
								20					
								83					
								40					
								35					
								65					
								43					
							40						
		12											

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**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

SCHOOR DEPALMA

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LOG OF SOIL BORING B311

PROJECT LOCATION		GROUND ELEVATION (FT. MSL)		PROJECT NUMBER									
Haffaday Street, Jersey City, New Jersey		14.5		020667601									
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples		PID READINGS (PPM)					REMARKS		
				Number	Recov. (ft)	Penetr. Resist. BL/6In	Time	Sample	Ambient Air	Time		Head Space	Time Date
12.0-15.0' Dark Gray (5YR 4/1) Silty Fine Sand, firm, wet		- 12 -		4	3.2	N/A	0930	104	0.0	0930	N/A	12.0-12.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 0940	
		- - -						86					
		- 13 -						66					
		- - -						46					
15.0-16.0' Reddish Brown (5YR 4/4) Silty Fine Sand and rounded gravel up to 1/4", firm, wet		- 14 -						58				12.0-17.0' PHC-like odors	
		- - -						64					
		- 15 -						65					
		- - -											
16.0-16.9' Dark Gray (5YR 4/1) Silty Fine Sand, firm, wet		- 16 -		5	1.0	N/A	0940	152	0.0	0940	0.0	16.4-16.9' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 0950	
		- - -						177					
16.9-17.0' Dark Gray (5YR 4/1) Fine to Coarse Sand and Gravel, firm, wet		- 17 -											
Refusal at 17.0'		- - -											
		- 18 -											
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B313C

No Boring Log Available

**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

SCHOOR DEPALMA
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LOG OF SOIL BORING B401

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL) 14.0		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski		DATE COMPLETED 08/18/03	
DRILLING EQUIPMENT Geoprobe		COMPLETION DEPTH (FT BGS) 15.0		ROCK DEPTH (FT) Not Encountered	
TYPE BIT Direct Push Casing	SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner		NO. SAMPLES 4	UNDIST. 0	CORE 0
CASING 2-inch diameter	DROP N/A		WATER DEPTH 2.5	COMPL. N/A	24HR N/A
CASING HAMMER WEIGHT N/A	BORING LOCATION Central portion of site, within footprint of former Pump house (AOC4)				
SAMPLER Direct Push Casing	INSPECTOR John Karon				
SAMPLER HAMMER WEIGHT N/A	DROP N/A				

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-2.5' FILL: Very Dark Gray (10YR 3/1) Silty Fine Sand with Brick and Chromate Ore Processing Residual (COPR) pieces, firm, dry		0		1	3.0	N/A	1150	0.0	0.0	1150	N/A		0.0-0.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1155
		-						0.0					
		- 1						0.0					
		-						0.0					
		- 2						0.0					
2.5-6.0' Brown (7.5YR 5/4) Silty Fine Sand, firm, wet at 2.5 ft.		-	▽					0.0					1.5-2.0' Sample for VOC at 1155 2.0-2.5' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 1225 2.5-3.0' Sample for TAL Metals and Cr ⁺⁶ at 1235
		- 3						0.0					
		-											
		- 4		2	3.2	N/A	1155	0.0	0.0	1155	0.0		
		- 5						0.0					
6.0-7.2' Reddish Brown (5YR 4/3) Fine to Medium Sand, trace Silt, firm, wet		-						4					6.5-7.0' Sample for TAL Metals and Cr ⁺⁶ at 1240
		-						7					
		- 6						22					
		-						99					
		- 7						199					
8.0-12.0' Dark Gray (5YR 4/1) Silty Fine Sand, firm, wet		- 8		3	2.4	N/A	1200	159	0.0	1200	0.0		Trace Oil Material (OM) from 8-13.5'. Positive hydrophobic dye test
		-						199					
		- 9						199					
		-						199					
		- 10						199					
	-												
	- 11												
	-												
	- 12												

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**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

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LOG OF SOIL BORING B401

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER								
Halladay Street, Jersey City, New Jersey			14.0		020667601								
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
12.0-13.5' Dark Gray (5YR 4/1) Silty Fine Sand, firm, wet		- 12 -		4	3.0	N/A	1205	104	0.0	1205	N/A		Trace OM from 12-15'
		- - -						86					
		- 13 -						66					
13.5-14.5' Yellowish Brown (10YR 5/4) Silty Fine Sand, firm, wet		- - -						46					
		- 14 -						58					
14.5-15.0' Black (2.5Y 2.5/1) and Reddish Brown (5YR 4/4) Silty Fine Sand with concretions, firm, moist		- - -						64					14.5-15.0' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1210
		- 15 -						65					
Refusal at 15.0'		- - -											
		- 16 -											
		- - -											
		- 17 -											
		- - -											
		- 18 -											
		- - -											
		- 19 -											
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		- 26 -											

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Remedial Investigation (Phase I)**

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LOG OF SOIL BORING B401A

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 14.0				PROJECT NUMBER 020667601								
DRILLING CONTRACTOR Advanced Drilling, Inc.				FOREMAN Craig Jablonski				DATE STARTED 08/20/03				DATE COMPLETED 08/20/03				
DRILLING EQUIPMENT Geoprobe				COMPLETION DEPTH (FT BGS) 12.0				ROCK DEPTH (FT) Not Encountered								
TYPE BIT Direct Push Casing				SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner				NO. SAMPLES DIST. 3		UNDIST. 0		CORE 0				
CASING 2-inch diameter				WATER DEPTH FIRST 2.5				COMPL. N/A		24HR N/A						
CASING HAMMER				WEIGHT N/A				DROP N/A				BORING LOCATION Central portion of site, in the area of former Pump house (AOC4)				
SAMPLER Direct Push Casing				DROP N/A				John Karon								
SAMPLER HAMMER				WEIGHT N/A												
DESCRIPTION				Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
							Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-0.5' Asphalt and Road Base					0		1	3.1	N/A	1430	0.0	0.0	1430	N/A		0.5-1.0' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1440
0.5-5.3' FILL: Dark Reddish Brown (5YR 3/3) Silty Fine Sand and Chromate Ore Processing Residual (COPR),					-						0.0					1.5-2.0' Sample for VOC at 1440
					-						0.0					
					-						0.0					
					-						0.0					
Wet at 2.5'					-	▽					0.0					
					-						0.0					2.5-3.0' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 1500
					-						0.0					
					-						0.0					
					-						0.0					
5.3-5.8' Reddish Brown (5YR 4/4) Silty Fine Sand, firm					-		2	2.9	N/A	1435	0.0	0.0	1435	0.0		5.3-5.8' Sample for TAL Metals and Cr ⁺⁶ at 1505
					-						0.0					
					-						0.0					
5.8-10.1' Dark Gray (5YR 4/1) Silty Fine Sand					-						0.0					
					-						177					Oil material (OM) from 5.8-6.9'
					-						172					
					-											
					-											
					-											
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					-											
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**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

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LOG OF SOIL BORING B401B

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL) 14.0		PROJECT NUMBER Q20667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski		DATE STARTED 08/20/03	
DRILLING EQUIPMENT Geoprobe		COMPLETION DEPTH (FT BGS) 19.0		DATE COMPLETED 08/20/03	
TYPE BIT Direct Push Casing		SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner		ROCK DEPTH (FT) Not Encountered	
CASING 2-inch diameter		NO. SAMPLES 5		DIST. 5	
CASING HAMMER WEIGHT N/A		WATER DEPTH FIRST 4		UNDIST. 0	
SAMPLER Direct Push Casing		DROP N/A		COMPL. N/A	
SAMPLER HAMMER WEIGHT N/A		DROP N/A		BORING LOCATION Central portion of site, in the area of former Pump house (AOC4)	
				INSPECTOR John Karon	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-2.5' FILL: Dark Brown (7.5YR 3/3) Silty Fine Sand with brick and concrete pieces, firm, dry		0		1	3.0	N/A	1540	0.0	0.0	1540	N/A	0.0-0.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1605	
	- 1 -												
2.5-6.0' FILL: Reddish Brown (5YR 4/3) Silty Fine Sand and Chromate Ore Processing Residual (COPR) firm,		2						0.0				1.5-2.0' Sample for VOC at 1605	
	- 2 -												
2.5-6.0' FILL: Reddish Brown (5YR 4/3) Silty Fine Sand and Chromate Ore Processing Residual (COPR) firm,		3						0.0				2.0-2.5' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 1550	
	- 3 -												
Wet at 4.0'		4	▽	2	2.8	N/A	1545	0.0	0.0	1545	0.0		
	- 5 -												
6.0-6.3' FILL: Gray (5YR 5/1) Silty Fine Sand and ash material (AM), firm		6						0.0				6.4-6.9' Sample for TAL Metals and Cr+6 at 1545	
	- 6 -												
6.3-6.9' FILL: Reddish Brown Silty Fine to Medium Sand, firm		7						0.0					
	- 7 -												
8.0-12.0' FILL: Black AM, clinker material (CM) Coal pieces, firm		8		3	2.5	N/A	1555	101.0	0.0	1555	0.0	Oil material (OM) from 8-12'	
	- 9 -												
8.0-12.0' FILL: Black AM, clinker material (CM) Coal pieces, firm		10						111.0				10.0-10.5' Sample for TAL Metals and Cr+6 at 1555	
	- 9 -												
8.0-12.0' FILL: Black AM, clinker material (CM) Coal pieces, firm		11						85.0					
	- 10 -												
8.0-12.0' FILL: Black AM, clinker material (CM) Coal pieces, firm		12						135.0					
	- 11 -												
8.0-12.0' FILL: Black AM, clinker material (CM) Coal pieces, firm		12						190.0					
	- 11 -												

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LOG OF SOIL BORING B401B

PROJECT LOCATION Halladay Street, Jersey City, New Jersey			GROUND ELEVATION (FT. MSL) 14.0			PROJECT NUMBER 020667601							
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
12.0-13.0' FILL: Black AM, clinker material (CM) Coal pieces, firm		12		4	3.4	N/A	1600	127	0.0	1600	N/A		OM from 12-14'
13.0-14.5' Peat								72					13.0-13.5' Sample for TAL Metals and Cr+6 at 1600
								99					
								67					
14.5-15.0' Peat		14						87					
								70					
								90					
15.0-15.4' Reddish Brown Silty Fine Sand, firm, wet		15											
16.0-18.5' Reddish Brown Silty Fine to Medium Sand with OM, firm, wet		16		5	2.5	N/A	1610	189	0.0	1610	0.0		OM from 16-18.5'
								170					
		17						175					
								190					
		18						192					18.0-18.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1610
Refusal at 19.0'		19											
		20											
		21											
		22											
		23											
		24											
		25											
		26											

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LOG OF SOIL BORING B501

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 15.0		PROJECT NUMBER 020667601									
DRILLING CONTRACTOR Advanced Drilling, Inc.			FOREMAN Craig Jablonski		DATE STARTED 08/18/03		DATE COMPLETED 08/18/03								
DRILLING EQUIPMENT Geoprobe				COMPLETION DEPTH (FT BGS) 10.0			ROCK DEPTH (FT) Not Encountered								
TYPE BIT Direct Push Casing			SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner		NO. SAMPLES DIST. 0		UNDIST. 0		CORE 0						
CASING 2-inch diameter			2-in diam 4-ft acetate liner		WATER DEPTH FIRST 2.3		COMPL. N/A		24HR N/A						
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION Central portion of site, within footprint of former Oil Tank house (AOC5)									
SAMPLER Direct Push Casing						John Karon									
SAMPLER HAMMER		WEIGHT N/A		DROP N/A											
DESCRIPTION			Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
						Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-0.5' Asphalt and Road Base				0		1	3.0	N/A	1610	0.0	0.0	1610	N/A	0.5-1.0' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1615	
0.5-2.0' FILL: Dark Brown (7.5YR 3/2) Silty Fine Sand, Chromate Ore Processing Residual (COPR) nodules, and green COPR precipitate from 2-2.3'				1						0.0				1.5-2.0' Sample for VOC at 1615	
2.3-3.0' FILL: Brown (10YR 5/3) Silty Fine Sand with COPR, firm, wet				2						0.0				2.0-2.5' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 1645	
4.0-5.5' FILL: Dark Brown Silty Fine Sand and COPR, firm, wet				3		2	3.0	N/A	1615	0.0	0.0	1615	0.0		
5.5-7.0' FILL: Black (7.5YR 2.5/1) ash material (AM), clinker material (CM), oil material (OM), firm, wet				4						0.0					
				5						0.0					
				6						50					
				7						75				6.5-7.0' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1630	
				8						192					
8.0-9.5' Dark Grayish Brown (2.5Y 4/2) Silty Fine Sand, firm, wet				9		3	1.5	N/A	1630	42	0.0	1630	0.0	9.0-9.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1640	
				10						63					
				11						45					
Refusal at 10.0'				12											

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LOG OF SOIL BORING B501

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 15.0				PROJECT NUMBER 020667601								
DRILLING CONTRACTOR Advanced Drilling, Inc.				FOREMAN Craig Jablonski				DATE STARTED 08/18/03		DATE COMPLETED 08/18/03						
DRILLING EQUIPMENT Geoprobe				COMPLETION DEPTH (FT BGS) 10.0				ROCK DEPTH (FT) Not Encountered								
TYPE BIT Direct Push Casing				SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner				NO. SAMPLES DIST. 0		UNDIST. 0 CORE 0						
CASING 2-inch diameter				WATER DEPTH FIRST 2.3				COMPL. N/A		24HR N/A						
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION Central portion of site, within footprint of former Oil Tank house (AOC5)										
SAMPLER Direct Push Casing				John Karon												
SAMPLER HAMMER		WEIGHT N/A		DROP N/A												
DESCRIPTION				Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
							Number	Recov. (ft)	Penetr. Resist. BL/Gin	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-0.5' Asphalt and Road Base				- 0 -			1	3.0	N/A	1610	0.0	0.0	1610	N/A	0.5-1.0' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1615	
0.5-2.0' FILL: Dark Brown (7.5YR 3/2) Silty Fine Sand, Chromate Ore Processing Residual (COPR) nodules, and green COPR precipitate from 2-2.3'				- -							0.0				1.5-2.0' Sample for VOC at 1615	
				- 1 -							0.0					
				- -							0.0					
				- 2 -							0.0				2.0-2.5' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 1645	
2.3-3.0' FILL: Brown (10YR 5/3) Silty Fine Sand with COPR, firm, wet				- -							0.0					
				- 3 -							0.0					
				- -												
4.0-5.5' FILL: Dark Brown Silty Fine Sand and COPR, firm, wet				- 4 -			2	3.0	N/A	1615	0.0	0.0	1615	0.0		
				- -							0.0					
				- 5 -							0.0					
				- -							50					
5.5-7.0' FILL: Black (7.5YR 2.5/1) ash material (AM), clinker material (CM), oil material (OM), firm, wet				- 6 -							75				6.5-7.0' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1630	
				- -							192					
				- 7 -												
				- -												
8.0-9.5' Dark Grayish Brown (2.5Y 4/2) Silty Fine Sand, firm, wet				- 8 -			3	1.5	N/A	1630	42	0.0	1630	0.0		
				- -							63					
				- 9 -							45				9.0-9.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1640	
				- -												
Refusal at 10.0'				- 10 -												
				- -												
				- 11 -												
				- -												
				- 12 -												

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LOG OF SOIL BORING B502

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 15.0				PROJECT NUMBER 020667601								
DRILLING CONTRACTOR Advanced Drilling, Inc.				FOREMAN Craig Jablonski				DATE STARTED 08/18/03		DATE COMPLETED 08/18/03						
DRILLING EQUIPMENT Geoprobe				COMPLETION DEPTH (FT BGS) 16.0				ROCK DEPTH (FT) Not Encountered								
TYPE BIT Direct Push Casing				SIZE AND TYPE CORE BARREL				NO. SAMPLES DIST. 4		UNDIST. 0 CORE 0						
CASING 2-inch diameter				2-in diam 4-ft acetate liner				WATER DEPTH FIRST 1.2		COMPL. N/A 24HR N/A						
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION Central portion of site, within footprint of former Oil Tank house (AOC5)										
SAMPLER Direct Push Casing																
SAMPLER HAMMER		WEIGHT N/A		DROP N/A		INSPECTOR John Karon										
DESCRIPTION				Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
							Number	Recov. (ft)	Penetr. Resist. BL/lin	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-0.5' Asphalt and Road Base					0		1	2.9	N/A	1400	0.0	0.0	1400	N/A	0.5-1.0' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1400	
0.5-1.0' FILL: Brown (7.5YR 4/4) Silty Fine Sand with Brick and Concrete pieces, firm, dry					-						0.0					
1.0-1.2' Concrete					- 1						0.0					
1.2-1.6' FILL: Brown Silty Fine Sand with Chromate Ore Processing Residual (COPR), firm, wet					-						0.0					
1.6-2.6' FILL, Brown (10YR 5/3) Silty Fine Sand with COPR, firm, wet					- 2						0.0				1.5-2.0' Sample for VOC at 1400	
					-						0.0					
2.6-5.0' FILL: Very Dark Gray (10YR 3/1) Silty Fine Sand with COPR, firm, wet					- 3						0.0				2.6-2.9' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 1445	
					-											
					- 4		2	3.1	N/A	1410	0.0	0.0	1410	0.0		
					-						0.0					
5.0-6.1' FILL: Black (2.5Y 2.5/1) ash material (AM), clinker material (CM) and Silty Fine Sand, firm, wet					- 5						0.0					
					-						0.0					
6.1-6.9' Brown (7.5YR 4/3) Silty Fine Sand, firm, wet					- 6						12					
					-						122				6.6-7.1' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1420	
6.9-10.5' Very Dark Gray (5YR 3/1) Silty Fine Sand, firm, wet					- 7						143					
					-						2					
					- 8		3	3.1	N/A	1415	77	0.0	1415	0.0		
					-						58					
					- 9						66					
					-						35					
					- 10						37					
10.5-11.1' Peat					-						18				10.5-11.0' Sample for TAL Metals and Cr ⁺⁶ at 1455	
					- 11						21					
					-											
					- 12											

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LOG OF SOIL BORING B502

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)			PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey			15.0			020667601							
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
12.0-15.2' Light Olive Brown (2.5Y 5/3) Silty Fine Sand, firm, wet <													

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LOG OF SOIL BORING B701

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL) 15.0		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski		DATE STARTED 08/14/03	
DRILLING EQUIPMENT Geoprobe		COMPLETION DEPTH (FT BGS) 16.0		DATE COMPLETED 08/14/03	
TYPE BIT Direct Push Casing		SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner		ROCK DEPTH (FT) Not Encountered	
CASING 2-inch diameter		NO. SAMPLES 4		DIST. 4	
CASING HAMMER WEIGHT N/A		DROP N/A		UNDIST. 0	
SAMPLER Direct Push Casing		BORING LOCATION Northern portion of site, within footprint of former Well area (AOC7)		CORE 0	
SAMPLER HAMMER WEIGHT N/A		DROP N/A		COMPL. N/A	
		INSPECTOR John Karon		24HR N/A	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS
				Number	Recov (ft)	Penetr. Resist. BL/6in	Time	(PPM)					
								Sample	Ambient Air	Time	Head Space	Time Date	
0.0-6.3' Brown (7.5YR 5/3) FILL: silty fine sand, glass, concrete and coal pieces, firm, dry		0		1	3.2	N/A	1615	0.0	0.0	1615	N/A		0.0-0.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 16:20
		-						0.0					
		- 1 -						0.0					
		-						0.0					1.5-2.0' Sample for VOC at 16:20
		- 2 -						0.0					
		-						0.0					
		- 3 -						0.0					2.7-3.2' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 1730. Jar broken at lab. Resampled 8/18/03 at 16:00.
		-						0.0					
		- 4 -			2	2.9	N/A	1620	0.0	0.0	1620	0.0	
		-							0.0				
		- 5 -							0.0				
		-							0.0				
6.3-10.8' FILL: White, yellow and black ash material (AM), clinker material (CM), brick and coal pieces, firm, wet		- 6 -						0.0					6.4-6.9' Sample for TAL Metals and Cr ⁺⁶ at 17:35
		-						0.0					
		- 7 -											
		-											
		- 8 -			3	3.3	N/A	1630	0.0	0.0	1630	0.0	
		-						30					
		- 9 -						60					
		-						122					Reddish Brown Oil Material (OM) from 9.5-10.8'
		- 10 -						199					
		-						199					10.8-11.3' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 16:40
		- 11 -						85					
		-											
10.8-11.3' Dark Brown Peat		- 12 -											

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LOG OF SOIL BORING B701

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)			PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey			15.0			020667601							
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
12.0-15.1' Grayish brown (2.5Y 5/2) SAND (SM), silty fine sand, firm, moist 													

LOG OF SOIL BORING B802

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL) 15.0		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski		DATE STARTED 08/14/03	
DRILLING EQUIPMENT Geoprobe		COMPLETION DEPTH (FT BGS) 18.0		DATE COMPLETED 08/14/03	
TYPE BIT Direct Push Casing		SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner		ROCK DEPTH (FT) Not Encountered	
CASING 2-inch diameter		NO. SAMPLES 5		DIST. 5	
CASING HAMMER WEIGHT N/A		WATER DEPTH FIRST 5		UNDIST. 0	
SAMPLER Direct Push Casing		DROP N/A		CORE 0	
SAMPLER HAMMER WEIGHT N/A		BORING LOCATION Northern portion of site, within footprint of former Tar separators (AOC8)		COMPL. N/A	
		INSPECTOR John Karon		24HR N/A	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-5.0' Brown (7.5YR 4/2) FILL: silty fine sand, brick, concrete and coal pieces, firm, dry		0		1	3.1	N/A	1400	0.0	0.0	1400	N/A		0.0-0.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 14:00
		-						0.0					
		-						0.0					
		-						0.0					1.5-2.0' Sample for VOC at 14:00
		-						0.0					
		-						0.0					2.6-3.1' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 15:40
		-						0.0					
		-						0.0					
		-											
		-											
5.0-7.5' Very dark gray (10YR 3/1) FILL: silty fine sand and gravel pieces, firm, wet		5	▽	2	3.5	N/A	1405	0.0	0.0	1405	0.0		
		-						0.0					
		-						54					
		-						73					
		-						88					6.0-6.5' Sample for TAL Metals and Cr ⁺⁶ at 16:30
		-						112					
		-						199					Oil Material (OM) from 7-12'
		-											
		-											
		-											
8.0-11.3' Black (10YR 2/1) FILL: silty fine to medium sand, 20% rounded gravel up to 1/2", firm, wet		8		3	3.3	N/A	1420	199	0.0	1420	0.0		
		-						199					
		-						199					
		-						199					
		-						199					
		-											
		-											
		-											
		-											
		-											
	12												

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**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

SCHOOR DEPALMA

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LOG OF SOIL BORING B802

PROJECT LOCATION
Halladay Street, Jersey City, New Jersey

GROUND ELEVATION (FT. MSL)
15.0

PROJECT NUMBER
020667601

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
12.0-17.0' Yellowish Brown (10YR 5/4) FILL: silty fine sand, firm, moist		- 12 -		4	3.1	N/A	1430	199	0.0	1430	N/A		Trace OM from 12-17.5'
		- - -						89					
		- 13 -						134					
		- - -						161					
		- 14 -						143					
		- - -		72									
		- 15 -		65									
		- - -											
		- 16 -		5	2.0	N/A	1440	192	0.0	1440	0.0		17.5-18.0' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1445
		- - -						116					
	- 17 -		199										
	- - -		163										
	- 18 -												
	- - -												
	- 19 -												
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	- - -												
	- 25 -												
	- - -												
	- 26 -												

Refusal at 18.0'

17.0-17.5' Brown (7.5YR 4/2) FILL: silty fine to coarse sand and gravel, firm, wet

17.5-17.8' Grayish green (GLEYS 1 4/2) CLAY (CL), firm, wet

17.8-18.0' Brown (7.5YR 4/2) SAND (SW), silty fine to coarse sand and angular gravel up to 2" with OM, firm, wet

17.5-18.0' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1445

OM from 17.8-18.0'

Trace OM from 12-17.5'

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**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

SCHOOR DEPALMA
Page 1 of 2

LOG OF SOIL BORING B803

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL) 15.0		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski		DATE COMPLETED 08/14/03	
DRILLING EQUIPMENT Geoprobe		DATE STARTED 08/14/03		ROCK DEPTH (FT) Not Encountered	
TYPE BIT Direct Push Casing		COMPLETION DEPTH (FT BGS) 17.0		NO. SAMPLES 5	
CASING 2-inch diameter		SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner		DIST. 5	
CASING HAMMER WEIGHT N/A		DROP N/A		UNDIST. 0	
SAMPLER Direct Push Casing		BORING LOCATION Northern portion of site, within footprint of former Tar separators (AOC8)		CORE 0	
SAMPLER HAMMER WEIGHT N/A		DROP N/A		COMPL. N/A	
		INSPECTOR John Karon		24HR N/A	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-2.0' Brown (7.5YR 4/2) FILL: silty fine sand, brick and concrete pieces, firm, dry		0		1	2.9	N/A	1510	0.0	0.0	1510	N/A		0.0-0.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1515
		-						0.0					
		- 1 -						0.0					
		-						0.0					
		-						0.0					
2.0-2.7' FILL: Brick and structural tile pieces		- 2 -						0.0					1.5-2.0' Sample for VOC at 1515
		-						0.0					
2.7-6.5' Very dark gray (7.5YR 3/1) FILL: silty fine sand, brick and concrete pieces, firm, moist		- 3 -						0.0					
		-											
		- 4 -											
		-											
		- 5 -											
		-											
		- 6 -											
		-											
6.5-7.1' FILL: White ash material (AM) with coal pieces		- 7 -											
		-											
		-											
		- 8 -											
8.0-10.4' FILL: AM, clinker material (CM), brick and coal pieces		-											
		- 9 -						20					Reddish Brown Oil Material (OM) from 9-10.4'
		-						180					9.0-9.5' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 17:15
		-						172					
10.4-12.0' Dark grayish brown (2.5Y 4/2) FILL: silty fine sand, firm, moist		- 10 -						85					10.4-10.7' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 1530
		-						102					
		- 11 -											
		-											
		- 12 -											

LOG OF SOIL BORING B803

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)			PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey			15.0			020667601							
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
12.0-17.0' Dark grayish brown (2.5Y 4/2) FILL: silty fine sand, firm, moist		12		4	2.8	N/A	15:25	44	0.0	1525	N/A		
		13						36					
		14						25					
		15						17					
		16						23					
		17						27					
Yellow Chromate Ore Processing Residual (COPR) precipitate from 16-17'		18		5	1.0	N/A	15:30	75	0.0	1530	0.0		
		19						78					16.5-17.0' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 1540
Refusal at 17.0'		20											
		21											
		22											
		23											
		24											
		25											
		26											

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**PSEG SC Former Halladay Street Gas Works Site
Remedial Investigation (Phase I)**

SCHOOR DEPALMA
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LOG OF SOIL BORING B901

PROJECT LOCATION Halladay Street, Jersey City, New Jersey			GROUND ELEVATION (FT. MSL) 14.0		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Craig Jablonski		DATE STARTED 08/15/03		DATE COMPLETED 08/15/03
DRILLING EQUIPMENT Geoprobe			COMPLETION DEPTH (FT BGS) 16.0		ROCK DEPTH (FT) Not Encountered	
TYPE BIT Direct Push Casing	SIZE AND TYPE CORE BARREL 2-in diam 4-ft acetate liner		NO. SAMPLES 4	DIST. 5	UNDIST. 0	CORE 0
CASING 2-inch diameter	DROP N/A		WATER DEPTH FIRST	5	COMPL. N/A	24HR N/A
CASING HAMMER WEIGHT N/A	BORING LOCATION Northern portion of site, within footprint of former Coal shed area (AOC9)					
SAMPLER Direct Push Casing	INSPECTOR John Karon					
SAMPLER HAMMER WEIGHT N/A	DROP N/A					

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-1.0' Reddish Brown (2.5YR 4/3) FILL: silty fine sand with brick, concrete and Chromate Ore Processing Residual (COPR) pieces, firm, dry		- 0 -		1	2.4	N/A	8:30	0.0	0.0	830	N/A	0.0-0.5' Sample for SVOC, TAL Metals, PCBs, Cyanide and Cr ⁺⁶ at 08:40	
1.0-1.5' FILL: Concrete		- 1 -						0.0					
1.5-5.0' Dark Brown (7.5YR 3/2) FILL: silty fine sand, glass, root matter, COPR, firm, dry		- 2 -						0.0				1.5-2.0' Sample for VOC at 08:40	
		- 3 -						0.0				1.9-2.4' Sample for TAL Metals, PCBs and Cr ⁺⁶ at 10:40	
		- 4 -		2	3.0	N/A	8:50	0.0	0.0	850	0.0		
5.0-5.8' Black (7.5YR 2.5/1) FILL: ash material (AM), clinker material (CM), Coal pieces, firm, wet		- 5 -	▽					0.0				5.0-5.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 09:00	
5.8-7.0' FILL: White AM, silty fine sand with concretions up to 1/4", firm, wet		- 6 -						0.0				5.8-6.3' Sample for TAL Metals and Cr ⁺⁶ at 10:45	
8.0-12.0' White and Yellow AM, silty fine sand and coal pieces, loose, wet		- 8 -		3	2.0	N/A	900	0.0	0.0	900	0.0		
		- 9 -						0.0					
		- 10 -						0.0					
		- 11 -						0.0					
		- 12 -											

LOG OF SOIL BORING B901

PROJECT LOCATION		GROUND ELEVATION (FT. MSL)		PROJECT NUMBER									
Halladay Street, Jersey City, New Jersey		14.0		020667601									
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/lin	Time	Sample	Ambient Air	Time	Head Space	Time Date	
12.0-13.0' White and Yellow AM, silty fine sand and coal pieces, loose, wet		- 12 -		4	3.1	N/A	910	0.0	0.0	910	N/A		13.0-13.5' Sample for VOC, SVOC, TAL Metals, PCBs, Cyanide and Cr+6 at 0915
13.0-15.1' Yellowish Brown (10YR 5/6) Silty Fine Sand, firm, wet		- - -						0.0					
		- 13 -						0.0					
		- - -						0.0					
		- 14 -						0.0					
		- - -						0.0					
		- 15 -						0.0					
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End of boring at 16.0'		- 16 -											
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GB

No Boring Log Available

F01

No Boring Log Available

F05

No Boring Log Available

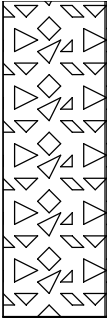
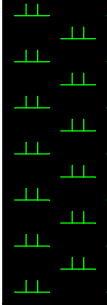
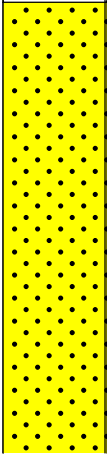
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		Site: PPG - Jersey City, NJ				
Start Date: 8/11/2003		Project: Site Investigation		Page: 1 of 4		
		Coordinates: X-611499.08 Y-683128.87		Depth of Boring: 44.00		
End Date: 8/11/2003		Elevation: 15.19		Geologist: J. Karon		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		FILL: Dark Brown (7.5YR 3/4) Silt, trace Fine Sand with <10% Chromate Ore Processing Residual (COPR,) firm	0.0 ppm	G-3 (0.0-0.5)	SVOC, TAL Metals, Cyanide, PCBs and Cr+6
			0.0 ppm		
		FILL: Same as above (SAA) with brick pieces	0.0 ppm		
			0.0 ppm		
2		FILL: SAA without brick pieces	0.0 ppm	G-3 (1.5-2.0)	VOC
			0.0 ppm		
		ASPHALT: Asphalt piece	0.0 ppm		
			0.0 ppm		
		FILL: Dark Brown (7.5 yr 3/4) Silt, trace Fine Sand with brick pieces, firm,	0.0 ppm		
			0.0 ppm		
4		NR: No Recovery	0.0 ppm		
			0.0 ppm		
		FILL: Dark Brown (7.5 yr 3/4) Silty Fine Sand, firm	0.0 ppm		
			0.0 ppm		
		FILL: Yellow (2.5Y 7/6) Silty Fine Sand with Grayish Green (Gley1 4/2) COPR, firm	0.0 ppm		
			0.0 ppm		
6		FILL: Dark Brown Silty Fine Sand, firm	0.0 ppm		
			0.0 ppm		
		FILL: Dark Brown Silty Fine Sand, firm	0.0 ppm	G-3 (7.0-7.5)	TAL Metals, PCBs and Cr+6
			15.0 ppm		
		FILL: Ash Material (AM) and Clinker Material (CM), firm	25.0 ppm		
			32.0 ppm		
		FILL: Ash Material (AM) and Clinker Material (CM), firm	51.0 ppm		
			54.0 ppm		
10		FILL: SAA with Reddish Brown (5 yr 4/4) Oil Material (OM), firm	65.0 ppm		
			66.0 ppm	G-3 (10.5-11.0)	TAL Metals and Cr+6
		NR: No Recovery			
12					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

THIS IS A PRELIMINARY DRAFT. IT HAS BEEN PREPARED BASED ON PRELIMINARY INFORMATION AND ON ASSUMPTIONS. NO ONE MAY RELY ON THIS DRAFT. IT IS SUBJECT TO CHANGE AS ADDITIONAL INFORMATION BECOMES AVAILABLE OR IS CLARIFIED.

<div>ENSR AECOM</div>		Client: PPG		BORING ID: G3		
		Site: PPG - Jersey City, NJ				
Start Date: 8/11/2003		Project: Site Investigation		Page: 2 of 4		
		Coordinates: X-611499.08 Y-683128.87		Depth of Boring: 44.00		
End Date: 8/11/2003		Elevation: 15.19		Geologist: J. Karon		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12		FILL: SAA with 10% rounded gravel up to 1/2	51.0 ppm		
			76.0 ppm		
			84.0 ppm		
			72.0 ppm		
14			38.0 ppm		
			34.0 ppm		
		PEAT: Peat with OM	34.0 ppm		
16			79.0 ppm		
			65.0 ppm		
			29.0 ppm		
		PEAT: Peat and silty fine sand with OM, firm	155.0 ppm		
18			142.0 ppm		
			158.0 ppm		
			ppm		
		NR: No Recovery			
20		SAND: Brown (7.5YR 4/2) Fine to Coarse Sand with OM, firm	199.0 ppm		
			130.0 ppm		
			153.0 ppm		
			112.0 ppm		
22			99.0 ppm		
			199.0 ppm		
			95.0 ppm		
			62.0 ppm		
24					

NOTES:

Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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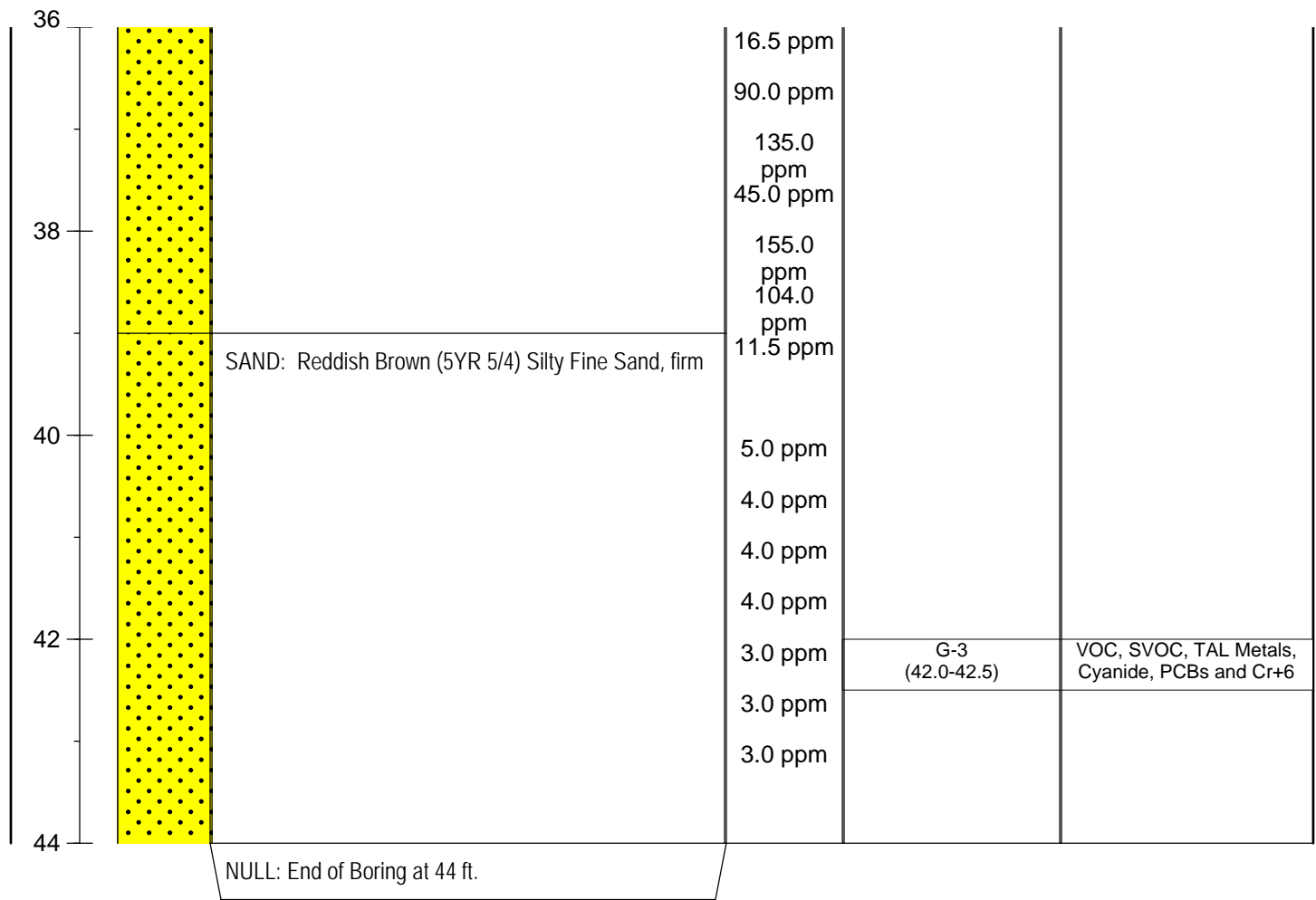
<div>ENSR AECOM</div>		Client: PPG		BORING ID: G3		
		Site: PPG - Jersey City, NJ				
Start Date: 8/11/2003		Project: Site Investigation		Page: 3 of 4		
		Coordinates: X-611499.08 Y-683128.87		Depth of Boring: 44.00		
End Date: 8/11/2003		Elevation: 15.19		Geologist: J. Karon		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

24			84.0 ppm		
			116.0 ppm		
			92.0 ppm		
			95.0 ppm		
26			51.0 ppm		
		GRAVEL: Brown (7.5 yr 4/2) Fine to Coarse rounded gravel up to 1/2"" with OM, firm	88.0 ppm		
		SAND: Brown (7.5 yr 4/2) Fine to Coarse sand with OM, firm	37.0 ppm		
		NR: No Recovery			
28			18.0 ppm		
		SAND: Brown (7.5 yr 4/2) Silty Fine to Medium Sand with OM, firm	17.0 ppm		
			15.0 ppm		
			22.0 ppm		
30			18.0 ppm		
			19.0 ppm		
		SAND: SAA without OM, slight sheen on soil	84.0 ppm	G-3 (31.0-31.5)	VOC, SVOC, TAL Metals, Cyanide, PCBs and Cr+6
32			12.0 ppm		
			15.0 ppm		
			18.0 ppm		
			25.0 ppm		
34			17.0 ppm		
			12.0 ppm		
			45.0 ppm		
36					

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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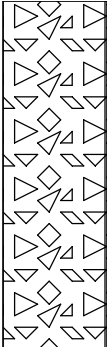
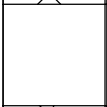
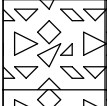
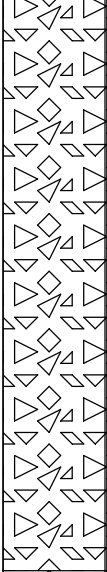

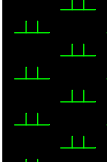

<div>ENSR AECOM</div>		Client: PPG		BORING ID: G3		
		Site: PPG - Jersey City, NJ				
Start Date: 8/11/2003		Project: Site Investigation		Page: 4 of 4		
		Coordinates: X-611499.08 Y-683128.87		Depth of Boring: 44.00		
End Date: 8/11/2003		Elevation: 15.19		Geologist: J. Karon		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters



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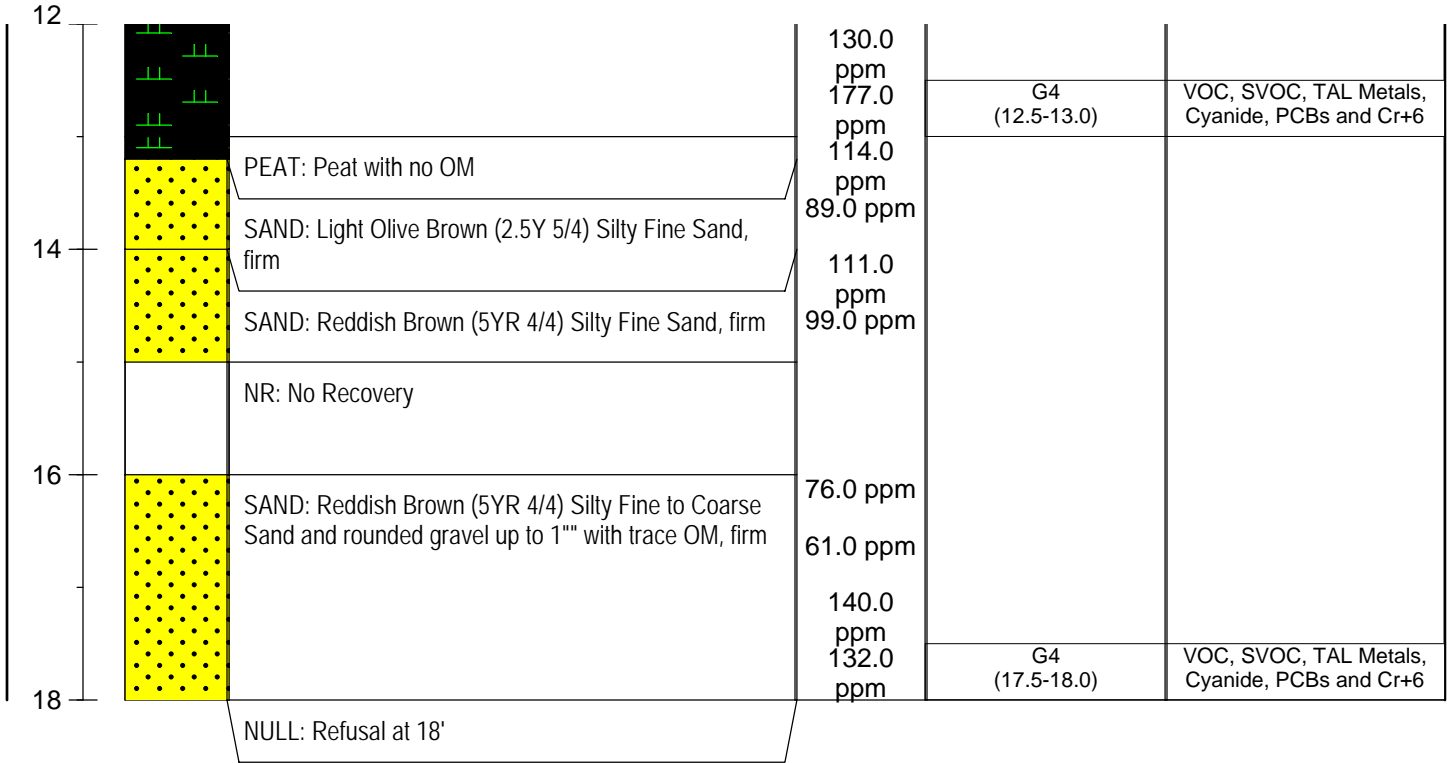
<div>ENSR AECOM</div>		Client: PPG			BORING ID: G4		
		Site: PPG - Jersey City, NJ					
Start Date: 8/19/2003		Project: Site Investigation			Page: 1 of 2		
		Coordinates: X-611444.51 Y-683275.6			Depth of Boring: 18.00		
End Date: 8/19/2003		Elevation: 13.44			Geologist: J. Karon		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		FILL: Fill, Strong Brown (7.5YR 4/6) Silty Fine Sand with COPR, firm	0.0 ppm	G4 (0.0-0.5)	SVOC, TAL Metals, Cyanide, PCBs and Cr+6
			0.0 ppm		
2		NR: No Recovery	0.0 ppm	G4 (1.5-2.0)	VOC
			0.0 ppm		
4		FILL: Same As Above (SAA)	0.0 ppm	G4 (2.5-3.0)	TAL Metals, PCBs and Cr+6
			0.0 ppm		
6		FILL: White, Yellow and Black AM, CM and Coal pieces, firm	0.0 ppm		
			0.0 ppm		
8		FILL: SAA with trace OM	25.0 ppm		
			47.0 ppm	G4 (6.5-7.0)	TAL Metals and Cr+6
10		PEAT: Peat with trace OM	38.0 ppm		
			52.0 ppm		
12		PEAT: Peat with trace OM	25.0 ppm		
			69.0 ppm		
			144.0 ppm		
			131.0 ppm		
			ppm		

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: G4		
		Site: PPG - Jersey City, NJ				
Start Date: 8/19/2003		Project: Site Investigation		Page: 2 of 2		
		Coordinates: X-611444.51 Y-683275.6		Depth of Boring: 18.00		
End Date: 8/19/2003		Elevation: 13.44		Geologist: J. Karon		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters



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ENSR AECOM		Client: PPG		BORING ID: G4A		
		Site: PPG - Jersey City, NJ				
Start Date: 8/20/2003		Project: Site Investigation		Page: 1 of 2		
		Coordinates: X-611502.94 Y-683247.76		Depth of Boring: 19.00		
End Date: 8/20/2003		Elevation: 13.44		Geologist: J. Karon		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0		FILL: Fill, Brown (7.5YR 4/2) Silty Fine Sand with COPR, firm	0.0 ppm	G-4A (0.0-0.5)	SVOC, TAL Metals, Cyanide, PCBs and Cr+6
			0.0 ppm		
2		FILL: Fill, Dark Gray (7.5YR 5/1) Silty Fine Sand, firm	0.0 ppm	G-4A (1.5-2.0)	VOC
			0.0 ppm		
4		NR: No Recovery	0.0 ppm		
6					
8		FILL: Fill, Dark Gray (7.5YR 5/1) Silty Fine Sand, firm	0.0 ppm		
			0.0 ppm		
10		FILL: Dark Gray (7.5YR 5/1) Ash Material (AM) Clinker Material (CM) with Oli Material (OM), firm	185.0 ppm		
			199.0 ppm		
12		NR: No Recovery	199.0 ppm		
			199.0 ppm		

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG	BORING ID: G4A		
		Site: PPG - Jersey City, NJ			
Start Date: 8/20/2003	Project: Site Investigation		Page: 2 of 2		
	Coordinates: X-611502.94 Y-683247.76		Depth of Boring: 19.00		
End Date: 8/20/2003	Elevation: 13.44		Geologist: J. Karon		
	Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters

<div> <div>12</div> <div>14</div> <div>16</div> <div>18</div> </div>		PEAT: Peat with OM	199.0 ppm	G-4A (12.0-12.5)	TAL Metals and Cr+6
		NR: No Recovery	199.0 ppm		
		SAND: Reddish Brown (5YR 4/4) Silty Fine to Coarse Sand and rounded gravel up to 1/2"" with OM, firm	199.0 ppm	G-4A (16.0-16.5)	TAL Metals and Cr+6
		SAND: Yellowish Brown (10YR 5/4) Silty Fine Sand with OM, firm	199.0 ppm		
		NULL: Refusal at 19'	199.0 ppm	G-4A (18.5-19.0)	VOC, SVOC, TAL Metals, Cyanide, PCBs and Cr+6

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<div>ENSR AECOM</div>		Client: PPG			BORING ID: MW5D		
		Site: PPG - Jersey City, NJ					
Start Date: 8/12/2003		Project: Site Investigation			Page: 1 of 6		
		Coordinates: X-611560.42 Y-683106.88			Depth of Boring: 71.00		
End Date: 8/12/2003		Elevation: 13.96			Geologist: T. Rymar		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		FILL: Fill, Dark Brown (7.5YR 3/2) Silty Fine Sand, Gravel, Brick and Concrete pieces, firm	0.0 ppm	MW-5D0.0	SVOC, TAL Metals, Cyanide, PCBs and Cr+6
			0.0 ppm		
			0.0 ppm		
2		FILL: Fill, Dark Brown Silty Fine Sand and COPR, firm	0.0 ppm	MW-5D1.5	VOC
			0.0 ppm	MW-5D2.0	TAL Metals, PCBs and Cr+6
4		NR: No Recovery			
6		FILL: Fill, Brown (7.5YR 5/4) Silty Fine Sand and concrete pieces, firm	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
8		FILL: Fill, Black (7.5YR 2.5/1) Silty Fine to Medium Sand, firm	0.0 ppm		
			65.0 ppm		
			199.0 ppm	MW-5D6.5	TAL Metals and Cr+6
10		NR: No Recovery			
12		FILL: Black Fine to Coarse Sand and Gravel up to 1/2" with Reddish Black OM, firm	199.0 ppm		
			199.0 ppm		
			199.0 ppm		
		NR: No Recovery	199.0 ppm		
			199.0 ppm		
			199.0 ppm		

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW5D		
		Site: PPG - Jersey City, NJ				
Start Date: 8/12/2003		Project: Site Investigation		Page: 2 of 6		
		Coordinates: X-611560.42 Y-683106.88		Depth of Boring: 71.00		
End Date: 8/12/2003		Elevation: 13.96		Geologist: T. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

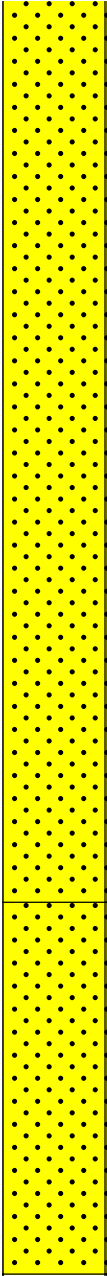
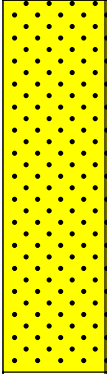

12		FILL: Black Fine to Coarse Sand with OM, AM and coal pieces, firm	199.0 ppm		
			127.0 ppm		
			150.0 ppm		
			199.0 ppm		
			199.0 ppm		
			127.0 ppm		
			199.0 ppm		
			199.0 ppm		
			199.0 ppm		
			199.0 ppm		
14					
16		NR: No Recovery	199.0 ppm		
18					
20		SAND: Reddish Brown (5YR 5/3) Fine to Medium Sand, firm	85.0 ppm	MW-5D20.0	VOC, SVOC, TAL Metals, Cyanide, PCBs and Cr+6
			68.0 ppm		
			45.0 ppm		
			30.0 ppm		
			40.0 ppm		
			50.0 ppm		
			36.0 ppm		
			36.0 ppm		
22					
24					

NOTES:

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW5D		
		Site: PPG - Jersey City, NJ				
Start Date: 8/12/2003		Project: Site Investigation		Page: 4 of 6		
		Coordinates: X-611560.42 Y-683106.88		Depth of Boring: 71.00		
End Date: 8/12/2003		Elevation: 13.96		Geologist: T. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

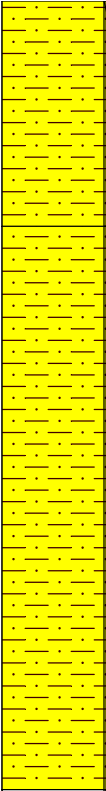
36			15.0 ppm		
			25.0 ppm		
			15.0 ppm		
			18.0 ppm		
38			20.0 ppm		
			25.0 ppm		
			32.0 ppm		
			15.0 ppm		
40			10.0 ppm		
			12.0 ppm		
			3.0 ppm		
			1.0 ppm		
42			1.0 ppm		
			1.0 ppm		
44		SAND: Same As Above (SAA)	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
46			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
48		NR: No Recovery			

NOTES:

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW5D		
		Site: PPG - Jersey City, NJ				
Start Date: 8/12/2003		Project: Site Investigation		Page: 5 of 6		
		Coordinates: X-611560.42 Y-683106.88		Depth of Boring: 71.00		
End Date: 8/12/2003		Elevation: 13.96		Geologist: T. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

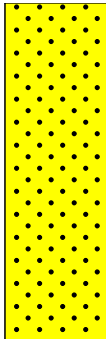
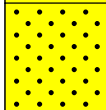
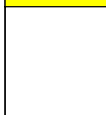
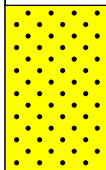

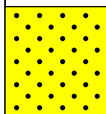
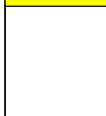
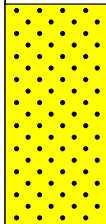
48		NULL: NR with direct push, drilled to 48' and spooned	0.0 ppm		
		SILT: Reddish Brown Silt with Clay, some Fine Sand	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
50		SILT: SAA with Gray Clay stringers	0.0 ppm		
			0.0 ppm		
52			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
54			0.0 ppm		
			0.0 ppm		
		NR: No Recovery			
56					
58					
60					

NOTES:

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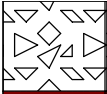








<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW5D		
		Site: PPG - Jersey City, NJ				
Start Date: 8/12/2003		Project: Site Investigation		Page: 6 of 6		
		Coordinates: X-611560.42 Y-683106.88		Depth of Boring: 71.00		
End Date: 8/12/2003		Elevation: 13.96		Geologist: T. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

60		SAND: Reddish Brown Fine to Coarse Sand with Gravel pieces up to 1/4	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
62		SAND: Reddish Brown Fine to Medium Sand, some gravel and silt	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
64		NR: No Recovery			
		SAND: Reddish Brown Fine to Medium Sand, some gravel and silt, very firm	0.0 ppm		
			0.0 ppm		
66			0.0 ppm		
		NR: No Recovery	0.0 ppm		
		SAND: Reddish Brown Fine Sand, some silt	0.0 ppm		
68			0.0 ppm		
		NR: No Recovery			
		SAND: Reddish Brown Fine Sand, some silt, silt and clay at tip	0.0 ppm		
70			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
NULL: End of boring at 71 ft.					

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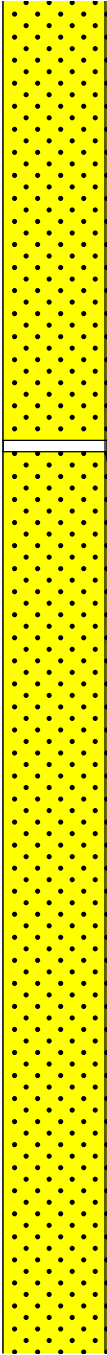
<div>ENSR AECOM</div>		Client: PPG			BORING ID: MW6D		
		Site: PPG - Jersey City, NJ					
Start Date: 8/16/2003		Project: Site Investigation			Page: 1 of 5		
		Coordinates: X-611855.33 Y-683401.66			Depth of Boring: 52.00		
End Date: 8/16/2003		Elevation: 15.07			Geologist: T. Rymar		
		Drill Subcontractor: ADI			Driller:		
Depth (ft)	Lithology	Description			PID	Sample ID	Sample Parameters

0		FILL: Fill, Dark Brown (7.5YR 3/2) Silty Fine Sand with Brick pieces, firm	0.0 ppm	MW-6D0.0	VOC, SVOC, TAL Metals, Cyanide, PCBs and Cr+6
			65.0 ppm		
2		ASPHALT: Asphalt	30.0 ppm		
			0.0 ppm	MW-6D1.5	VOC
			0.0 ppm		
			0.0 ppm	MW-6D2.5	TAL Metals, PCBs and Cr+6
4		FILL: Dark Brown Silty Fine Sand with Brick pieces, firm	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
6		FILL: Brown (7.5YR 5/4) Silty Fine Sand, firm	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
8		NR: No Recovery	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
10		FILL: Reddish Brown (5YR 5/4) Silty Fine Sand, firm	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
12		NR: No Recovery	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
		SAND: Same As Above (SAA), firm	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
		SAND: Same As Above (SAA), firm	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW6D		
		Site: PPG - Jersey City, NJ				
Start Date: 8/16/2003		Project: Site Investigation		Page: 2 of 5		
		Coordinates: X-611855.33 Y-683401.66		Depth of Boring: 52.00		
End Date: 8/16/2003		Elevation: 15.07		Geologist: T. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

12			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
14			0.0 ppm	MW-6D13.8	VOC, SVOC, TAL Metals, Cyanide, PCBs and Cr+6
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
16		NR: No Recovery	0.0 ppm		
			0.0 ppm		
		SAND: Reddish Brown Very Fine Sand, trace silt, firm	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
24			0.0 ppm		

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW6D		
		Site: PPG - Jersey City, NJ				
Start Date: 8/16/2003		Project: Site Investigation		Page: 4 of 5		
		Coordinates: X-611855.33 Y-683401.66		Depth of Boring: 52.00		
End Date: 8/16/2003		Elevation: 15.07		Geologist: T. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

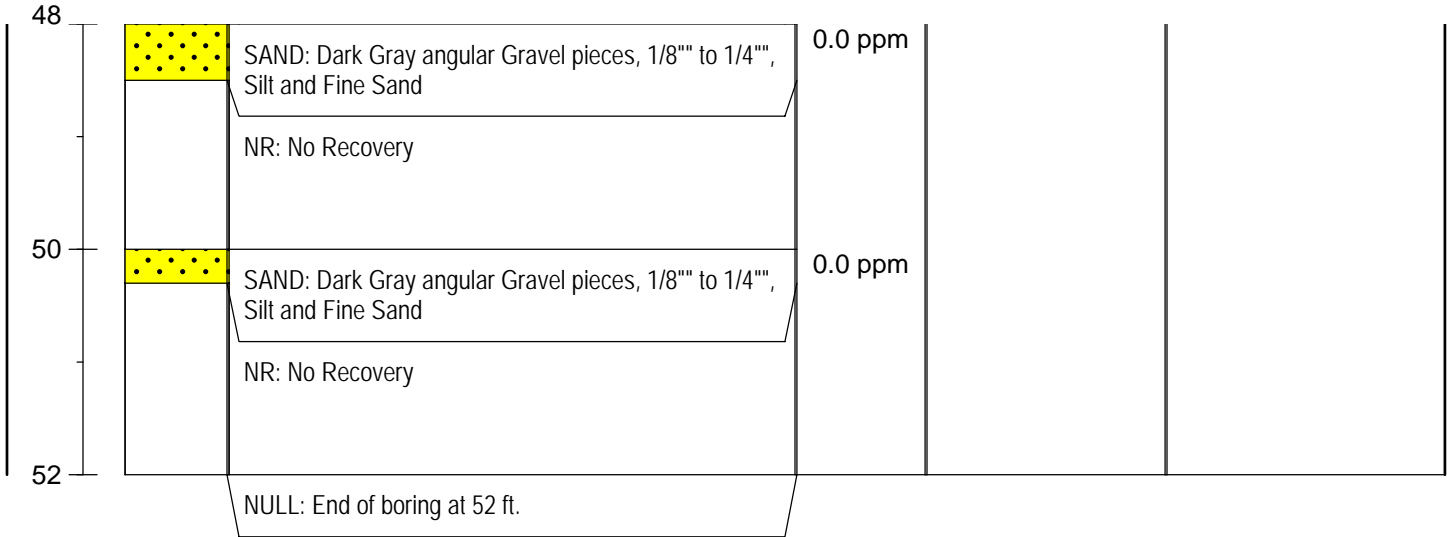
36		SAND: Reddish Brown Silt, some clay, little fine sand	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
38			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
			0.0 ppm		
40		SAND: Reddish Brown and Black Gravel, Clay and Silt	0.0 ppm		
42		SAND: Reddish Brown, Black and Gray Gravel, some Silt and Clay	0.0 ppm		
			0.0 ppm		
		NR: No Recovery			
44		SAND: Reddish Brown Silt and Medium Sand with Dark Gray Gravel	0.0 ppm		
			0.0 ppm		
			0.0 ppm		
		NR: No Recovery			
46		SAND: Reddish Brown Silt and Medium Sand with Dark Gray Gravel	0.0 ppm		
			0.0 ppm		
		NR: No Recovery			
48					

NOTES:

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<div>ENSR AECOM</div>		Client: PPG		BORING ID: MW6D		
		Site: PPG - Jersey City, NJ				
Start Date: 8/16/2003		Project: Site Investigation		Page: 5 of 5		
		Coordinates: X-611855.33 Y-683401.66		Depth of Boring: 52.00		
End Date: 8/16/2003		Elevation: 15.07		Geologist: T. Rymar		
		Drill Subcontractor: ADI		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters



NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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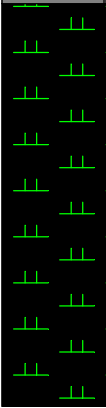
<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-20
	Site: Site 133	
Start Date: 9/28/2006	Project: Site Investigation	Page: 1 of 3
End Date: 9/28/2006	Coordinates: X-611200.8 Y-682784.6	Depth of Boring: 30.00
	Elevation: 13.48	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: TPI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
0		CONCRETE: Concrete	0.3		
		FILL: Dark reddish brown (2.5YR3/4) coarse to medium SAND, some fine Gravel, little to trace Silt, moist. 80% COPR.		OSB-20A(0.4-1.0)	MS/MSD, Cr+6, TAL Metals
		FILL: Greenish gray (gley16/1) SILTY SAND, some medium Sand and very fine Gravel, moist.		OSB-20B(1.0-1.5) OSB-20BD(1.0-1.5)	Cr+6, TAL Metals Cr+6, TAL Metals
2					
		FILL: Light brown (7.5YR6/3) coarse to medium SAND, some Silt and very fine Gravel, moist to wet.			
4			0.0		
				OSB-20C(5.0-5.5)	Cr+6, TAL Metals
6		FILL: Light brown (7.5YR6/3) CLAYEY SILT, some medium to fine Sand, trace of greenish gray (gley16/1) coarse Sand, wet.			
8			0.0		
				OSB-20D(9.0-9.5)	Cr+6, TAL Metals
10					

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ENSR AECOM	Client: PPG Industries	BORING ID: OSB-20
	Site: Site 133	
Start Date: 9/28/2006	Project: Site Investigation	Page: 2 of 3
	Coordinates: X-611200.8 Y-682784.6	Depth of Boring: 30.00
End Date: 9/28/2006	Elevation: 13.48	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: TPI

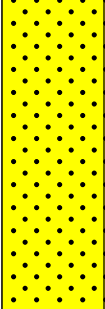
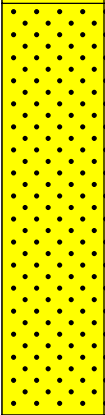
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
12		FILL: Gray (2.5Y6/1) coarse SAND and fine GRAVEL, little Silt, trace medium Sand, wet.	0.0	OSB-20E(13.5-14.0)	Cr+6, TAL Metals
14		NR: No Recovery	45.6		
16		FILL: Gray (2.5Y6/1) coarse SAND and fine GRAVEL, little Silt, trace medium Sand, wet.			
18		FILL: Gray (7.5YR6/1) SILTY CLAY, some fine Sand, trace medium Sand, wet.			
		PEAT: PEAT, wet.	163.0	OSB-20F(17.9-18.4)	Cr+6, TAL Metals
20					

NOTES:

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-20
	Site: Site 133	
Start Date: 9/28/2006	Project: Site Investigation	Page: 3 of 3
	Coordinates: X-611200.8 Y-682784.6	Depth of Boring: 30.00
End Date: 9/28/2006	Elevation: 13.48	Geologist: M. Abdelaziz
	Drill Subcontractor:	Driller: TPI


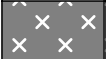

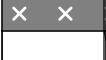


Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
22		SAND: Dark gray (gley14/1) fine to very fine SAND, some Silt, little Clay, wet.	6.4		
24		SAND: Gray (gley16/1) coarse to medium SAND, some fine Gravel and Silt, little to trace fine Sand, wet.			
26					
28		NR: No Recovery	N/A		
30					
<div> <div>NULL: End of boring at 30 feet.</div> </div>					

NOTES:

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-26
	Site: Site 133	
Start Date: 7/11/2006	Project: Site Investigation	Page: 1 of 4
	Coordinates: X-611555.7 Y-683793.3	Depth of Boring: 35.00
End Date: 7/26/2006	Elevation: 16.04	Geologist: M. Abdelaziz, R. Firely
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
0		ASPHALT: Asphalt	N/A	OSB-26A(0.2-0.7)	Cr+6, TAL Metals
		FILL: Dark yellowish brown (10YR4/4) coarse to fine SAND, little fine Gravel, moist. 10% COPR.			
2		FILL: Dark reddish brown (5YR3/3) fine SAND and SILT, trace fine Gravel, wet. 100% COPR.	0.0	OSB-26B(2.0-2.4)	Cr+6, TAL Metals
4			0.0		
6		FILL: Reddish brown (2.5YR4/3) SILT, some fine Sand, wet.	0.0		
		NR: No Recovery			
8			0.0		
		FILL: Weak red (10R4/3) SILT, some fine Sand, trace Clay and fine Gravel, wet.		OSB-26C(9.0-10.0)	MS/MSD, Cr+6, TAL Metals

NOTES:

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	Client: PPG Industries	BORING ID: OSB-26
	Site: Site 133	
Start Date: 7/11/2006	Project: Site Investigation	Page: 2 of 4
	Coordinates: X-611555.7 Y-683793.3	Depth of Boring: 35.00
End Date: 7/26/2006	Elevation: 16.04	Geologist: M. Abdelaziz, R. Firely
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
10	<div><div>x x x x x x x x x x x x x x x</div></div>		0.0		
12		NR: No Recovery			
14	<div><div>x x</div></div>	FILL: Weak red (10R4/3) SILT, some fine Sand, trace Clay and fine Gravel, wet.			
		NR: No Recovery			
16	<div><div>x x x x x x x x x x x x</div></div>	FILL: Weak red (10R4/3) SILT, some fine Sand, trace Clay and fine Gravel, wet.			
	<div><div>x x x x x x x x x x x x</div></div>	FILL: PEAT, some Silt, dry. Sewage odor.			
18		NR: No Recovery			

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries		BORING ID: OSB-26
	Site: Site 133		
Start Date: 7/11/2006	Project: Site Investigation		Page: 3 of 4
	Coordinates: X-611555.7 Y-683793.3		Depth of Boring: 35.00
End Date: 7/26/2006	Elevation: 16.04		Geologist: M. Abdelaziz, R. Firely
	Drill Subcontractor:		Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
20	<div> <div></div> <div></div> </div>	FILL: PEAT, some Silt, dry. Sewage odor.	0.0		
		FILL: Dark gray (7.5RN4) SILTY CLAY, some fine to very fine Sand, moist to dry.			
22	<div> <div></div> <div></div> </div>				
		NR: No Recovery			
24	<div> <div></div> <div></div> </div>		0.0		
		FILL: Dark gray (7.5RN4) SILTY CLAY, some fine to very fine Sand, moist to dry.			
26	<div> <div></div> <div></div> </div>				
28	<div> <div></div> <div></div> </div>		0.0		

NOTES:

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<div> <div>ENSR</div> <div>AECOM</div> </div>		Client: PPG Industries	BORING ID: OSB-26		
		Site: Site 133			
Start Date: 7/11/2006		Project: Site Investigation	Page: 4 of 4		
		Coordinates: X-611555.7 Y-683793.3	Depth of Boring: 35.00		
End Date: 7/26/2006		Elevation: 16.04	Geologist: M. Abdelaziz, R. Firely		
		Drill Subcontractor:	Driller: ADI		
Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
30		FILL: Dark grayish brown (10YR4/2) SILTY SAND, some fine to very fine Gravel, moist. 5% COPR.	0.0		
		NR: No Recovery			
32		FILL: Dark brown (7.5YR4/4) coarse SAND, some medium Sand, Silt, Glass and Wood chips, trace fine Gravel, wet.			
34					
NULL: End of boring at 35 feet.					

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-27
	Site: Site 133	
Start Date: 7/11/2006	Project: Site Investigation	Page: 1 of 2
	Coordinates: X-611461.1 Y-683848.7	Depth of Boring: 20.00
End Date: 7/27/2006	Elevation: 16.75	Geologist: M. Abdelaziz, R. Firely
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
0		ASPHALT: Asphalt	N/A		
		FILL: Brown (7.5YR4/3) fine SAND and SILT, little coarse to medium Sand and fine Gravel, moist. 10% COPR.		OSB-27A(0.6-1.0) OSB-27AD(0.6-1.0)	MS/MSD,Cr+6,TAL Metals Cr+6, TAL Metals
2		FILL: Dark reddish brown (5YR3/3) coarse to medium SAND and fine GRAVEL, little medium to fine Sand and Silt, moist. 100% COPR.		OSB-27B(2.0-2.4)	Cr+6, TAL Metals
		NR: Soft Dig - No Recovery			
4			0.0		
		FILL: Dusky red (10R3/2) coarse SAND, some Silt, little fine Gravel, wet. 70% COPR.			
8		NR: No Recovery			
		FILL: Dusky red (10R3/2) coarse SAND, some Silt, little fine Gravel, wet. 70% COPR.	0.0		
		FILL: Black (7.5YR2) coarse SAND, some Glass and Cinders, trace Silt, wet.		OSB-27C(9.3-9.8)	MS/MSD, Cr+6, TAL Metals
10					

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<div> <div>ENSR</div> <div>AECOM</div> </div>	Client: PPG Industries	BORING ID: OSB-27
	Site: Site 133	
Start Date: 7/11/2006	Project: Site Investigation	Page: 2 of 2
	Coordinates: X-611461.1 Y-683848.7	Depth of Boring: 20.00
End Date: 7/27/2006	Elevation: 16.75	Geologist: M. Abdelaziz, R. Firely
	Drill Subcontractor:	Driller: ADI

Depth (ft)	Lithology	Description	PID	Sample ID	Sample Parameters
12		NR: No Recovery	0.0		
		FILL: Dark grayish brown (10YR4/2) SILTY SAND, some medium to fine Sand, trace Clay and fine Gravel, wet to moist.		OSB-27D(12.0-12.5) OSB-27DD(12.0-12.5)	Cr+6, TAL Metals Cr+6, TAL Metals
14			0.0		
		FILL: Dark grayish brown (10YR4/2) SILTY SAND, some medium to fine Sand, trace Clay and fine Gravel, wet to moist.			
16		NR: No Recovery	0.0		
		FILL: Dusky red (10R3/3) coarse SAND, some fine Gravel, trace Silt(-), moist to wet.		OSB-27E(17.8-18.3)	Cr+6, TAL Metals
18			0.0		
		NR: No Recovery			
20		NULL: End of boring at 20 feet.			

NOTES:

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LOG OF SOIL BORING SB-23

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 16.29		PROJECT NUMBER 020667601					
DRILLING CONTRACTOR Advanced Drilling, Inc.			FOREMAN R. Empson		DATE STARTED 04/09/04		DATE COMPLETED 04/13/04				
DRILLING EQUIPMENT Hollow Stem Auger					COMPLETION DEPTH (FT BGS) 91'		ROCK DEPTH (FT) 88'				
TYPE BIT 4.25" diameter			SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 44	UNDIST. 0		CORE 0		
CASING N/A			N/A		WATER DEPTH	FIRST 2.0'	COMPL. N/A		24HR N/A		
CASING HAMMER		WEIGHT N/A	DROP N/A		BORING LOCATION						
SAMPLER 2" diameter 2' split-spoon					Eastern portion of site						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"		INSPECTOR E. Gaulin						

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Dust	Time Date	
0-1.0' FILL: Dark brown (7.5YR 3/2) medium SILTY SAND (SM), trace gravel, trace Chromate Ore Processing Residue (COPR), some broken glass, trace red brick fragments		0											Drillers augered through coarse gravel and plastic liner
			1	1.0	7	11:10	0.0	0.0		N/A	N/A		
					12		0.0						
					16								
2.0-12.0' FILL: Greenish silty/clayey silt material with suspected COPR		2											The fill contained suspected residue from chromate ore processing. Rich Feinberg (ENSR) stated that material is high in chrome, and from a part of the chrome process
			2	2.0	5	11:15	0.0	0.0		N/A	N/A		
					4		0.0						
					3		0.0						
					6		0.0						
			3	2.0	3	11:25	0.0	0.0		N/A	N/A		
					3		0.0						
					3		0.0						
					3		0.0						
			4	2.0	5	11:28	0.0	0.0		N/A	N/A		
					5		0.0						
					7		0.0						
Material is becoming less green, more Brown (7.5 YR 5/2)					7		0.0						
					7		0.0						
			5	2.0	4	11:31	0.0	0.0		N/A	N/A		
					4		0.0						
					4		0.0						
					4		0.0						
			6	2.0	2	11:37	0.0	0.0		N/A	N/A		
					3		0.0						
					3		0.0						
					3		0.0						
	Trace white specks. Bright green from 11.5-12.0'												

LOG OF SOIL BORING SB-23

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER						
Halladay Street, Jersey City, New Jersey				16.29		020667601						
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED					
Advanced Drilling, Inc.			R. Empson		04/09/04		04/13/04					
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)						
Hollow Stem Auger				91'		88'						
TYPE BIT		4.25" diameter		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	44	UNDIST.	0	CORE	0
CASING		N/A		N/A		WATER DEPTH	FIRST	2.0'	COMPL.	N/A	24HR	N/A
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION						
SAMPLER 2" diameter 2' split-spoon				Eastern portion of site								
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"		INSPECTOR E. Gaulin						

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Dust	Time Date	
12.0-18.0' FILL: Grayish green silty material, trace white specks, bright green from 13.8-14.0'		- 12 -		7	2.0	3	11:41	0.0	0.0		N/A	N/A	
		- -				5		0.0					
		- 13 -				5		0.0					
		- -				5		0.0					
		- 14 -		8	2.0	5	11:43	2.0	0.0				Slight fuel oil/ tar odor noted
		- -				6		3.5					
		- 15 -				7		3.0					
		- -				7		2.0					
		- 16 -		9	0.5	7	11:55	3.0	0.0				Fuel oil/ tar odor noted
		- -				7							
18.0-19.1' Peat (PT), black staining, fuel oil odors, suspected TM		- 17 -				6							
		- -				7							
		- 18 -		10	1.1	8	11:55	30.0	0.0				11:58 Collected sample SB-23(18.5-19.0) for TCL VOC, TCL SVOC, TAL Metals, CN
		- 19 -				8		25.0					Positive hydrophobic dye test at 19.0'
20.0-20.1' Peat (PT) 20.1-24.0' Reddish brown (2.5YR 4/3) fine to medium SILTY SAND (SM)		- -				6							
		- 20 -		11	1.5	8		18	0.0				Sheen at 21.0-21.5'. Positive hydrophobic dye test at 21.5'
		- -				10		11					
		- 21 -				12		8.0					
		- -				12							
		- 22 -		12	2.0	10		9.0	0.0				Oil material (OM) from 22.0-24.0'
		- -				13		15.0					
		- 23 -				13		24.0					
	- -				13		8.0						
	- 24 -												

LOG OF SOIL BORING SB-23

PROJECT LOCATION Halladay Street, Jersey City, New Jersey			GROUND ELEVATION (FT. MSL) 16.29		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN R. Empson	DATE STARTED 04/09/04		DATE COMPLETED 04/13/04	
DRILLING EQUIPMENT Hollow Stem Auger			COMPLETION DEPTH (FT BGS) 91'		ROCK DEPTH (FT) 88'	
TYPE BIT 4.25" diameter		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 44	UNDIST. 0	CORE 0
CASING N/A		N/A	WATER DEPTH	FIRST 2.0'	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	DROP N/A	BORING LOCATION			
SAMPLER 2" diameter 2' split-spoon			Eastern portion of site			
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"	INSPECTOR E. Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS	
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Dust	Time		
														Date
24.0-34.5' Reddish brown (2.5YR 4/4) fine to medium SILTY SAND (SM)	- 24 -												OM from 24.0-27.0; positive hydrophobic dye test at 24.0'	
		13	1.0	4		3.5				N/A	N/A			
	- 25 -			4		7.0								
					5								13:40 Collected sample for GC Fingerprint at 25.0-25.5'	
				5										
	- 26 -													
		14	1.5	3	13:48					N/A	N/A	13:45 Collected sample SB-23 (25.5-26.0) and SB-23 (25.5-26.0)Q for TCL VOC, TCL SVOC, TAL Metals, CN		
				4										
	- 27 -			6										
				6										
		- 28 -											Slight naphthalene-like odor	
		15	1.0	7	13:58	5.0	0.0			N/A	N/A			
			6		4.5									
- 29 -			7											
			6									Very naphthalene-like odor		
	- 30 -													
	16	1.0	8	14:05	3.0	0.0			N/A	N/A				
			8		1.0									
	- 31 -											OM (less viscous than shallower material) at approximately 32.5', positive dye test at 32.5'. Naphthalene-like odor.		
			8											
			8											
	- 32 -													
												Slight odor from 34.0- 34.5'		
	17	1.5	3	14:10	5.3	0.0			N/A	N/A				
			4		24.5									
- 33 -			5		81.0									
			4											
Slight discoloration from 34.0-35.0'	- 34 -													
34.5-36.0' Reddish brown (2.5YR 4/3) fine SILTY SAND (SM)			18	1.5	4	14:25	5.0	0.0		N/A	N/A			
					4		2.0							
	- 35 -				5		2.0							
					5									
	- 36 -													

LOG OF SOIL BORING SB-23

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER						
Halladay Street, Jersey City, New Jersey				16.29		020667601						
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED					
Advanced Drilling, Inc.			R. Empson		04/09/04		04/13/04					
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)						
Hollow Stem Auger				91'		88'						
TYPE BIT		4.25" diameter		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	44	UNDIST.	0	CORE	0
CASING		N/A		N/A		WATER DEPTH	FIRST	2.0'	COMPL.	N/A	24HR	N/A
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION						
SAMPLER 2" diameter 2' split-spoon				Eastern portion of site								
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"		INSPECTOR E. Gaulin						

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS	
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Dust	Time Date		
36.0-44.0' Reddish brown (2.5YR 4/3) fine SILTY SAND (SM)		- 36 -		19	1.5	6	14:29	1.0	0.0		N/A	N/A	14:30 Collected sample SB-23 (36.0-36.5) for TCL VOC, TCL SVOC, TAL Metals, CN	
		- -			6		1.0							
		- 37 -			7		1.0							
		- -			7									
		- 38 -		20	1.5	8	14:31	1.0	0.0		N/A	N/A	14:32 Collected sample SB-23 (38.0-38.5) for particle size analysis	
		- -			8		0.0							
		- 39 -			10		0.0							
		- -			11							Slight naphthalene-like odors		
		- 40 -		21	0.5	2	14:45	0.0	0.0		NA	N/A		
		- -			3									
		- 41 -			3									
		- -			3									
Grading to fine to coarse sand loose from 42.0'		- 42 -		22	1.0	5	14:50	0.0	0.0		N/A	N/A	Slight naphthalene odors, associated with groundwater	
		- -			5		0.0							
		- 43 -			6									
		- -			0									
		- 44 -		23	0.0	3	15:07				N/A	N/A		
		- -			3									
		- 45 -			4									
		- -			6									
	44.0-48.0' No Recovery		- 46 -		24	0.0	5	15:25				N/A	N/A	Augered to 48.0' to clear hole.
			- -			5								
			- 47 -			6								
			- -			8								
		- 48 -												
		- -												
		- 49 -												
		- -												

LOG OF SOIL BORING SB-23

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 16.29		PROJECT NUMBER 020667601				
DRILLING CONTRACTOR Advanced Drilling, Inc.			FOREMAN R. Empson		DATE STARTED 04/09/04		DATE COMPLETED 04/13/04			
DRILLING EQUIPMENT Hollow Stem Auger				COMPLETION DEPTH (FT BGS) 91'		ROCK DEPTH (FT) 88'				
TYPE BIT 4.25" diameter		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 44	UNDIST. 0		CORE 0		
CASING N/A		N/A		WATER DEPTH	FIRST 2.0'	COMPL. N/A		24HR N/A		
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION				
SAMPLER 2" diameter 2' split-spoon				Eastern portion of site						
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"		INSPECTOR E. Gaulin				

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Dust	Time Date	
48.0-54.5' Reddish brown (2.5YR 4/3) fine SILTY SAND (SM), loose	-	- 48 -		25	2.0	2	15:30	0.0			N/A	N/A	
		- -			2		0.0						
		- 49 -			2		0.0						
		- -			2		0.0						
Becoming firmer with more silt	-	- 50 -		26	1.0	7	15:35	0.0	0.0		N/A	N/A	
		- -			6		0.0						
		- 51 -			6								
		- -			6							End drilling 4/9/2004	
	-	- 52 -		27	1.5	3	8:50	1.0	0.0		N/A	N/A	Start drilling 4/12/2004
		- -			3		3.0					Slight naphthalene-like odors still present	
		- 53 -			6		0.5						
		- -			10								
54.5-55.0' Reddish brown (2.5YR 5/6) and red (2.5YR 5/6) interbedded SILTY CLAY and CLAYEY SILT, firm	-	- 54 -		28	1.0	3	9:05	0.0			N/A	N/A	No odors
		- -			2		0.0					9:12 Collected sample SB-23(54.0-54.5) for TCL VOC, TCL SVOC, TAL Metals, CN	
		- 55 -			5								
		- -			7								
56.0-58.0' Red (2.5YR 5/6) and gray (GLE 1 6/N) thinly interbedded CLAY and SILTY CLAY (CL) varved, highly plastic, sticky	-	- 56 -		29	1.0	3	9:10	0.0	0.0		N/A	N/A	
		- -			4		0.0						
		- 57 -			4								
		- -			6								
58.0-60.0' Reddish brown (2.5YR 5/4) SILTY CLAY (CL), firm, slightly moist	-	- 58 -		30	2.0	5	10:20	0.0	0.0		N/A	N/A	10:25 Collected sample SB-23(58.0-60.0) for particle size analysis
		- -			6		0.0						
		- 59 -			5		0.0						
		- -			6		0.0						
		- 60 -											









LOG OF SOIL BORING SB-23

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER		
Halladay Street, Jersey City, New Jersey				16.29		020667601		
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.			R. Empson		04/09/04		04/13/04	
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)		
Hollow Stem Auger				91'		88'		
TYPE BIT 4.25" diameter			SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 44	UNDIST. 0	CORE 0
CASING N/A			N/A		WATER DEPTH	FIRST 2.0'	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A		BORING LOCATION			
SAMPLER 2" diameter 2' split-spoon				Eastern portion of site				
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"		INSPECTOR E. Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Dust	Time Date	
60.0-61.8' Reddish brown (2.5YR 5/4) SILTY CLAY (CL), one-inch band of fine sand at 61.5'		- 60 -		31	2.0	6	10:30	0.0	0.0		N/A	N/A	
		- -				7		0.0					
		- 61 -				7		0.0					
		- -				7		0.0					
61.8-62.5' Red (2.5YR 5/6) and Gray (GLEY 1 6/N) interbedded CLAY and SILTY CLAY (CL)		- 62 -		32	2.0	8	11:01	0.0	0.0		N/A	N/A	
		- -				11		0.0					
		- 63 -				13		0.0					
		- -				16		0.0					
62.5-63.0' Reddish gray (2.5YR 6/1) fine SAND (SP), loose		- 64 -		33	2.0	12	11:07	0.0	0.0		N/A	N/A	
		- -				12		0.0					
		- 65 -				11		0.0					
		- -				16		0.0					
63.0-64.5' Reddish gray (2.5YR 6/1) SILTY CLAY (CL) and fine interbedded SILTY SAND (SM)		- 66 -		34	2.0	10	11:15	0.0	0.0		N/A	N/A	
		- -				17		0.0					
		- 67 -				17		0.0					
		- -				19		0.0					
64.5-68.0' Reddish brown (2.5YR 5/4) and Gray (GLEY 1 6/N) interbedded CLAY and SILTY CLAY (CL)		- 68 -		35	2.0	10	11:35	0.0	0.0		N/A	N/A	
		- -				12		0.0					
		- 69 -				12		0.0					
		- -				14		0.0					
68.0-72' Reddish brown (2.5YR 5/4) CLAYEY SILT (ML), little fine SANDY SILT (SM)		- 70 -		36	1.5	11	11:40	0.0	0.0		N/A	N/A	
		- -				11		0.0					
		- 71 -				13		0.0					
		- -				14							
Grading to fine SANDY SILT (SM) and SILT (ML) with occasional lenses of CLAYEY SILT (ML)		- 72 -											
		- -											
		- -											
		- -											

LOG OF SOIL BORING SB-23

PROJECT LOCATION Halladay Street, Jersey City, New Jersey			GROUND ELEVATION (FT. MSL) 16.29		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN R. Empson	DATE STARTED 04/09/04		DATE COMPLETED 04/13/04	
DRILLING EQUIPMENT Hollow Stem Auger			COMPLETION DEPTH (FT BGS) 29.0 91'		ROCK DEPTH (FT) 88'	
TYPE BIT 4.25" diameter		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 44	UNDIST. 0	CORE 0
CASING N/A		N/A	WATER DEPTH	FIRST 2.0'	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	DROP N/A	BORING LOCATION Eastern portion of site			
SAMPLER 2" diameter 2' split-spoon			INSPECTOR E. Gaulin			
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"				

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Dust	Time	
												Date	
72.0-73.0' Reddish brown (2.5YR 5/4) fine SANDY SILT, SILT, and CLAYEY SILT (ML), interbedded		- 72 -											
			37	2.0	12	11:45	0.0	0.0		N/A	N/A		
		- -			12		0.0						
		- 73 -			14		0.0						
73.0-74.5' Reddish brown (2.5YR 5/4) SILTY CLAY (CL) and CLAYEY SILT (ML) with occasional lenses of fine sand		- -			14		0.0						
		- 74 -											
			38	1.5	10	13:25	0.0	0.0		N/A	N/A		
		- -			13		0.0						
74.5-79.4' Reddish brown (2.5YR 5/4) fine SANDY SILT (ML) with occasional lenses of silty clay		- 75 -			17		0.0						
		- -			25								
		- 76 -											
			39	2.0	10	13:35	0.0	0.0		N/A	N/A		
		- -			12		0.0						
		- 77 -			19		0.0						
		- -			22		0.0						
		- 78 -											
			40	1.5	17	13:50	0.0	0.0		N/A	N/A	14:01 Collected sample SB-23(78.5-79.0) for TCL VOC, TCL SVOC, TAL Metals, CN	
		- -			25		0.0						
		- 79 -			30		0.0						
		- -			40								
79.4-79.5' TILL: fragments (1"-2") of red siltstone, one 1/4" fragment black siltstone													
		- 80 -											
			41	0.5	38	14:12	0.0	0.0		N/A	N/A	A few larger pieces (1-2") of red sandstone and siltstone, also greyish mudstone. Some black argillite.	
		- -			19								
- 81 -			12										
- -			17										
80.0-80.5' TILL:Subangular to subrounded GRAVEL (GP) between 1/2" and 1/4", little fine sand and silt, trace clay													
		- 82 -											
			42	1.5	14	14:30	0.0	0.0		N/A	N/A		
		- -			10		0.0						
- 83 -			9		0.0								
- -			10										
82.0-85.0' TILL: GRAVEL (GM), some fine sand and silt, trace clay													
		- 84 -											
		- -											








LOG OF SOIL BORING SB-23

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 16.29		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN R. Empson		DATE STARTED 04/09/04		DATE COMPLETED 04/13/04	
DRILLING EQUIPMENT Hollow Stem Auger				COMPLETION DEPTH (FT BGS) 29.0 91'		ROCK DEPTH (FT) 88'	
TYPE BIT 4.25" diameter		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 44	UNDIST. 0	CORE 0
CASING N/A		N/A		WATER DEPTH	FIRST 2.0'	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION Eastern portion of site	
SAMPLER 2" diameter 2' split-spoon							
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"		INSPECTOR E. Gaulin	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS	
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Dust	Time Date		
84.0-85.0' TILL: GRAVEL (GM), some fine sand and silt, trace clay, very firm with finer gravel		- 84 -												
		- - -		43	1.0	10	1445	0.0	0.0			N/A	N/A	
		- 85 -				16		0.0						
		- - -				27								
86.0-86.3' TILL: Fine GRAVEL (1/4") (GW)		- - -				30								
		- 86 -		44	0.3	30	1453	0.0	0.0			N/A	N/A	Hit hard layer, possibly bedrock at 88.0'. Drilled with roller bit and monitored mud. Drilled 3.0' into rock (down to 91.0'). Confirmed bedrock at 88.0', rock was argillite.
		- - -				32								
		- 87 -				22								
	- - -				38									
End of boring at 91.0'		- 88 -												
		- - -												
		- 89 -												
		- - -												
		- 90 -												
		- - -												
		- 91 -												
		- - -												
		- 92 -												
		- - -												
		- 93 -												
		- - -												
	- 94 -													
	- - -													
	- 95 -													
	- - -													
	- 96 -													

LOG OF SOIL BORING SB-24

PROJECT LOCATION Halladay Street, Jersey City, New Jersey			GROUND ELEVATION (FT. MSL) 13.99		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN R. Empson	DATE STARTED 04/05/04		DATE COMPLETED 04/07/04	
DRILLING EQUIPMENT Gefco SS 25 Auger Rig; 4.25" Hollow Stem Augers; 3" Spade Bit; 3.75" Roller Bit			COMPLETION DEPTH (FT BGS) 74'		ROCK DEPTH (FT) not encountered in SB-24	
TYPE BIT N/A		SIZE AND TYPE CORE BARREL	NO. SAMPLES 37	DIST. 37	UNDIST. 0	CORE 0
CASING 4" Steel to 38' bgs		N/A	WATER DEPTH 2.0'	FIRST N/A	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	DROP N/A	BORING LOCATION			
SAMPLER 2" diameter 2' split-spoon			Northeast corner of the MGP Site			
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"	INSPECTOR E. Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0'-2.25' FILL: Brown fine to medium SAND (SW),some cinders noted, trace Chromate Ore Processing Residue (COPR), some red brick fragments, firm, moist		- 0 -										Drillers augered through rip rap/gravel on top of plastic	
		- - -	1	1.5	4	11:01	0.0	0.0	11:01	n/a	n/a		
		- 1 -			6		0.0						
		- - -			6		0.0						
2.25-2.5' FILL: COPR, wet		- 2 -			32								
		- - -	2	0.8	6	11:07	0.0	0.0	11:07	n/a	n/a		
		- 2.5-2.8' FILL: Brown fine to medium SAND (SW), trace clinker material (CM), wet	- - -			8		0.0					
		- 3 -			10								
4.0-4.3' Grayish black fine SILT (ML), wet		- - -			10								
		- 4 -			15	11:10	0.0	0.0	11:10	n/a	n/a		
		- - -			13		0.0						
		- 5 -			9								
4.3-10.5' FILL: CM mixed with crushed stone, loose, wet.		- - -			8								
		- 6 -			3	11:13	0.0	0.0	11:13	n/a	n/a		
		- - -			2		0.0						
		- 7 -			1								
		- - -			2								
		- 8 -			2	11:20	0.0	0.0	11:20	n/a	n/a		
		- - -			1		0.0						
		- 9 -			1								
10.5-12.5' Reddish brown (2.5YR 5/4) fine SILT (ML)		- - -			1	11:23	5.2	0.0	11:23	n/a	n/a	Oil material (OM) with positive hydrophobic dye test from 12.0-12.5'. No staining in peat/clay	
		- 10 -			2		1.9						
		- - -			1								
		- 11 -			3								
12.5-13.5' Soft brown Peat (PT) and organic clay, little (10%) gravel		- 12 -			9	11:28	0.0	0.0	11:28	n/a	n/a	11:30 Collected sample SB-24 (12.0-12.5) for TCL VOC, TCL SVOC, TAL Metals, CN	
		- - -			6		0.0						
		- 13 -			6		0.0						
		- - -			8								
		- 14 -											

LOG OF SOIL BORING SB-24

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 13.99				PROJECT NUMBER 020667601							
DRILLING CONTRACTOR Advanced Drilling, Inc.				FOREMAN R. Empson				DATE STARTED 04/05/04				DATE COMPLETED 04/07/04			
DRILLING EQUIPMENT Gefco SS 25 Auger Rig; 4.25" Hollow Stem Augers; 3" Spade Bit; 3.75" Roller Bit								COMPLETION DEPTH (FT BGS) 74'				ROCK DEPTH (FT) not encountered in SB-24			
TYPE BIT N/A				SIZE AND TYPE CORE BARREL N/A				NO. SAMPLES 37		DIST. 37		UNDIST. 0		CORE 0	
CASING 4" Steel to 38' bgs				N/A				WATER DEPTH FIRST 2.0'		COMPL. N/A		24HR N/A			
CASING HAMMER WEIGHT N/A				DROP N/A				BORING LOCATION Northeast corner of the MGP Site							
SAMPLER 2" diameter 2' split-spoon				INSPECTOR E. Gaulin											
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"											
DESCRIPTION			Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
						Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
14.0-14.9' Greenish gray (GLE Y1 5/1) SILTY CLAY (CL)			- 14 -		8	1.5	4	11:39	0.0	0.0	11:39	n/a	n/a	11:47 Collected sample SB-24 (14.0 -14.5) for TCL VOC, TCL SVOC, TAL Metals, CN	
14.9-15.2' Grayish brown (10YR 5/2) fine SAND (SP)			- 15 -				4		0.0	0.0					
15.2-15.5' Reddish brown (2.5YR 4/4) SILTY CLAY (CL), fine gravel			- 16 -				6		0.0	0.0				No staining, odors	
16.0-17.0' Reddish brown (2.5YR 4/4) fine GRAVEL and coarse SAND (GP), some fine SAND, wet			- 16 -	16'	9	1.0	7	11:45	0.0	0.0	11:45	n/a	n/a	Water table at 16'. Earlier water was probably perched.	
			- 17 -				12		0.0	0.0					
			- 18 -				14								
18.0-20.2' Reddish brown (2.5YR 4/4) fine to medium SAND (SP), trace fine gravel, wet			- 18 -		10	2.0	13	11:57	0.0	0.0	11:57	n/a	n/a		
			- 19 -				14		0.0	0.0					
			- 20 -				15		0.0	0.0					
20.2-22.2' Reddish brown (2.5YR 4/4) fine to medium SAND (SW), trace (5%) gravel, moist			- 20 -		11	0.7	11	12:10	0.0	0.0	12:10	n/a	n/a		
			- 21 -				11		0.0	0.0					
			- 22 -				13								
22.2-25.3' Reddish brown (2.5YR 4/4) medium to coarse SAND (SW), trace silt, wet			- 22 -		12	0.7	9	13:27	0.0	0.0	13:27	n/a	n/a		
			- 23 -				8		0.0	0.0					
			- 24 -				11								
			- 25 -				13								
25.3-25.5' Reddish brown (2.5YR 4/4) SILT (ML), some fine sand			- 25 -		13	1.5	7	13:31	0.0	0.0	13:31	n/a	n/a	13:35 Collected sample SB-24 (24.0 -26.0) for particle size analysis via sieve and hydrometer	
			- 26 -				7		0.0	0.0					
26.0-27.5' Reddish brown (2.5YR 4/4) FINE SILTY SAND (SM), lenses of fine sand			- 26 -		14	1.5	8	13:43	0.0	0.0	13:43	n/a	n/a		
			- 27 -				9		0.0	0.0					
			- 28 -				10		0.0	0.0					
			- 28 -				9								

LOG OF SOIL BORING SB-24





PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 13.99				PROJECT NUMBER 020667601						
DRILLING CONTRACTOR Advanced Drilling, Inc.				FOREMAN R. Empson		DATE STARTED 04/05/04		DATE COMPLETED 04/07/04						
DRILLING EQUIPMENT Gefco SS 25 Auger Rig; 4.25" Hollow Stem Augers; 3" Spade Bit; 3.75" Roller Bit						COMPLETION DEPTH (FT BGS) 74'		ROCK DEPTH (FT) not encountered in SB-24						
TYPE BIT N/A		SIZE AND TYPE CORE BARREL N/A				NO. SAMPLES	DIST. 37	UNDIST. 0		CORE 0				
CASING 4" Steel to 38' bgs		N/A				WATER DEPTH	FIRST 2.0'	COMPL. N/A		24HR N/A				
CASING HAMMER		WEIGHT N/A	DROP N/A			BORING LOCATION Northeast corner of the MGP Site								
SAMPLER 2" diameter 2' split-spoon						INSPECTOR E. Gaulin								
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"											
DESCRIPTION		Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)				REMARKS	
					Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space		Time Date
28.0-30.5' Reddish brown (2.5YR 4/4) FINE SILTY SAND (SM), lenses of medium sand			- 28 -		15	1.2	10	13:55	0.0	0.0	13:55	n/a	n/a	
			- -				15		0.0					
			- 29 -				16		0.0					
			- -				16							
30.5-35.0' Reddish brown (2.5YR 4/4) FINE SILTY SAND (SM), lenses of silt			- 30 -		16	1.5	8	14:00	0.0	0.0	14:00	n/a	n/a	
			- -				9		0.0					
			- 31 -				10		0.0					
			- -				9							
36.0-37.0' Reddish brown (2.5YR 4/4) SILTY SAND and FINE SAND (SM), lenses of clay from 36.8 - 37.0'			- 32 -		17	1.0	8	14:14	0.0	0.0	14:14	n/a	n/a	
			- -				9		0.0					
			- 33 -				11							
			- -				15							
38.0-37.0' Reddish brown (2.5YR 4/4) SILTY SAND and FINE SAND (SM), lenses of clay from 36.8 - 37.0'			- 34 -		18	1.0	15	14:20	0.0	0.0	14:20	n/a	n/a	
			- -				20		0.0					
			- 35 -				20							
			- -				16							
36.0-37.0' Reddish brown (2.5YR 4/4) SILTY SAND and FINE SAND (SM), lenses of clay from 36.8 - 37.0'			- 36 -		19	1.0	27	14:45	0.0	0.0	14:45	n/a	n/a	14:50 Collected sample SB-24 (35.0 -37.0) for particle size analysis via sieve and hydrometer
			- -				38		0.0					
			- 37 -				42							
			- -				50/5"							
38.0-38.5' Medium to coarse SAND (SW), trace gravel			- 38 -		20	0.5	100/5"	14:57	0.0	0.0	14:57	n/a	n/a	Set 4" casing at 38'
			- -											
			- 39 -											
			- -											
40.0-42.0' Reddish brown (2.5YR 4/4) CLAYEY SAND and GRAVEL (GC). Gravel was subrounded to angular, 0.25" in diameter.			- 40 -		21	0.5	9	10:20	0.0	0.0	10:20	n/a	n/a	End drilling 4/5/2004 Resumed drilling 4/6/2004
			- -				10							
			- 41 -				15							Possible shallow till layer
			- -				12							
			- 42 -											

LOG OF SOIL BORING SB-24

PROJECT LOCATION Halladay Street, Jersey City, New Jersey			GROUND ELEVATION (FT. MSL) 13.99		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN R. Empson		DATE STARTED 04/05/04		DATE COMPLETED 04/07/04
DRILLING EQUIPMENT Gefco SS 25 Auger Rig; 4.25" Hollow Stem Augers; 3" Spade Bit; 3.75" Roller Bit			COMPLETION DEPTH (FT BGS) 74'		ROCK DEPTH (FT) not encountered in SB-24	
TYPE BIT N/A	SIZE AND TYPE CORE BARREL N/A		NO. SAMPLES 37	DIST. 37	UNDIST. 0	CORE 0
CASING 4" Steel to 38' bgs	N/A		WATER DEPTH 2.0'	FIRST 2.0'	COMPL. N/A	24HR N/A
CASING HAMMER WEIGHT N/A	DROP N/A		BORING LOCATION Northeast corner of the MGP Site			
SAMPLER 2" diameter 2' split-spoon			INSPECTOR E. Gaulin			
SAMPLER HAMMER WEIGHT 140 lbs.	DROP 30"					

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
42.0-44.25' Reddish brown (2.5YR 4/4) CLAYEY SAND and GRAVEL (GC); subrounded to angular gravel (0.25")		- 42 -		22	0.5	8	10:30	0.0	0.0	10:30	n/a	n/a	Possible shallow till layer
		- -				10							
		- 43 -				11							
		- -				9							
Grading to angular gravel (0.75")		- 44 -		23	0.5	8	10:45	0.0	0.0	10:45	n/a	n/a	Possible shallow till layer
		- -				19							
		- 45 -				14							
		- -				13							
46.3-48.1' Reddish brown SILTY SAND to SILTY FINE SAND (SM), trace (<5%) gravel		- 46 -		24	1.0	50/3"	10:50	0.0	0.0	10:50	n/a	n/a	
		- -				0.0		0.0					
		- 47 -											
		- -											
48.1-56.0' Red (2.5YR 5/6) SILTY CLAY (CL), firm, slightly moist, few lenses of silt.		- 48 -		25	1.0	14	11:15	0.0	0.0	11:15	n/a	n/a	
		- -				9		0.0	0.0				
		- 49 -				13							
		- -				15							
		- 50 -		26	1.5	15	11:20	0.0	0.0	11:20	n/a	n/a	
		- -				13		0.0	0.0				
		- 51 -				14		0.0	0.0				
		- -				14							
		- 52 -		27	1.0	12	11:40	0.0	0.0	11:40	n/a	n/a	
		- -				13		0.0	0.0				
		- 53 -				13							
		- -				13							
		- 54 -		28	1.0	32	11:50	0.0	0.0	11:50	n/a	n/a	Collected sample SB-24 (53.0 -55.0) for particle size analysis via sieve and hydrometer
		- -				36		0.0	0.0				
		- 55 -				38							
		- -				39							
		- 56 -											

LOG OF SOIL BORING SB-24









PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 13.99				PROJECT NUMBER 020667601									
DRILLING CONTRACTOR Advanced Drilling, Inc.				FOREMAN R. Empson				DATE STARTED 04/05/04				DATE COMPLETED 04/07/04					
DRILLING EQUIPMENT Gefco SS 25 Auger Rig; 4.25" Hollow Stem Augers; 3" Spade Bit; 3.75" Roller Bit								COMPLETION DEPTH (FT BGS) 74'				ROCK DEPTH (FT) not encountered in SB-24					
TYPE BIT N/A				SIZE AND TYPE CORE BARREL N/A				NO. SAMPLES		DIST. 37		UNDIST. 0		CORE 0			
CASING 4" Steel to 38' bgs				N/A				WATER DEPTH		FIRST 2.0'		COMPL. N/A		24HR N/A			
CASING HAMMER				WEIGHT N/A				DROP N/A				BORING LOCATION Northeast corner of the MGP Site					
SAMPLER 2" diameter 2' split-spoon				DROP 30"				INSPECTOR E. Gaulin									
SAMPLER HAMMER				WEIGHT 140 lbs.													
DESCRIPTION				Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS	
							Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date		
56.0-68.25' Red (2.5YR 5/6) SILTY CLAY (CL) interbedded with reddish gray (5YR 5/2) lenses of silt					- 56 -												
						29	1.0	30	13:20	0.0	0.0	13:20	n/a	n/a			
					- -												
								32		0.0	0.0						
					- 57 -												
					- -			34									
					- -			34									
					- 58 -												
					- -												
					- 59 -												
No recovery from 58.0-60.0'					- 58 -												
						30	0.0	27	13:33	-	-	13:33	n/a	n/a	No recovery, stone had jammed spoon.		
					- -												
								40		-	-						
					- 59 -												
					- -			50/2"									
					- 60 -												
					- -												
					- 61 -												
					- -												
- 62 -																	
68.25-70.0' TILL: Reddish brown (2.5YR 4/4) FINE SILTY SAND and SILTY CLAY (SC), little (10%) angular to rounded gravel (0.25"-0.5")					- 62 -												
						32	1.0	35	14:17	0.0	0.0	14:17	n/a	n/a	Driller noted at 49' a cobble had bent the hole slightly. They will use larger bit to clear hole.		
					- -												
								50/5"		0.0	0.0						
					- 63 -												
					- -												
					- 64 -												
					- -												
					- 65 -												
					- -												
- 66 -																	
					- 66 -												
						34	1.0	41	15:31	0.0	0.0	15:31	n/a	n/a	16:23 Collected sample SB-24 (68.0-68.5) Till at approximately 69'		
					- -												
								50/4"		0.0	0.0						
					- 67 -												
					- -												
					- 68 -												
					- -												
					- 69 -												
					- -												
- 70 -																	

LOG OF SOIL BORING SB-24

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 13.99				PROJECT NUMBER 020667601						
DRILLING CONTRACTOR Advanced Drilling, Inc.				FOREMAN R. Empson		DATE STARTED 04/05/04		DATE COMPLETED 04/07/04						
DRILLING EQUIPMENT Gefco SS 25 Auger Rig; 4.25" Hollow Stem Augers; 3" Spade Bit; 3.75" Roller Bit						COMPLETION DEPTH (FT BGS) 74'		ROCK DEPTH (FT) not encountered in SB-24						
TYPE BIT N/A		SIZE AND TYPE CORE BARREL N/A				NO. SAMPLES	DIST. 37	UNDIST. 0		CORE 0				
CASING 4" Steel to 38' bgs		N/A				WATER DEPTH	FIRST 2.0'	COMPL. N/A		24HR N/A				
CASING HAMMER		WEIGHT N/A	DROP N/A		BORING LOCATION Northeast corner of the MGP Site									
SAMPLER 2" diameter 2' split-spoon						INSPECTOR E. Gaulin								
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"										
DESCRIPTION			Sample Interval Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
					Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
70.0-72.5' TILL: Reddish brown (2.5YR 4/4) FINE SILTY SAND and SILTY CLAY (SC), little (10%) angular to rounded gravel (0.25"-0.5") <														

LOG OF SOIL BORING SB-26

PROJECT LOCATION Halladay Street, Jersey City, New Jersey			GROUND ELEVATION (FT. MSL) 16.07		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN R. Empson	DATE STARTED 04/15/04		DATE COMPLETED 04/19/04	
DRILLING EQUIPMENT Gefco SS 25 Auger Rig; 4.25" Hollow Stem Augers; 3" Spade Bit; 3.75" Roller Bit			COMPLETION DEPTH (FT BGS) 78'		ROCK DEPTH (FT) 72'	
TYPE BIT N/A		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 35	UNDIST. 0	CORE 0
CASING Augers to 48', then double casing		N/A	WATER DEPTH	FIRST 9.0'	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	DROP N/A	BORING LOCATION			
SAMPLER 2" diameter 2' split-spoon			Eastern border of parking lot, north of Halstead building.			
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"	INSPECTOR E. Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0'-2.0' FILL: Fine to medium SILTY SAND (SM), some brick fragments, trace clinker material (CM), occasional coal fragments. Slightly moist.		- 0 -	1	2.0	5	13:23	0.0	0.0	13:23	n/a	n/a	Boring through grass.	
		- -											
		- 1 -											
		- -											
2.0-2.3' FILL: crushed concrete		- 2 -	2	1.0	9	13:25	0.0	0.0	13:25	n/a	n/a	Fuel oil odors	
		- -											
2.3-3.0' FILL: Soil, coal fragments, trace CM		- 3 -	3	0.5	8	13:36	9.0	0.0	13:36	n/a	n/a	Fuel oil odors	
		- -											
4.0-4.5' FILL: Soil, trace crushed concrete, trace CM		- 4 -	4	1.0	4	13:39	70.0	0.0	13:39	n/a	n/a	Heavy odors, dye test positive	
		- -											
		- 5 -											
		- -											
6.0-14.0' FILL: wood, coal and ceramic fragments, some gravel		- 6 -	6	1.0	1	13:51	78.0	0.0	13:51	n/a	n/a	Fuel oil odors and staining.	
		- -											
		- 11 -											
		- -											
Trace fine to medium sand		- 8 -	5	1.0	4	13:40	50.0	0.0	13:40	n/a	n/a	13:40 Collected sample SB-26 (9.0-9.5) for TCL VOC, TCL SVOC, TAL Metals, CN and GC fingerprint analysis.	
		- -											
		- 9 -											
		- -											
		- 10 -	7	0.5	1	13:55	30.0	0.0	13:55	n/a	n/a	Fuel oil odors and staining.	
		- -											
		- 12 -											
		- -											
		- 12 -	7	0.5	1	13:55	30.0	0.0	13:55	n/a	n/a	Fuel oil odors and staining.	
- -													
- 13 -													
- -													
		- 14 -											







LOG OF SOIL BORING SB-26

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 16.07				PROJECT NUMBER 020667601							
DRILLING CONTRACTOR Advanced Drilling, Inc.				FOREMAN R. Empson				DATE STARTED 04/15/04		DATE COMPLETED 04/19/04					
DRILLING EQUIPMENT Gefco SS 25 Auger Rig; 4.25" Hollow Stem Augers; 3" Spade Bit; 3.75" Roller Bit				COMPLETION DEPTH (FT BGS) 78'				ROCK DEPTH (FT) 72'							
TYPE BIT N/A				SIZE AND TYPE CORE BARREL				NO. SAMPLES		DIST. 35		UNDIST. 0		CORE 0	
CASING Augers to 48', then double casing				N/A				WATER DEPTH		FIRST 9.0'		COMPL. N/A		24HR N/A	
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION									
SAMPLER 2" diameter 2' split-spoon				Eastern border of parking lot, north of Halstead building.											
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"		INSPECTOR E. Gaulin									
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS		
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date			
14.0-16.3' FILL: wood, coal and ceramic fragments, some gravel, trace sand		- 14 -		8	0.5	1	13:59	30.0	0.0	13:59	n/a	n/a			
		- - -				2		2.0							
		- 15 -				2									
		- - -				1									
		- 16 -		9	0.3	5	14:02	10.0	0.0	14:02	n/a	n/a		Estimated peat at approximately 17'	
		- - -				3									
		- 17 -				3									
		- - -				3									
	18.0-20.5' Peat (PT). Greenish gray (GLE Y1 6/1) clay, trace silt, firm		- 18 -		10	2.0	3	14:05	0.0	0.0	14:05	n/a		n/a	Peat is clean, no odors or staining. 14:10 Collected sample SB-26 (19.5 -20.0) for TCL VOC, TCL SVOC, TAL Metals, CN
			- - -				3		0.0						
		- 19 -				3		0.0							
		- - -				3		0.0							
20.5-23.9' Reddish brown (2.5YR 5/3) fine to coarse SILTY SAND (SM), little (10%) subrounded to subangular gravel		- 20 -		11	1.5	3	9:26	0.0	0.0	9:26	n/a	n/a	Started drilling 4/16/2004		
		- - -				4		0.0							
		- 21 -				12		0.0							
		- - -				13									
23.9-24.5' Reddish brown (2.5YR 5/3) fine to medium SAND (SW), little silt, firm, wet		- 22 -		12	2.0	21	9:30	0.0	0.0	9:30	n/a	n/a	No staining. Faint naphthalene odors, but no staining from 23.0-24.0'.		
		- - -				19		0.0							
		- 23 -				29		0.0							
		- - -				29		0.0							
24.5-26.5' Reddish brown (2.5YR 5/3) FINE SANDY SILT (ML), dense		- 24 -		13	1.0	5	9:50	0.0	0.0	9:50	n/a	n/a	No odors.		
		- - -				8		0.0							
		- 25 -				10									
		- - -				11									
Few silty clay lenses from 26.0-26.5'.		- 26 -		14	1.5	9	10:00	0.0	0.0	10:00	n/a	n/a	Slight organic odors. 10:01 Collected sample SB-26 (27.0 -27.5) for TCL VOC, TCL SVOC, TAL Metals, CN		
		- - -				9		0.0							
26.5-28.0' Reddish brown (2.5YR 4/4) SILTY FINE SAND (SM), loose		- 27 -				10		0.0							
		- - -				11									
		- 28 -													

LOG OF SOIL BORING SB-26

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 16.07				PROJECT NUMBER 020667601																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"		INSPECTOR E. Gaulin																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
DESCRIPTION			Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
						Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
28.0-29.0' Reddish brown (2.5YR 4/4) SILTY FINE SAND (SM), loose			-	28 -		15	1.5	10	10:02	0.0	0.0	10:02	n/a	n/a	Slight unidentifiable odor.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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LOG OF SOIL BORING SB-26

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 16.07				PROJECT NUMBER 020667601							
DRILLING CONTRACTOR Advanced Drilling, Inc.				FOREMAN R. Empson				DATE STARTED 04/15/04				DATE COMPLETED 04/19/04			
DRILLING EQUIPMENT Gefco SS 25 Auger Rig; 4.25" Hollow Stem Augers; 3" Spade Bit; 3.75" Roller Bit								COMPLETION DEPTH (FT BGS) 78'				ROCK DEPTH (FT) 72'			
TYPE BIT N/A				SIZE AND TYPE CORE BARREL				NO. SAMPLES		DIST. 35		UNDIST. 0		CORE 0	
CASING Augers to 48', then double casing				N/A				WATER DEPTH		FIRST 9.0'		COMPL. N/A		24HR N/A	
CASING HAMMER				WEIGHT N/A				DROP N/A				BORING LOCATION			
SAMPLER 2" diameter 2' split-spoon								Eastern border of parking lot, north of Halstead building.							
SAMPLER HAMMER				WEIGHT 140 lbs.				DROP 30"				INSPECTOR E. Gaulin			
DESCRIPTION			Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
						Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
42.0-44.0' Reddish brown (2.5YR 4/4) SILT (ML) and SILTY CLAY (CL), laminated Becoming a mix of silt, fine sand, trace clay, little (10%) subangular to subrounded gravel (0.25"-0.5" in diameter) 44.0-46.5 TILL: Reddish brown (2.5YR 4/4) SILTY SAND (SM), trace clay and subangular to subrounded siltstone and argillite fragments (0.25"-0.5" diameter)				- 42 -											No odors, staining.
					22	2.0	12	11:21	0.0	0.0	11:21	n/a	n/a		
				- -											
				- 43 -											
				- -			13		0.0						
				- -			13		0.0						
				- -			15		0.0						
				- 44 -		23	0.5	17	11:40	0.0	0.0	11:40	n/a	n/a	
				- -				50/3"		0.0					
				- 45 -											
48.0-49.5' Boulder. No spoon collected.				- 46 -										Boulder at approximately 48'. Could not auger through, switched to mud rotary. Possibly granite based on fragments observed in the drilling mud.	
				- -											
				- 47 -											
				- -											
				- 48 -											
				- -											
				- 49 -		24	0.5	100/2"	11:42	0.0	0.0	11:42	n/a		n/a
				- -											
				- 50 -											
				- -											
50.0-53.5' Reddish brown FINE SAND and SILTY FINE SAND (SM), very firm				- 51 -									Slight odor, natural organic.		
				- -											
				- 52 -											
				- -											
				- 53 -											
				- -											
				- 54 -		25	0.0								
				- -											
				- 55 -											
				- -											
54.0-56.0' Reddish brown (2.5YR 4/4) SILTY SAND and SANDY SILT (SM), very firm				- 56 -											
				- -											
				- 57 -											
				- -											
				- 58 -											
				- -											
				- 59 -		26	1.5	18	14:30	0.0	0.0	14:30		n/a	n/a
				- -				15		0.0					
				- 60 -				13		0.0					
				- -				12							
				- 61 -											
				- -											
				- 62 -											
				- -											
				- 63 -											
				- -											
				- 64 -		27	1.5	10	14:35	0.0	0.0	14:35		n/a	n/a
				- -				15		0.0					
				- 65 -				13		0.0					
				- -				10							
				- 66 -											
				- -											
				- 67 -											
				- -											
				- 68 -											
				- -											
				- 69 -		28	1.0	21	14:51	0.0	0.0	14:51		n/a	n/a
				- -				28		0.0					
				- 70 -				30							
				- -				48							

LOG OF SOIL BORING SB-26

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL) 16.07				PROJECT NUMBER 020667601							
DRILLING CONTRACTOR Advanced Drilling, Inc.				FOREMAN R. Empson				DATE STARTED 04/15/04				DATE COMPLETED 04/19/04			
DRILLING EQUIPMENT Gefco SS 25 Auger Rig; 4.25" Hollow Stem Augers; 3" Spade Bit; 3.75" Roller Bit								COMPLETION DEPTH (FT BGS) 78'				ROCK DEPTH (FT) 72'			
TYPE BIT N/A				SIZE AND TYPE CORE BARREL				NO. SAMPLES		DIST. 35		UNDIST. 0		CORE 0	
CASING Augers to 48', then double casing				N/A				WATER DEPTH		FIRST 9.0'		COMPL. N/A		24HR N/A	
CASING HAMMER				WEIGHT N/A				DROP N/A				BORING LOCATION			
SAMPLER 2" diameter 2' split-spoon								Eastern border of parking lot, north of Halstead building.							
SAMPLER HAMMER				WEIGHT 140 lbs.				DROP 30"				INSPECTOR E. Gaulin			
DESCRIPTION			Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
						Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
56.0-59.0' Reddish brown (2.5YR 4/4) SILTY SAND and SANDY SILT (SM), very firm			-	56	-	29	1.5	39	15:10	0.0	0.0	15:10	n/a	n/a	15:10 Collected sample SB-26 (56.5 -57.0) for TCL VOC, TCL SVOC, TAL Metal, CN
60.0-61.0' Reddish brown SILTY CLAY and CLAYEY SILT (CL), laminated			-	57	-			50		0.0			n/a	n/a	Slight odor
62.0-68.3' TILL: GRAVEL (GW). 20% fine subrounded gravel (argillite, grayish siltstone, some reddish brown siltstone), some silty sand, trace clay, tight.			-	58	-	30	1.0	33	15:24	0.0	0.0	15:24	n/a	n/a	
Becoming coarser with depth			-	59	-			30		0.0			n/a	n/a	
			-	60	-	31	1.0	42	15:41	0.0	0.0	15:41	n/a	n/a	61-62' Boulder of some type, slow drilling.
			-	61	-			50/5"		0.0			n/a	n/a	
			-	62	-	32	0.5	100/5"	9:20	0.0	0.0	9:20	n/a	n/a	Start drilling 4/16/2004
			-	63	-								n/a	n/a	Till
			-	64	-	33	0.3	100/5"	9:29	0.0	0.0	9:29	n/a	n/a	
			-	65	-								n/a	n/a	
			-	66	-	34	0.3	100/4"	10:02	0.0	0.0	10:02	n/a	n/a	
			-	67	-								n/a	n/a	
			-	68	-	35	0.3	100/2"	10:21	0.0	0.0	10:21	n/a	n/a	Decided to drill deeper because of poor recovery.
			-	69	-								n/a	n/a	
			-	70	-								n/a	n/a	

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Supplemental Remedial Investigation**

SCHOOR DEPALMA

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LOG OF SOIL BORING SB-27

PROJECT LOCATION Halladay Street, Jersey City, New Jersey		GROUND ELEVATION (FT. MSL)		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Jeremy Logel		DATE COMPLETED 04/25/05	
DRILLING EQUIPMENT Hollow Stem Auger Rig, 4.25" Augers		COMPLETION DEPTH (FT BGS) 58'		ROCK DEPTH (FT) not encountered	
TYPE BIT	N/A	SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST.	25
CASING	N/A	N/A	WATER DEPTH	FIRST	3.5'
CASING HAMMER	WEIGHT	N/A	DROP	N/A	
SAMPLER			BORING LOCATION		
2" diameter, 2' long split-spoon			Western side of MGP site, footprint of Morris Canal		
SAMPLER HAMMER	WEIGHT	140 lbs.	DROP	30"	INSPECTOR
			Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-0.4' Concrete		- 0 -		1	2.0		0838	0.0	0.0	0838	N/A	N/A	
0.4-1.0' FILL: gravel sub-base		- -						0.0					
1.0-1.25' FILL: Reddish brown fine SAND, black gravel		- 1 -				5		0.0					
		- -				6		0.0					
1.25-5.0' FILL: Bright green fine to medium SILTY SAND, little gravel		- 2 -		2	2.0	4	0841	0.0	0.0	0841	N/A	N/A	
		- -				6		0.0					
		- 3 -				5		0.0					
		- -				6		0.0					
5.0-5.2' FILL: Wood board		- 4 -		3	2.0	26	0851	0.0	0.0	0851	N/A	N/A	
		- -				27		0.0					
		- 5 -				41		0.0					
5.2-6.0' FILL: Black gravelly ash		- -				44		0.0					
6.0-10.0' FILL: Greenish gray (GLE Y 1 6/1), chromate ore processing residue (COPR), texture fine to medium SAND, little silt, wet		- 6 -		4	2.0	37	0851	0.0	0.0	0851	N/A	N/A	
		- -				40		0.0					
		- 7 -				42		0.0					
		- -				43		0.0					
		- 8 -		5	2.0	19	0851	0.0	0.0	0851	N/A	N/A	
		- -				17		0.0					
		- 9 -				14		0.0					
		- -				12		0.0					
		- 10 -											

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LOG OF SOIL BORING SB-27

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER 020667601		
DRILLING CONTRACTOR Advanced Drilling, Inc.			FOREMAN Jeremy Logel		DATE STARTED 04/21/05		DATE COMPLETED 04/25/05	
DRILLING EQUIPMENT Hollow Stem Auger Rig, 4.25" Augers				COMPLETION DEPTH (FT BGS) 58'		ROCK DEPTH (FT) not encountered		
TYPE BIT N/A			SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 25	UNDIST. N/A	CORE N/A
CASING N/A			N/A		WATER DEPTH	FIRST 3.5'	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION		
SAMPLER 2" diameter, 2' long split-spoon				Western side of MGP site, footprint of Morris Canal				
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"		INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	(PPM)					
								Sample	Ambient Air	Time	Head Space	Time Date	
10.0-10.5' FILL: Greenish gray (GLEYS 1 6/1), chromate ore processing residue (COPR), texture fine to medium SAND, little silt, wet 10.5-13.0' FILL: Dark reddish gray (2.5YR3/1) fine SAND and SILT, firm		- 10 -		6	1.5	10	0901	0.0	0.0	0901	N/A	N/A	
						7		0.0					
		- 11 -				1		0.0					
						1							
		- 12 -		7	1.0	5	0903	0.0	0.0	0903	N/A	N/A	
						6		0.0					0931 Sample SB-27(12.5-13.0) collected for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
		- 13 -				2							
						2							
		- 14 -											
													0952 No water in hydropunch. Sample with bailer SB-27-W(10) for TCL VOC, TCL SVOC, TAL Metals, level of water observed in augers
14.0-18.0' No Sample Collected - Hydropunch Driven		- 15 -											
		- 16 -											
		- 17 -											
		- 18 -		8	1.75	7	1021	0.0	0.0	1021	N/A	N/A	Swampy odors; possible canal bottom
						8		0.0					
		- 19 -				10		0.0					
						9		0.0					
18.0-18.7' FILL: loose peat, organic matter		- 20 -											
18.7-19.2' FILL: Dark gray (5YR4/1) SILTY SAND and SILTY CLAY, with 10% angular gravel													
19.2-20.5' FILL: Dark greenish gray (GLEYS 4/1) CLAY, 5% gravel, brick fragments													

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LOG OF SOIL BORING SB-27

PROJECT LOCATION Halladay Street, Jersey City, New Jersey					GROUND ELEVATION (FT. MSL)			PROJECT NUMBER 020667601						
DRILLING CONTRACTOR Advanced Drilling, Inc.			FOREMAN Jeremy Logel		DATE STARTED 04/21/05			DATE COMPLETED 04/25/05						
DRILLING EQUIPMENT Hollow Stem Auger Rig, 4.25" Augers					COMPLETION DEPTH (FT BGS) 58'			ROCK DEPTH (FT) not encountered						
TYPE BIT N/A			SIZE AND TYPE CORE BARREL N/A		NO. SAMPLES DIST. 25		UNDIST. N/A		CORE N/A					
CASING N/A			N/A		WATER DEPTH FIRST 3.5'		COMPL. N/A		24HR N/A					
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION Western side of MGP site, footprint of Morris Canal								
SAMPLER 2" diameter, 2' long split-spoon				INSPECTOR Eric Gaulin										
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"										
DESCRIPTION			Sample Interval	Depth (ft bgs)	Samples				PID READINGS (PPM)					REMARKS
					Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
19.2-20.5' FILL: Dark greenish gray (GLE 1 4/1) CLAY, 5% gravel, brick fragments			- 20 -	9	2.0	5	1027	0.0	0.0	1027	N/A	N/A	Suspected native soil at 20.5'	
20.5-22.0' Reddish brown (2.5YR4/4) fine SAND, little silt (SP)			- 21 -			6		0.0						
			- 21 -			7		0.0						
			- 21 -			7		0.0						
22.0-23.25' Reddish brown (2.5YR4/3) fine to medium SAND (SW)			- 22 -	10	2.0	4	1028	0.0	0.0	1028	N/A	N/A	1021 Sample SB-27(23.5-24.0) collected for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN	
			- 23 -			5		0.0						
			- 23 -			5		0.0						
			- 23 -			6		0.0						
23.25-25.0' Dark reddish brown (2.5YR3/4) fine SANDY SILT(SM)			- 24 -	11	1.75	8	1046	0.0	0.0	1046	N/A	N/A		
			- 25 -			9		0.0						
			- 25 -			10		0.0						
			- 25 -			11		0.0						
25.0-27.25' Dark gray (2.5YR4/1) SILTY CLAY, tight, dry (CL)			- 26 -	12	1.5	8	1053	0.0	0.0	1053	N/A	N/A		
			- 27 -			8		0.0						
			- 27 -			8		0.0						
			- 27 -			9								
27.25-29.25' Reddish brown (2.5YR4/4) fine sandy SILT(SM)			- 28 -	13	2.0	7	1055	0.0	0.0	1055	N/A	N/A		
			- 29 -			8		0.0						
			- 29 -			10		0.0						
			- 29 -			12		0.0						
29.25-30.2' Reddish brown (2.5YR5/3) SILTY CLAY (CL) with little bands of SILT			- 30 -											





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LOG OF SOIL BORING SB-27

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)				PROJECT NUMBER																			
Halladay Street, Jersey City, New Jersey								020667601																			
DRILLING CONTRACTOR				FOREMAN				DATE STARTED				DATE COMPLETED															
Advanced Drilling, Inc.				Jeremy Logel				04/21/05				04/25/05															
DRILLING EQUIPMENT								COMPLETION DEPTH (FT BGS)				ROCK DEPTH (FT)															
Hollow Stem Auger Rig, 4.25" Augers								58'				not encountered															
TYPE BIT				N/A				SIZE AND TYPE CORE BARREL				NO. SAMPLES		DIST.		25		UNDIST.		N/A		CORE		N/A			
CASING				N/A				N/A				WATER DEPTH		FIRST		3.5'		COMPL.		N/A		24HR		N/A			
CASING HAMMER				WEIGHT				N/A				DROP				N/A				BORING LOCATION Western side of MGP site, footprint of Morris Canal							
SAMPLER				2" diameter, 2' long split-spoon																							
SAMPLER HAMMER				WEIGHT				140 lbs.				DROP				30"				INSPECTOR				Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	(PPM)					
								Sample	Ambient Air	Time	Head Space	Time Date	
29.25-30.2' Reddish brown (2.5YR5/3) SILTY CLAY (CL) with little bands of SILT		- 30 -											
			14	1.2	10	1131	0.0	0.0	1131	N/A	N/A		
30.2-32.25' Reddish brown (2.5YR5/4) fine SILTY SAND (SM)					12		0.0						
		- 31 -			14		0.0						
				15									
		- 32 -											
32.25-34.3' Reddish brown (2.5YR5/4) fine SANDY SILT (SM)			15	2.0	16	1136	0.0	0.0	1136	N/A	N/A		
					17		0.0						
		- 33 -			19		0.0						
					21		0.0						
		- 34 -											
34.3-38.4' Reddish brown (2.5YR5/4) fine to medium SILTY SAND with less than 5% subrounded sandstone gravel 1/4 to 1 inch in diameter (GM)			16	1.8		1148	0.0	0.0	1148	N/A	N/A	1158 Sample SB-27(34.0-34.5) collected for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN	
							0.0						
		- 35 -					0.0						
							0.0						
		- 36 -											
			17	1.8	21	1152	0.0	0.0	1152	N/A	N/A	1449 Hydropunch sample SB-27-W (34-38) for TCL VOC, TCL SVOC, TAL Metals	
					23		0.0						
	- 37 -				24		0.0					water has reddish brown turbidity	
					26		0.0						
		- 38 -											
38.4-38.9' Reddish brown (2.5YR5/4) SILTY CLAY (CL), very wet and loose			18	1.1	19	1156	0.0	0.0	1156	N/A	N/A		
						18		0.0					
38.9-41.0' Reddish brown (2.5YR5/4) fine to medium SILTY SAND with less than 5% subrounded sandstone gravel 1/4 to 1 inch in diameter (GM), suspected Till		- 39 -				20		0.0					
						21		0.0					
		- 40 -											

PSEG SC Former Halladay Street Gas Works Site
Supplemental Remedial Investigation

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LOG OF SOIL BORING SB-27


PROJECT LOCATION Halladay Street, Jersey City, New Jersey					GROUND ELEVATION (FT. MSL)			PROJECT NUMBER 020667601					
DRILLING CONTRACTOR Advanced Drilling, Inc.			FOREMAN Jeremy Logel		DATE STARTED 04/21/05			DATE COMPLETED 04/25/05					
DRILLING EQUIPMENT Hollow Stem Auger Rig, 4.25" Augers					COMPLETION DEPTH (FT BGS) 58'			ROCK DEPTH (FT) not encountered					
TYPE BIT N/A			SIZE AND TYPE CORE BARREL N/A		NO. SAMPLES DIST. 25		UNDIST. N/A		CORE N/A				
CASING N/A			N/A		WATER DEPTH FIRST 3.5'		COMPL. N/A		24HR N/A				
CASING HAMMER			WEIGHT N/A		DROP N/A		BORING LOCATION Western side of MGP site, footprint of Morris Canal						
SAMPLER 2" diameter, 2' long split-spoon					INSPECTOR Eric Gaulin								
SAMPLER HAMMER			WEIGHT 140 lbs.		DROP 30"								
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
38.9-41.0' Reddish brown (2.5YR5/4) fine to medium SILTY SAND with less than 5% subrounded sandstone gravel 1/4 to 1 inch in diameter (GM), suspected Till	- 40 -												
		19	1.25	12	1518	0.0	0.0	1518	N/A	N/A			
				14		0.0							
	- 41 -												
				16		0.0							
				17									
	- 42 -												
		20	2.0	10	1523	0.0	0.0	1523	N/A	N/A			
				9		0.0							
	42.75-44.5' Loose mix of subangular to subrounded GRAVEL 1/4" some fine to coarse sand (GM), suspected Till	- 43 -											
				7		0.0							
				7		0.0							
- 44 -													
44.5-46.1' Reddish brown (5YR5/4) bands (1/2" thick) of SILTY CLAY and SILT		21	1.0	16	1553	0.0	0.0	1553	N/A	N/A			
				17		0.0							
	- 45 -												
				18									
46.1-47.4' Reddish brown (5YR5/4) fine SILTY SAND with less than 1% of fine gravel (SP), suspected Till				19									
	- 46 -												
		22	1.4	18	1554	0.0	0.0	1554	N/A	N/A			
				17		0.0							
46.1-51.5' Reddish gray (5YR5/2) fine SILTY SAND with less than 1% of fine gravel (SP), suspected Till	- 47 -												
				8		0.0							
				6									
	- 48 -												
		23	2.0	12	1558	0.0	0.0	1558	N/A	N/A			
				10		0.0							
	- 49 -												
				11		0.0							
				9		0.0							
	- 50 -												

PSEG SC Former Halladay Street Gas Works Site
Supplemental Remedial Investigation

SCHOOR DEPALMA

Page 6 of 6

LOG OF SOIL BORING SB-27

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL)				PROJECT NUMBER 020667601											
DRILLING CONTRACTOR Advanced Drilling, Inc.			FOREMAN Jeremy Logel		DATE STARTED 04/21/05			DATE COMPLETED 04/25/05											
DRILLING EQUIPMENT Hollow Stem Auger Rig, 4.25" Augers					COMPLETION DEPTH (FT BGS) 58'			ROCK DEPTH (FT) not encountered											
TYPE BIT N/A			SIZE AND TYPE CORE BARREL N/A		NO. SAMPLES DIST. 25		UNDIST. N/A		CORE N/A										
CASING N/A			N/A		WATER DEPTH FIRST 3.5'		COMPL. N/A		24HR N/A										
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION													
SAMPLER 2" diameter, 2' long split-spoon					Western side of MGP site, footprint of Morris Canal														
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"		INSPECTOR Eric Gaulin													
DESCRIPTION			Sample Interval	Depth (ft bgs)	Water Table	Samples			PID READINGS (PPM)					REMARKS					
						Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space		Time Date				
46.1-51.5' Reddish gray (5YR5/2) fine SILTY SAND with less than 1% of fine gravel (SP), suspected Till				- 50 -															
					24	1.5	12	1621	0.0	0.0	1621	N/A	N/A						
							19		0.0										
							17		0.0										
							16												
				52.0-54.0' Reddish gray (5YR5/2) fine SILTY SAND with less than 5% of fine gravel (SP), argillite fragments, suspected Till			- 52 -												
								25	2.0	10	1625	0.0	0.0	1625	N/A	N/A			
										9		0.0							
										8		0.0							
										9		0.0							
54.0-58.0' No Sample Collected - Hydropunch Driven			- 54 -																
End of Boring at 58' - Drillers tried to auger to this depth - augers broke leaving augers from 48' to 58'. - Hole grouted on 4/25/05			- 55 -																
No Odors or Staining Observed in The Boring; No MGP Related Contamination			- 56 -																
End of Boring at 58' - Drillers tried to auger to this depth - augers broke leaving augers from 48' to 58'. - Hole grouted on 4/25/05			- 57 -																
No Odors or Staining Observed in The Boring; No MGP Related Contamination			- 58 -																
No Odors or Staining Observed in The Boring; No MGP Related Contamination			- 59 -																
No Odors or Staining Observed in The Boring; No MGP Related Contamination			- 60 -																

LOG OF SOIL BORING SB-27A

PROJECT LOCATION Halladay Street, Jersey City, New Jersey				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Jeremy Logel		DATE STARTED 04/25/05		DATE COMPLETED 04/25/05	
DRILLING EQUIPMENT Hollow Stem Auger Rig, 4.25" Augers; 3 and 7/8" Roller Bit with Mud				COMPLETION DEPTH (FT BGS) 48'		ROCK DEPTH (FT) not encountered	
TYPE BIT N/A		SIZE AND TYPE CORE BARREL N/A		NO. SAMPLES	DIST. N/A	UNDIST. N/A	CORE N/A
CASING N/A		N/A		WATER DEPTH	FIRST N/A	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	DROP N/A		BORING LOCATION Western side of MGP site, footprint of Morris Canal			
SAMPLER N/A		N/A		INSPECTOR Eric Gaulin			
SAMPLER HAMMER	WEIGHT N/A	DROP N/A					

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
No spoons collected; Step out boring; Hollow Stem Augers to 20' then switch to mud rotary. At 40.0', mud rotary drilling went very slow, taking over 3 hours to drill to 47.5'. Due to slow drilling, hole was abandoned at 48' - no samples collected.		-											
		-											
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LOG OF SOIL BORING SB-28

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER			
Halladay Street, Jersey City, New Jersey						020667601			
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED		
Advanced Drilling, Inc.			Jeremy Logel		04/11/05		04/11/05		
DRILLING EQUIPMENT					COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)		
Hollow Stem Auger Rig, 4.25" Augers					54'		not encountered		
TYPE BIT N/A			SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 27	UNDIST. N/A	CORE N/A	
CASING N/A			N/A		WATER DEPTH	FIRST 2.5'	COMPL. N/A	24HR N/A	
CASING HAMMER		WEIGHT N/A		DROP N/A	BORING LOCATION				
SAMPLER 2" diameter, 2' long split-spoon					Southern side of Carteret Avenue, Road Shoulder				
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"	INSPECTOR Eric Gaulin				

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-0.5' Asphalt road surface		0		1	2.0	5	0845	0.0	0.0	0845	N/A	N/A	
0.5-0.6' Gravel sub-base		-											
0.6-3.0' FILL: Dark greenish gray (GLEY1 4/1) fine to medium SAND, trace silt, tight		-				2		0.0					
		-				2		0.0					
		-				3		0.0					
		-											
3.0-3.2' FILL: Bright green / yellow sand, suspected Chromate Ore Processing Residue (COPR)		2	1.2	4	0850	0.0	0.0	0850	N/A	N/A			
		-				2		0.0					
		-				3							
		-				10							
4.0-6.0' FILL: Dark gray (5YR4/1) fine to medium SAND, trace silt, wood fragments, gravel, glass fragments		3	2.0	4	0857	0.0	0.0	0857	N/A	N/A			
		-				5		0.0					
		-				5		0.0					
		-				6		0.0					
6.0-7.5' FILL: Dark gray to black fine to medium SAND, with 50% angular gravel (1/4"), loose		4	2.0	11	0900	0.0	0.0	0900	N/A	N/A			
		-				13		0.0					
		-				10		0.0					
		-				12		0.0					
7.5-8.0' FILL: Bright green, fine SILTY SAND, COPR		5	1.0	3	0913	0.0	0.0	0913	N/A	N/A			
		-				2		0.0					
		-				2							
		-				1							
8.0-9.0' FILL: Greyish green (GLEY1 5/2) tight fine SANDY SILT, little coal fragments		5											
		-											
		-											
		-											

LOG OF SOIL BORING SB-28

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER						
Halladay Street, Jersey City, New Jersey						020667601						
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED					
Advanced Drilling, Inc.			Jeremy Logel		04/11/05		04/11/05					
DRILLING EQUIPMENT					COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)					
Hollow Stem Auger Rig, 4.25" Augers					54'		not encountered					
TYPE BIT		N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	27	UNDIST.	N/A	CORE	N/A
CASING		N/A		N/A		WATER DEPTH	FIRST	2.5'	COMPL.	N/A	24HR	N/A
CASING HAMMER		WEIGHT		N/A		DROP		BORING LOCATION				
SAMPLER						2" diameter, 2' long split-spoon						
SAMPLER HAMMER						Southern side of Carteret Avenue, Road Shoulder						
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"				
INSPECTOR						Eric Gaulin						

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS	
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date		
10.0-10.3' FILL: Greyish green (GLE1 5/2) tight fine SANDY SILT, little coal fragments, some fine gravel 10.3-14.0' Bluish black (GLE2 2.5/1) organic SILT and CLAY, with visible peat fibers (PT)		- 10 -		6	1.5	3	0922	0.0	0.0	0922	N/A	N/A	Slight naphthaline like odors, some staining from 10.5-11.25 0930 Sample SB-28(10.5-11.0) for TCL VOC, TCL SVOC, TAL Metals, CN	
		- -				2		0.0						
		- 11 -				3		0.0						
		- -				3								
		- 12 -		7	2.0	4	0928	0.0	0.0	0928	N/A	N/A	No staining or odors noted in this spoon	
		- -				3		0.0						
		- 13 -				1		0.0						
		- -				1		0.0						
	14.0-16.8' Reddish brown (2.5YR4/3) fine SAND, wet, trace silty clay (SM)		- 14 -		8	0.5	1	0936	0.0	0.0	0936	N/A	N/A	
			- -				1							
		- 15 -				1								
		- -				2								
16.8-18.5' Dark yellowish brown (10YR3/4) PEAT, very fibrous and firm		- 16 -		9	2.0	2	0941	0.0	0.0	0941	N/A	N/A	0943 Sample SB-28(16.0-16.5) for TCL VOC, TCL SVOC, TAL Metals, CN	
		- -				2		0.0						
		- 17 -				1		0.0						
		- -				1		0.0						
18.5-23.0' Very dark bluish gray (GLE2 3/1) bands (1" to 1.5") of PEAT and organic CLAY (OH)		- 18 -		10	1.5	2	0947	0.0	0.0	0947	N/A	N/A		
		- -				2		0.0						
		- 19 -				2		0.0						
		- -				2								
		- 20 -												

LOG OF SOIL BORING SB-28

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street, Jersey City, New Jersey					020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Jeremy Logel	04/11/05		04/11/05	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
Hollow Stem Auger Rig, 4.25" Augers			54'		not encountered	
TYPE BIT N/A		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 27	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 2.5'	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	DROP N/A	BORING LOCATION			
SAMPLER 2" diameter, 2' long split-spoon			Southern side of Carteret Avenue, Road Shoulder			
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
18.5-23.0' Very dark bluish gray (GLE Y2 3/1) bands (1" to 1.5") of PEAT and organic CLAY (OH)		- 20 -		11	2.0	2	0951	0.0	0.0	0951	N/A	N/A	
		- -				1		0.0					
		- 21 -				2		0.0					
		- -				7		0.0					
23.0-24.0' Dark gray (GLE Y1 4/N) fine to medium SILTY SAND, tight, 5% fine gravel, rounded (GM)		- 22 -		12	2.0	13	0955	0.0	0.0	0955	N/A	N/A	
		- -				10		0.0					
		- 23 -				8		0.0					
		- -				6		0.0					
24.0-25.5' Very dark gray (GLE Y1 3/N) fine to medium SAND, trace silt (SW)		- 24 -		13	1.5	2	1030	0.0	0.0	1030	N/A	N/A	
		- -				2		0.0					
		- 25 -				1		0.0					
		- -				2							
26.0-30.0' Dark reddish gray (2.5YR4/1) fine to medium SILTY SAND, trace silt (SW)		- 26 -		14	2.0	2	1035	0.0	0.0	1035	N/A	N/A	
		- -				3		0.0					
		- 27 -				2		0.0					
		- -				2		0.0					
		- 28 -		15	2.0	3	1036	0.0	0.0	1036	N/A	N/A	
		- -				2		0.0					
		- 29 -				3		0.0					
		- -				4		0.0					
	- 30 -												

LOG OF SOIL BORING SB-28

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER		
Halladay Street, Jersey City, New Jersey						020667601		
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.			Jeremy Logel		04/11/05		04/11/05	
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)		
Hollow Stem Auger Rig, 4.25" Augers				54'		not encountered		
TYPE BIT N/A			SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 27	UNDIST. N/A	CORE N/A
CASING N/A			N/A		WATER DEPTH	FIRST 2.5'	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION		
SAMPLER 2" diameter, 2' long split-spoon				Southern side of Carteret Avenue, Road Shoulder				
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"		INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	(PPM)					
								Sample	Ambient Air	Time	Head Space	Time Date	
30.0-32.9' Dark reddish gray (2.5YR4/1) fine to medium SAND, with trace silt, <1% fine rounded gravel (SW)		- 30 -		16	2.0	2	1051	0.0	0.0	1051	N/A	N/A	
		- -				3		0.0					
		- 31 -				3		0.0					
		- -				3		0.0					
32.9-33.4' Reddish brown (2.5YR4/4) fine SANDY SILT (SM)		- 32 -		17	1.7	3	1053	0.0	0.0	1053	N/A	N/A	
		- -				4		0.0					
		- 33 -				4		0.0					
		- -				3		0.0					
33.4-33.7' Dark reddish gray (2.5YR3/1) fine SANDY SILT (SM)		- 34 -											
34.0-38.0' Dark reddish brown (2.5YR3/4) fine SILTY SAND (SM)		- -		18	2.0	1	1119	10.4	0.0	1119	N/A	N/A	Oil material (OM) from 34.5 to 38.0, naphthalene like odors; positive dye test at 36'
		- -				1		87.0					
		- 35 -				3		72.0					
		- -				4		118.0					
38.0-42.7' Dark reddish brown (2.5YR3/4) fine SANDY SILT (SM)		- 36 -		19	2.0	3	1138	94.0	0.0	1138	N/A	N/A	1145 Sample SB-28(36.5-37.0) for GC fingerprint, TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
		- -				3		58.0					
		- 37 -				2		284.0					
		- -				1		62.0					
38.0-42.7' Dark reddish brown (2.5YR3/4) fine SANDY SILT (SM)		- 38 -		20	2.0	1	1152	1.0	0.0	1152	N/A	N/A	Sheen and odors noted from 38.0' to 42.7'
		- -				2		1.0					
		- 39 -				2		1.0					
		- -				1		1.0					
		- 40 -											



LOG OF SOIL BORING SB-28

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey						020667601							
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED						
Advanced Drilling, Inc.			Jeremy Logel		04/11/05		04/11/05						
DRILLING EQUIPMENT					COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)						
Hollow Stem Auger Rig, 4.25" Augers					54'		not encountered						
TYPE BIT		N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	27	UNDIST.	N/A	CORE	N/A	
CASING		N/A		N/A		WATER DEPTH	FIRST	2.5'	COMPL.	N/A	24HR	N/A	
CASING HAMMER		WEIGHT		N/A		DROP		N/A					
BORING LOCATION													
SAMPLER						2" diameter, 2' long split-spoon							
Southern side of Carteret Avenue, Road Shoulder													
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"		INSPECTOR			Eric Gaulin

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
38.0-42.7' Dark reddish brown (2.5YR3/4) fine SANDY SILT (SM)		- 40 -		21	2.0	3	1209	14.2	0.0	1209	N/A	N/A	Sheen and odors noted from 38.0' to 42.7'
		- - -				4		14.7					
		- 41 -				4		44.3					
		- - -				5		8.7					
42.7-48.25' Dark reddish brown (2.5YR3/4) fine SANDY SILT with occassional thin (1/2") bands of SILT		- 42 -		22	2.0	3	1211	0.0	0.0	1211	N/A	N/A	1217 Sample SB-28 (43.5-44.0) for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
		- - -				4		1.0					
		- 43 -				6		0.0					
		- - -				7		0.0					
		- 44 -		23	2.0	4	1337	0.0	0.0	1337	N/A	N/A	
		- - -				5		0.0					
		- 45 -				6		0.0					
		- - -				7		0.0					
		- 46 -		24	2.0	6	1342	0.0	0.0	1342	N/A	N/A	
		- - -				8		0.0					
		- 47 -				7		0.0					
		- - -				6		0.0					
48.25-51.8' Dark reddish brown (2.5YR3/4) loose fine SILTY SAND (SM)		- 48 -		25	2.0	5	1410	0.0	0.0	1410	N/A	N/A	Sheen and odors noted at 49.75'
		- - -				7		0.0					
		- 49 -				8		0.0					
		- - -				8		0.0					
		- 50 -											


LOG OF SOIL BORING SB-28

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER								
Halladay Street, Jersey City, New Jersey					020667601								
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED							
Advanced Drilling, Inc.		Jeremy Logel		04/11/05		04/11/05							
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)							
Hollow Stem Auger Rig, 4.25" Augers				54'		not encountered							
TYPE BIT		N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	27	UNDIST.	N/A	CORE	N/A	
CASING		N/A		N/A		WATER DEPTH	FIRST	2.5'	COMPL.	N/A	24HR	N/A	
CASING HAMMER		WEIGHT		N/A		DROP		N/A		BORING LOCATION			
SAMPLER		2" diameter, 2' long split-spoon											
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"		INSPECTOR			Eric Gaulin

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
48.25-51.8' Dark reddish brown (2.5YR3/4) loose fine SILTY SAND (SM)		- 50 -											1456 Sample SB-28 (50.5-51.0) for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
			26	2.0	9	1452	0.0	0.0	1452	N/A	N/A		
			- -			10		0.0					
51.8-52.0' Dark reddish brown (2.5YR3/4) bands of SAND SILTY and SILTY CLAY, wet			- 51 -			12		0.0					
		- -			11		0.0					Running sands jamming rods	
52.0-52.5' Dark reddish brown (2.5YR3/4) bands of SAND SILTY and SILTY CLAY, wet, with layers of fine SILTY SAND (1" thick)		- 52 -		27	0.5	10	1455	0.0	0.0	1455	N/A		N/A
		- -				11							
		- 53 -				12							
		- -				13							
End of Boring at 54'		- 54 -											
		- -											
		- 55 -											
		- -											
		- 56 -											
		- -											
		- 57 -											
		- -											
		- 58 -											
		- -											
		- 59 -											
		- -											
		- 60 -											

LOG OF SOIL BORING SB-29

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER														
Halladay Street, Jersey City, New Jersey					020667601														
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED													
Advanced Drilling, Inc.		Jeremy Logel		04/12/05		04/13/05													
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)													
Hollow Stem Auger Rig, 4.25" Augers to 34' ; mud rotary with 3 7/8" Roller Bid to 84'				84'		not encountered													
TYPE BIT		N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES		DIST.		25		UNDIST.		N/A		CORE		N/A	
CASING		4" steel casing to 34'		N/A		WATER DEPTH		FIRST		3'		COMPL.		N/A		24HR		N/A	
CASING HAMMER		WEIGHT 140 lbs.		DROP 30"		BORING LOCATION													
SAMPLER 2" diameter, 2' long split-spoon						Southern side of Carteret Avenue, Road Shoulder													
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"		INSPECTOR Eric Gaulin													

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-0.3' Asphalt road surface		0		1	1.7	3	0931	0.0	0.0	0931	N/A	N/A	
0.3-0.7' FILL: Dark brown fine to medium SAND, clinker, glass fragments		-				4		0.0					
0.7-1.7' FILL: Bright greenish gray fine SANDY SILT, Chromate Ore Processing Residue (COPR)		- 1 -				4		0.0					
		-				3		0.0					
2.0-4.25' FILL: Gray fine to medium SAND, silt, clinker, ash, brick pieces		- 2 -		2	1.5	5	0937	0.0	0.0	0937	N/A	N/A	
		-				8		0.0					
		- 3 -				9		0.0					
		-				11							
		- 4 -		3	1.25	5	0946	0.0	0.0	0946	N/A	N/A	
		-				5		0.0					
		- 5 -				7		0.0					
		-				4							
6.0-7.25' FILL: black fine to medium SAND, silt, wood fragments		- 6 -		4	1.5	6	0947	0.0	0.0	0947	N/A	N/A	Sweet, organic odors from 6.0' to 6.5'
		-				7		0.0					
		- 7 -				5		0.0					
		-				5							
8.0-9.75' FILL: black fine to medium SAND, silt, wood fragments, clam shell fragment		- 8 -		5	2.0	10	0951	0.0	0.0	0951	N/A	N/A	No odors this spoon
		-				9		0.0					
		- 9 -				8		0.0					
		-				8		0.0					
9.75-10.0' Weak red (2.5YR4/2) medium dense fine SILTY SAND (SM)		- 10 -											

LOG OF SOIL BORING SB-29

PROJECT LOCATION Halladay Street, Jersey City, New Jersey			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Jeremy Logel		DATE STARTED 04/12/05		DATE COMPLETED 04/13/05
DRILLING EQUIPMENT Hollow Stem Auger Rig, 4.25" Augers to 34' ; mud rotary with 3 7/8" Roller Bid to 84'			COMPLETION DEPTH (FT BGS) 84'		ROCK DEPTH (FT) not encountered	
TYPE BIT	N/A	SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 25	UNDIST. N/A
CASING	4" steel casing to 34'	N/A		WATER DEPTH	FIRST 3'	COMPL. N/A
CASING HAMMER	WEIGHT 140 lbs.	DROP 30"		BORING LOCATION		
SAMPLER	2" diameter, 2' long split-spoon			Southern side of Carteret Avenue, Road Shoulder		
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"		INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS	
				Number	Recov. (ft)	Penetr. BL/6in	Time	(PPM)						
								Sample	Ambient Air	Time	Head Space	Time Date		
10.0-14.0' Weak red (2.5YR5/2) firm fine SILTY SAND (SM) with occassional large (1") gravel, rounded, some roots, occassional thin band (1/2") band of silty clay		- 10 -		6	0.5	4	1001	0.0	0.0	1001	N/A	N/A	Sweet, solvent odors	
		- -				4								
		- 11 -				6								
		- -				5								
		- 12 -		7	2.0	5	1003	0.0	0.0	1003	N/A	N/A		1054 No water in hydropunch (10 to 14). Sample with bailer SB-29-W(10) for TCL VOC, TCL SVOC, TAL Metals, level of water observed in augers
		- -				5		0.0						
		- 13 -				4		0.0						
		- -				4		0.0						
		- 14 -												
	15.0-15.3' Gravel 1" to 2" in diameter, subangular to subrounded		- 15 -		8	1.7	6	1153	0.0	0.0	000	N/A		N/A
		- -				7		0.0						
15.3-15.5' Very dark gray (10YR3/1) fine SILTY SAND (SM)		- 16 -				9		0.0						
		- -				10		0.0						
15.5-17.2' Dark brown (10YR3/3) PEAT, very fibrous and firm		- 17 -		9	0.5	10	1157	0.0	0.0	1157	N/A	N/A		
	- -				12									
17.2-17.5' Dark reddish gray (2.5YR4/1) organic CLAY, with a single piece of gravel (coarse grained metamorphic, peppery colored)	- 18 -				11									
	- -				10									
	- 19 -													
	- 20 -													

LOG OF SOIL BORING SB-29

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER						
Halladay Street, Jersey City, New Jersey					020667601						
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED						
Advanced Drilling, Inc.		Jeremy Logel	04/12/05		04/13/05						
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)						
Hollow Stem Auger Rig, 4.25" Augers to 34' ; mud rotary with 3 7/8" Roller Bid to 84'			84'		not encountered						
TYPE BIT		N/A	SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	25	UNDIST.	N/A	CORE	N/A
CASING		4" steel casing to 34'	N/A	WATER DEPTH	FIRST	3'	COMPL.	N/A	24HR	N/A	
CASING HAMMER		WEIGHT 140 lbs.	DROP 30"	BORING LOCATION							
SAMPLER 2" diameter, 2' long split-spoon				Southern side of Carteret Avenue, Road Shoulder							
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin							

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	(PPM)					
								Sample	Ambient Air	Time	Head Space	Time Date	
20.0-20.1' Dark reddish gray (5YR4/2) fine SILTY SAND (SM)		- 20 -		10	0.3	11	1301	0.0	0.0	1301	N/A	N/A	
20.1-22.2' Dark reddish gray (5YR4/2) angular to subangular fine gravel (1/8" to 1"), sand, silt		- -				12							
		- 21 -				11							
		- -				11							
22.2-22.8' Dark bluish gray (GLE Y2 4/1) fine SANDY SILT and SILT, firm		- 22 -		11	1.7	3	1308	0.0	0.0	1308	N/A	N/A	
22.8-23.5' Dark bluish gray (GLE Y2 4/1) fine to medium SAND, trace silt, trace fine gravel		- -				3		0.0					
		- 23 -				5		0.0					
23.5-24.1' Dark bluish gray (GLE Y2 4/1) fine to medium SAND, trace gravel		- -				5		0.0					
24.1-24.7' Dark reddish gray (2.5YR4/1) coarse to fine very loose SAND, banding of coarse sand (SW)		- 24 -		12	1.2	7	1331	0.0	0.0	1331	N/A	N/A	
24.7-24.9' Dark reddish gray (2.5YR4/1) fine grained sedimentary rock gravel fragment		- -				7		0.0					
		- 25 -				8		0.0					
24.9-25.0' Reddish brown (2.5YR4/4) fine to medium SAND (SW)		- -				11							
25.0-27.0' Reddish brown (2.5YR4/4) fine SILTY SAND (SM)		- 26 -		13	1.3	9	1341	0.0	0.0	1341	N/A	N/A	
27.0-27.3' Reddish brown (2.5YR4/4) fine SAND, firm (SP)		- -				5		0.0					
		- 27 -				3		0.0					
28.0-28.7' Reddish brown (2.5YR4/4) coarse to fine SAND and gravel (GP)		- -				4							
		- 28 -		14	1.6	4	1349	0.0	0.0	1349	N/A	N/A	
28.3-30.2' Reddish brown (2.5YR4/4) fine SAND (SP)		- -				5		0.0					
		- 29 -				6		0.0					
		- -				5							
		- 30 -											

LOG OF SOIL BORING SB-29

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey					020667601							
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED							
Advanced Drilling, Inc.		Jeremy Logel	04/12/05		04/13/05							
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)							
Hollow Stem Auger Rig, 4.25" Augers to 34' ; mud rotary with 3 7/8" Roller Bid to 84'			84'		not encountered							
TYPE BIT		N/A	SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	25	UNDIST.	N/A	CORE	N/A	
CASING		4" steel casing to 34'	N/A	WATER DEPTH	FIRST	3'	COMPL.	N/A	24HR	N/A		
CASING HAMMER		WEIGHT	140 lbs.	DROP	30"	BORING LOCATION						
SAMPLER		2" diameter, 2' long split-spoon		Southern side of Carteret Avenue, Road Shoulder								
SAMPLER HAMMER		WEIGHT	140 lbs.	DROP	30"	INSPECTOR						Eric Gaulin

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
28.3-30.2' Reddish brown (2.5YR4/4) fine SAND (SP)		- 30 -		15	1.2	4	1412	0.0	0.0	1412	N/A	N/A	
30.2-31.2' Reddish brown (2.5YR4/4) coarse to fine SAND and 1/4" angular to subrounded gravel (GP)		- -				4		0.0					
		- 31 -				4		0.0					
		- -				4							
		- -				4							
32.0-31.1' Reddish brown (2.5YR4/4) fine SAND (SP) and black angular rock fragments		- 32 -		16	0.1	5	1415	0.0	0.0	1415	N/A	N/A	Remnants of rock couldn't be moved by augers. Drove casing to 34' and switched to mud rotary
	- -					7							
	- 33 -					7							
	- -					7							
34.0-34.5' Reddish brown (2.5YR4/4) coarse to fine SAND and 1/4" angular to subrounded gravel (GP)		- 34 -		17	0.7	8	1510	0.0	0.0	1510	N/A	N/A	
34.5-37.0' Reddish brown (2.5YR4/4) fine grained siltstone fragments (GW)		- -				9							
		- 35 -				9							
		- -				10							
37.0-40.2' Reddish brown (2.5YR4/4) fine SILTY SAND (SM)		- 36 -		18	1.5	6	1511	0.0	0.0	1511	N/A	N/A	1515 Sample SB-29 (36.5-37.0) for total and amenable CN, TCL VOC, TCL SVOC, TAL Metals
		- -				7		0.0					
		- 37 -				8		0.0					
		- -				9							
		- 38 -		19	1.75	8	1515	0.0	0.0	1515	N/A	N/A	
		- -				9		0.0					
	- 39 -					9		0.0					
		- -				11		0.0					
		- 40 -											

LOG OF SOIL BORING SB-29

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)			PROJECT NUMBER						
Halladay Street, Jersey City, New Jersey						020667601						
DRILLING CONTRACTOR		FOREMAN		DATE STARTED			DATE COMPLETED					
Advanced Drilling, Inc.		Jeremy Logel		04/12/05			04/13/05					
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)			ROCK DEPTH (FT)					
Hollow Stem Auger Rig, 4.25" Augers to 34' ; mud rotary with 3 7/8" Roller Bid to 84'				84'			not encountered					
TYPE BIT		N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	25	UNDIST.	N/A	CORE	N/A
CASING		4" steel casing to 34'		N/A		WATER DEPTH	FIRST	3'	COMPL.	N/A	24HR	N/A
CASING HAMMER		WEIGHT 140 lbs.		DROP 30"		BORING LOCATION						
SAMPLER				2" diameter, 2' long split-spoon		Southern side of Carteret Avenue, Road Shoulder						
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"		INSPECTOR Eric Gaulin						

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS	
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date		
37.0-40.2' Reddish brown (2.5YR4/4) fine SILTY SAND (SM)		- 40 -		20	0.6	11	1539	0.0	0.0	1539	N/A	N/A		
40.2-40.5' Coarse SAND and fine GRAVEL (GP)		- -				12								
40.5-42.2' Reddish brown (2.5YR4/4) fine SANDY SILT (SM)		- 41 -				12								
		- -				13								
42.2-42.3' Reddish brown (2.5YR4/4) fine SILTY SAND (SM)		- 42 -		21	0.7	4	1540	0.0	0.0	1540	N/A	N/A		
42.3-42.5' Reddish brown (2.5YR4/4) fine SANDY SILT (SM)		- -				4		0.0						
42.5-46.3' Reddish brown (2.5YR4/4) fine SILTY SAND (SM)		- 43 -				5								
		- -				4								
		- 44 -		22	1.25	5	1601	0.0	0.0	1601	N/A	N/A	Slight naphthalene like odors from 44' to 45.25'; no sheen, no staining; odors limited to this interval	
		- -				6		0.0						
		- 45 -				6		0.0						
		- -				5								
46.3-46.8' Reddish brown (2.5YR4/4) fine SANDY SILT (SM)		- 46 -		23	2.0	4	1605	0.0	0.0	1605	N/A	N/A	No odors	
		- -				4		0.0						
46.8-49.8' Reddish brown (2.5YR4/4) fine SILTY SAND (SM)		- 47 -				4		0.0						
		- -				3		0.0						
		- 48 -		24	2.0	3	1615	0.0	0.0	1615	N/A	N/A	Ended here on 4/12/05	
		- -				3		0.0						
49.8-50.0' Reddish brown (2.5YR4/4) fine SANDY SILT (SM)		- -				3		0.0						
		- 50 -				3		0.0						

LOG OF SOIL BORING SB-29

PROJECT LOCATION Halladay Street, Jersey City, New Jersey			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Jeremy Logel		DATE STARTED 04/12/05		DATE COMPLETED 04/13/05
DRILLING EQUIPMENT Hollow Stem Auger Rig, 4.25" Augers to 34' ; mud rotary with 3 7/8" Roller Bid to 84'			COMPLETION DEPTH (FT BGS) 84'		ROCK DEPTH (FT) not encountered	
TYPE BIT	N/A	SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 25	UNDIST. N/A
CASING	4" steel casing to 34'	N/A		WATER DEPTH	FIRST 3'	COMPL. N/A
CASING HAMMER	WEIGHT 140 lbs.	DROP 30"		BORING LOCATION		
SAMPLER	2" diameter, 2' long split-spoon			Southern side of Carteret Avenue, Road Shoulder		
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"		INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
50.0-54.0' No Sample Collected - Hydropunch Driven		- 50 -											Started here on 4/13/05 0931 Sample SB-29- W(50-54) collected for TCL VOC, TCL SVOC, TAL Metals; sample turbid, no odors or sheen
		- - -											
		- 51 -											
		- - -											
		- 52 -											
		- - -											
		- 53 -											
		- - -											
		- 54 -											
		- - -											
54.0-57.6' Reddish brown (2.5YR4/4) fine SANDY SILT (SM), firm		- 54 -		25	1.5	12	1008	0.0	0.0	1008	N/A	N/A	1021 Sample SB-29(56.5- 57.0) for TCL VOC, TCL SVOC, TAL Metals, CN
		- - -				10		0.0					
		- 55 -				8		0.0					
		- - -				10							
		- 56 -		26	2.0	10	1011	0.0	0.0	1011	N/A	N/A	
		- - -				10		0.0					
		- 57 -				8		0.0					
		- - -				6		0.0					
		- 58 -		27	2.0	5	1032	0.0	0.0	1032	N/A	N/A	
		- - -				6		0.0					
57.6-61.75' Reddish brown (5YR5/3) thinly interlaminated CLAY and SILTY CLAY		- 59 -				7		0.0					
		- - -				8		0.0					
		- 60 -											
		- - -											
		- 60 -											
		- - -											

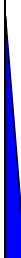
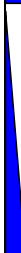


LOG OF SOIL BORING SB-29

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER						
Halladay Street, Jersey City, New Jersey					020667601						
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED						
Advanced Drilling, Inc.		Jeremy Logel	04/12/05		04/13/05						
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)						
Hollow Stem Auger Rig, 4.25" Augers to 34' ; mud rotary with 3 7/8" Roller Bid to 84'			84'		not encountered						
TYPE BIT		N/A	SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	25	UNDIST.	N/A	CORE	N/A
CASING		4" steel casing to 34'	N/A		WATER DEPTH	FIRST	3'	COMPL.	N/A	24HR	N/A
CASING HAMMER	WEIGHT	140 lbs.	DROP	30"	BORING LOCATION						
SAMPLER					2" diameter, 2' long split-spoon						
					Southern side of Carteret Avenue, Road Shoulder						
SAMPLER HAMMER	WEIGHT	140 lbs.	DROP	30"	INSPECTOR						
					Eric Gaulin						

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
57.6-61.75' Reddish brown (5YR5/3) thinly interlaminated CLAY and SILTY CLAY 													

LOG OF SOIL BORING SB-29

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER								
Halladay Street, Jersey City, New Jersey						020667601								
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED							
Advanced Drilling, Inc.			Jeremy Logel		04/12/05		04/13/05							
DRILLING EQUIPMENT					COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)							
Hollow Stem Auger Rig, 4.25" Augers to 34' ; mud rotary with 3 7/8" Roller Bid to 84'					84'		not encountered							
TYPE BIT			N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	25	UNDIST.	N/A	CORE	N/A	
CASING			4" steel casing to 34'		N/A		WATER DEPTH	FIRST	3'	COMPL.	N/A	24HR	N/A	
CASING HAMMER			WEIGHT		140 lbs.		DROP		30"		BORING LOCATION			
SAMPLER			2" diameter, 2' long split-spoon				Southern side of Carteret Avenue, Road Shoulder							
SAMPLER HAMMER			WEIGHT		140 lbs.		DROP		30"		INSPECTOR			Eric Gaulin

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	(PPM)					
								Sample	Ambient Air	Time	Head Space	Time	
												Date	
70.0-71.5' Dark reddish brown (5YR5/3) thinly interlaminated CLAY and SILTY CLAY, tight		- 70 -											
			29	2.0	8	1107	0.0	0.0	1107	N/A	N/A		
					7		0.0						
71.5-72.0' Reddish brown (5YR5/3) very soft CLAY and SILTY CLAY, with 10% angular 1/4" gravel			- 71 -			6		0.0					
				5		0.0							
72.0-74.0' Dark reddish brown (2.5YR3/4) thinly interlaminated CLAY and SILTY CLAY, tight (CL)		- 72 -											
				30	2.0	5	1111	0.0	0.0	1111	N/A	N/A	
						8		0.0					
			- 73 -			7		0.0					
				3		0.0							
74.0-78.0' No Sample Collected		- 74 -											
			- 75 -										
		- 76 -											
												Drillers noted change to coarse till at 77.5' based on screening mud	
		- 77 -											
78.0-82.0' Hydropunch driven		- 78 -											
			- 79 -										
		- 80 -											

LOG OF SOIL BORING SB-29

PROJECT LOCATION Halladay Street, Jersey City, New Jersey			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Jeremy Logel	DATE STARTED 04/12/05		DATE COMPLETED 04/13/05	
DRILLING EQUIPMENT Hollow Stem Auger Rig, 4.25" Augers to 34' ; mud rotary with 3 7/8" Roller Bid to 84'			COMPLETION DEPTH (FT BGS) 84'		ROCK DEPTH (FT) not encountered	
TYPE BIT N/A		SIZE AND TYPE CORE BARREL N/A	NO. SAMPLES 25	DIST. 25	UNDIST. N/A	CORE N/A
CASING 4" steel casing to 34'			WATER DEPTH 3'	FIRST 3'	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT 140 lbs.	DROP 30"	BORING LOCATION Southern side of Carteret Avenue, Road Shoulder			
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
78.0-82.0' Hydropunch driven		- 80 -											
		- -											
		- 81 -											
		- -											
82.0-84.0 No Sample Collected		- 82 -											1242 Sample SB-29-W (78-82) for TCL VOC only due to lack of sample
		- -											
		- 83 -											
		- -											
End of boring at 84.0'		- 84 -											
		- -											
		- 85 -											
		- -											
		- 86 -											
		- -											
		- 87 -											
		- -											
		- 88 -											
		- -											
		- 89 -											
		- -											
		- 90 -											

LOG OF SOIL BORING SB-30

PROJECT LOCATION Halladay Street, Jersey City, New Jersey			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Jeremy Logel	DATE STARTED 04/26/05		DATE COMPLETED 04/27/05	
DRILLING EQUIPMENT Hollow Stem Auger Rig, 4.25" Augers to 44'; mud rotary with 3 7/8" roller bit to 78'			COMPLETION DEPTH (FT BGS) 78'		ROCK DEPTH (FT) not encountered	
TYPE BIT N/A		SIZE AND TYPE CORE BARREL N/A	NO. SAMPLES	DIST. 29	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 7.5	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	DROP N/A	BORING LOCATION			
SAMPLER 2" diameter, 2' long split-spoon			East of Halstead Building, Alleyway (Former Railroad ROW)			
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-1.3' FILL: black brown fine to medium SAND, trace SILT concrete fragments, wood, clinker, roots		0		1	1.3	7	0947	0.0	0.0	0947	N/A	N/A	Boring advanced through gravel
		-			21		0.0						
		- 1			8		0.0						
		-			9								
2.0-4.0' No recovery		2		2	0.0	8	0948	N/A	N/A	0948	N/A	N/A	
		-				9							
		- 3				9							
		-				10							
4.0-4.5' FILL: Brown fine to medium SAND, some silt, trace gravel		4		3	0.5	6	0952	0.0	0.0	0952	N/A	N/A	
		-				5							
		- 5				4							
		-				3							
6.0-8.0' No recovery		6		4	0.0	3	0954	N/A	N/A	0954	N/A	N/A	
		-				3							
		- 7				2							
		-				3							
8.0-8.5' FILL: Dark brown to black fine to medium SAND, some silt, trace gravel, pieces of glass and ceramic		8		5	0.5	7	0956	N/A	N/A	0956	N/A	N/A	
		-				3							
		- 9				2							
		-				2							
		10											

LOG OF SOIL BORING SB-30

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER			
Halladay Street, Jersey City, New Jersey						020667601			
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED		
Advanced Drilling, Inc.			Jeremy Logel		04/26/05		04/27/05		
DRILLING EQUIPMENT					COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)		
Hollow Stem Auger Rig, 4.25" Augers to 44'; mud rotary with 3 7/8" roller bit to 78'					78'		not encountered		
TYPE BIT N/A			SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 29	UNDIST. N/A	CORE N/A	
CASING N/A			N/A		WATER DEPTH	FIRST 7.5	COMPL. N/A	24HR N/A	
CASING HAMMER		WEIGHT N/A		DROP N/A	BORING LOCATION				
SAMPLER 2" diameter, 2' long split-spoon					East of Halstead Building, Alleyway (Former Railroad ROW)				
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"	INSPECTOR Eric Gaulin				

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
10.0-14.0' Hydropunch driven		10										1036 Sample SB-30-W (10-14) for TCL VOC, TCL SVOC, TAL Metals	
		-											
		-											
		-											
14.0-17.0' Brown fibrous PEAT (PT)		12											
		-											
		-											
		-											
		-											
		-											
		-											
		-											
		-											
		-											
		-											
		-											
18.0-18.25' Grey (2.5Y4/1) fine SAND, some SILT (SP)		14		6	1.0	1	1050	0.0	0.0	1050	N/A	N/A	
		-											
		-											
		-											
		-											
		-											
		-											
		-											
		-											
		-											
		-											
		-											
18.25-18.75' Grey (GLE Y 5/5 6Y) fine SAND, SANDY SILT (SM)		15				2		0.0					1102 Sample SB-30 (18.0-18.5) for TCL VOC, TCL SVOC, TAL Metals, total and amendable CN
		-											
		-											
		-											
18.75-19.0' Grey (2.5Y4/1) fine SAND, some SILT (SP)		16		7	1.0	2	1052	0.0	0.0	1052	N/A	N/A	
		-											
		-											
		-											
		17				2		0.0					
		-											
		-											
		-											
		18		8	1.0	2	1100	0.0	0.0	1100	N/A	N/A	
		-											
		-											
		-											
		19				3		0.0					
		-											
		-											
		-											
		20				4							
		-											
		-											
		-											
		20				6							
		-											
		-											
		-											

LOG OF SOIL BORING SB-30

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street, Jersey City, New Jersey					020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Jeremy Logel	04/26/05		04/27/05	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
Hollow Stem Auger Rig, 4.25" Augers to 44'; mud rotary with 3 7/8" roller bit to 78'			78'		not encountered	
TYPE BIT N/A		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 29	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 7.5	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	DROP N/A	BORING LOCATION			
SAMPLER 2" diameter, 2' long split-spoon			East of Halstead Building, Alleyway (Former Railroad ROW)			
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
20.0-22.75' Grey (2.5Y4/1) fine to medium SAND, trace SILT (SW)		20		9	2.0	7	1105	0.0	0.0	1105	N/A	N/A	21.0-22.0' faint naphthalene odors, no staining or sheen
		-			8		0.0						
		21			6		0.0						
		-			7		0.0						
22.75-23.25' Grey (2.5Y4/1) fine to medium SAND, some SILT (SW)		22		10	2.0	5	1108	0.0			N/A	N/A	Faint naphthalene odors, no staining or sheen up to 23.5'
		-			6		0.0						
		23			8		0.0						
		-			7		0.0						
23.25-23.5' Grey (2.5Y4/1) SANDY SILT (SM)													
23.5-24.0' Reddish brown (5YR4/4) SILTY SAND (SM)													
24.0-27.9' Reddish brown (5YR4/4) SILTY SAND (SM) with 5% sub-rounded gravel		24		11	1.5	7	1121	0.0			N/A	N/A	Faint naphthalene odors, no staining or sheen
		-			6		0.0						
		25			6		0.0						
		-			5								
		26		12	1.9	5	1132	0.0			N/A	N/A	Faint naphthalene odors, no staining or sheen
		-			8		0.0						
		27			9		0.0						
		-			10		0.0						
28.0-32.0' Hydropunch driven		28				7							1310 Sample SB-30-W (28-32) for TCL VOC and TCL SVOC only, due to lack of sample
		-			6								
		29			5								
		-			5								
		30											

LOG OF SOIL BORING SB-30

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)			PROJECT NUMBER						
Halladay Street, Jersey City, New Jersey							020667601						
DRILLING CONTRACTOR			FOREMAN		DATE STARTED			DATE COMPLETED					
Advanced Drilling, Inc.			Jeremy Logel		04/26/05			04/27/05					
DRILLING EQUIPMENT					COMPLETION DEPTH (FT BGS)			ROCK DEPTH (FT)					
Hollow Stem Auger Rig, 4.25" Augers to 44'; mud rotary with 3 7/8" roller bit to 78'					78'			not encountered					
TYPE BIT			N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	29	UNDIST.	N/A	CORE	N/A
CASING			N/A		N/A		WATER DEPTH	FIRST	7.5	COMPL.	N/A	24HR	N/A
CASING HAMMER		WEIGHT		N/A		DROP		N/A		BORING LOCATION			
SAMPLER						2" diameter, 2' long split-spoon		East of Halstead Building, Alleyway (Former Railroad ROW)					
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"		INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
28.0-32.0' Hydropunch driven		- 30 -			4								
		- - -			6								
		- 31 -			5								
		- - -			4								
32.0-35.3' Reddish brown (5YR4/4) SILTY SAND (SM) with 5% sub-rounded gravel		- 32 -		13	1.8	3	1324	0.0	0.0	1324	N/A	N/A	Strong naphthalene odors, no staining or sheen
		- - -			4			2.2					
		- 33 -			3			2.3					
		- - -			3			0.0					
35.3-47.0' Reddish brown (5YR4/4) silty FINE SAND (SM)		- 34 -		14	1.5	3	1334	0.0	0.0	1334	N/A	N/A	Strong odors
		- - -			4			0.0					
		- 35 -			3			0.0					
		- - -			5								
		- 36 -		15	0.2	5	1337	0.0	0.0	1337	N/A	N/A	Less odors
		- - -			7								
		- 37 -			6								
		- - -			8								
		- 38 -		16	1.75	6	1356	0.0	0.0	1356	N/A	N/A	Slight but noticeable naphthalene-like odors
		- - -			7			0.0					
		- 39 -			9			0.0					
		- - -			10			0.0					
		- 40 -											

LOG OF SOIL BORING SB-30

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey					020667601							
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED						
Advanced Drilling, Inc.		Jeremy Logel		04/26/05		04/27/05						
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)							
Hollow Stem Auger Rig, 4.25" Augers to 44'; mud rotary with 3 7/8" roller bit to 78'			78'		not encountered							
TYPE BIT		N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	29	UNDIST.	N/A	CORE	N/A
CASING		N/A		N/A		WATER DEPTH	FIRST	7.5	COMPL.	N/A	24HR	N/A
CASING HAMMER		WEIGHT		N/A		DROP		N/A				
BORING LOCATION												
SAMPLER		2" diameter, 2' long split-spoon										
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"				
INSPECTOR		Eric Gaulin										

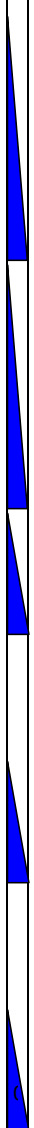
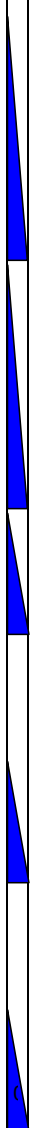
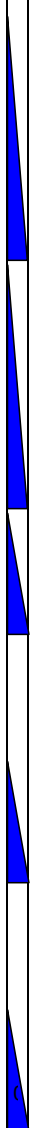
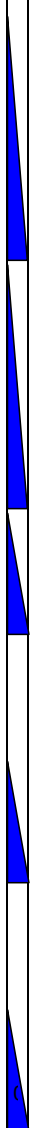
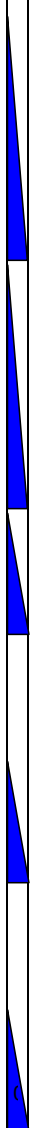
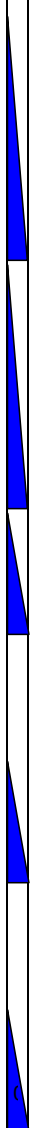
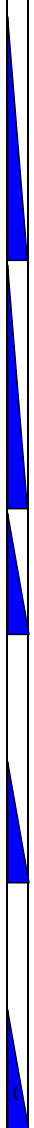
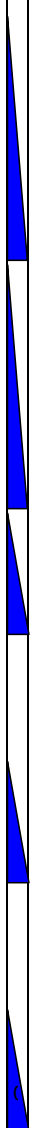
DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
35.3-47.0' Reddish brown (5YR4/4) silty FINE SAND (SM)		- 40 -		17	2.0	6	1404	0.0	0.0	1404	N/A	N/A	No odors
		- -			7		0.0						
		- 41 -			8		0.0						
		- -			9		0.0						
		- 42 -		18	0.5	7	1410	0.0	0.0	1410	N/A	N/A	
		- -			7								
		- 43 -			7								
		- -			8								
		- 44 -		19	1.0	12	1534	0.0	0.0	1534	N/A	N/A	
		- -			13		0.0						
47.0-47.25' Reddish brown (5YR4/4) 1/8" bands of SILTY CLAY (CL)		- 45 -				14							Switched to mud-rotary
		- -			16								
		- 46 -		20	1.25	15	1539	0.0	0.0	1539	N/A	N/A	
		- -			17		0.0						
48.0-63.75' Reddish brown (5YR4/4) thinly interlaminated CLAY and SILTY CLAY (CL)		- 47 -				16		0.0					1545 Sample SB-30(46.75-47.25) for TCL VOC, TCL SVOC, TAL Metals, CN
		- -			18								
		- 48 -		21	1.5	11	1542	0.0	0.0	1542	N/A	N/A	
		- -			12		0.0						
		- 49 -			13		0.0						
		- -			15								
		- 50 -											

LOG OF SOIL BORING SB-30

PROJECT LOCATION Halladay Street, Jersey City, New Jersey			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Jeremy Logel	DATE STARTED 04/26/05		DATE COMPLETED 04/27/05	
DRILLING EQUIPMENT Hollow Stem Auger Rig, 4.25" Augers to 44'; mud rotary with 3 7/8" roller bit to 78'			COMPLETION DEPTH (FT BGS) 78'		ROCK DEPTH (FT) not encountered	
TYPE BIT N/A		SIZE AND TYPE CORE BARREL N/A	NO. SAMPLES 29	DIST. 29	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH FIRST 7.5	COMPL. N/A	24HR N/A	N/A
CASING HAMMER	WEIGHT N/A	DROP N/A	BORING LOCATION East of Halstead Building, Alleyway (Former Railroad ROW)			
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	(PPM)					
								Sample	Ambient Air	Time	Head Space	Time Date	
48.0-63.75' Reddish brown (5YR4/4) thinly interlaminated CLAY and SILTY CLAY (CL)		- 50 -											
			22	2.0	12	1610	0.0	0.0	1610	N/A	N/A		
		- -			14		0.0						
		- 51 -			15		0.0						
		- -			15		0.0						
		- 52 -											
			23	1.75	16	1618	0.0	0.0	1618	N/A	N/A		
		- -			17		0.0						
		- 53 -			15		0.0						
		- -			16		0.0						
54.0-58.0' No sample collected		- 54 -											
		- -											
		- 55 -											
		- -											
		- 56 -											
		- -											
		- 57 -											
		- -											
		- 58 -											
			24	2.0	12	1648	0.0	0.0	1648	N/A	N/A		
	- -			13		0.0							
	- 59 -			15		0.0							
	- -			16		0.0							
	- 60 -												

LOG OF SOIL BORING SB-30

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)				PROJECT NUMBER								
Halladay Street, Jersey City, New Jersey								020667601								
DRILLING CONTRACTOR			FOREMAN		DATE STARTED			DATE COMPLETED								
Advanced Drilling, Inc.			Jeremy Logel		04/26/05			04/27/05								
DRILLING EQUIPMENT					COMPLETION DEPTH (FT BGS)			ROCK DEPTH (FT)								
Hollow Stem Auger Rig, 4.25" Augers to 44'; mud rotary with 3 7/8" roller bit to 78'					78'			not encountered								
TYPE BIT N/A			SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	29	UNDIST.	N/A	CORE	N/A					
CASING N/A			N/A		WATER DEPTH	FIRST	7.5	COMPL.	N/A	24HR	N/A					
CASING HAMMER		WEIGHT	N/A	DROP	N/A	BORING LOCATION										
SAMPLER 2" diameter, 2' long split-spoon						East of Halstead Building, Alleyway (Former Railroad ROW)										
SAMPLER HAMMER		WEIGHT	140 lbs.	DROP	30"	INSPECTOR Eric Gaulin										
DESCRIPTION				Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS
							Number	Recov. (ft)	Penetr. BL/6in	Time	(PPM)					
											Sample	Ambient Air	Time	Head Space	Time Date	
48.0-63.75' Reddish brown (5YR4/4) thinly interlaminated CLAY and SILTY CLAY (CL)					- 60 -											
						25	2.0	19	1648	0.0	0.0	1648	N/A	N/A		
63.75-64.0' Reddish brown (5YR4/4) SILT and SANDY SILT (SM)					- 62 -											
						26	2.0	19	1700	0.0	0.0	1700	N/A	N/A	1704 Sample SB-30 (62.0 62.5) for TCL VOC, TCL SVOC, TAL Metals, Total and amenable CN	
64.0-66.75' TILL: Reddish brown (5YR4/4) SILT, SAND, SILTY CLAY, gravel, well compacted (GC)					- 64 -											
						27	1.0	21	0844	0.0	0.0	0844	N/A	N/A	Start on 4/27/05	
66.75-69.0' TILL: Reddish brown (5YR4/4) SILTY SAND, fine gravel well compacted (GC)					- 66 -											
						28	1.0	24	0854	0.0	0.0	0854	N/A	N/A		
					- 67 -											
					- 68 -											
						29	1.0	28	0905	0.0	0.0	0905	N/A	N/A		
					- 69 -											
					- 70 -											

LOG OF SOIL BORING SB-30

PROJECT LOCATION Halladay Street, Jersey City, New Jersey			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Jeremy Logel	DATE STARTED 04/26/05		DATE COMPLETED 04/27/05	
DRILLING EQUIPMENT Hollow Stem Auger Rig, 4.25" Augers to 44'; mud rotary with 3 7/8" roller bit to 78'			COMPLETION DEPTH (FT BGS) 78'		ROCK DEPTH (FT) not encountered	
TYPE BIT N/A		SIZE AND TYPE CORE BARREL N/A	NO. SAMPLES 29	DIST. 29	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH FIRST 7.5	COMPL. N/A	24HR N/A	N/A
CASING HAMMER	WEIGHT N/A	DROP N/A	BORING LOCATION East of Halstead Building, Alleyway (Former Railroad ROW)			
SAMPLER 2" diameter, 2' long split-spoon			INSPECTOR Eric Gaulin			
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"				

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time	
												Date	
70.0-78.0' No Sample Collected		- 70 -											
		- - -											
		- 71 -											
		- - -											
		- 72 -											
		- - -											
		- 73 -											
		- - -											
		- 74 -											
		- - -											
		- 75 -											
		- - -											
		- 76 -											
		- - -											
		- 77 -											Bedrock encountered at 77' based on drilling rate, screening of mud; black argillite fragments; drilled to 78'
		- - -											
		- 78 -											
		- - -											
		- 79 -											
		- - -											
		- 80 -											
End of boring at 78'													

LOG OF SOIL BORING SB-31

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER				
Halladay Street, Jersey City, New Jersey					020667601				
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED				
Advanced Drilling, Inc.		Jeremy Logel	04/08/05		04/08/05				
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)				
Hollow Stem Auger Rig, 4.25" Augers			44'		not encountered				
TYPE BIT	N/A	SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST.	20	UNDIST.	N/A	CORE	N/A
CASING	N/A	N/A	WATER DEPTH	FIRST	10'	COMPL.	N/A	24HR	N/A
CASING HAMMER	WEIGHT	N/A	DROP	N/A	BORING LOCATION				
SAMPLER					2" diameter, 2' long split-spoon				
					North of Halstead Building, Parking Area				
SAMPLER HAMMER	WEIGHT	140 lbs.	DROP	30"	INSPECTOR Eric Gaulin				

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-4.0' Cleared via hand dig; soil was brown silty sand, trace silt, gravel		- 0 -											Boring through grassy area
		- -											
		- 1 -											
		- -											
4.0-5.0' FILL: soil, wood fragments, clinker		- 2 -											
		- -											
		- 3 -											
		- -											
6.0-8.5' FILL: soil, wood fragments, clinker, coal fragments, black staining, glass pieces		- 4 -		1	1.0	2	0932	10.0	0.0	0932	N/A	N/A	slight gasoline odors noted, no staining
		- -				1		10.0					
		- 5 -				1							
		- -				2							
		- 6 -		2	1.0	2	0925	118.0	0.0	0925	N/A	N/A	Heavy gasoline like odors, staining
		- -				2		228.0					
		- 7 -				2							
		- -				2							
		- 8 -		3	0.5	1	0938	220.0	0.0	0938	N/A	N/A	0927 Sample SB-31 (6.5-7.0) collected for TCL VOC, TCL SVOC, TAL Metals
		- -				2							
		- 9 -				2							
		- -				3							
		- 10 -											

LOG OF SOIL BORING SB-31

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER			
Halladay Street, Jersey City, New Jersey						020667601			
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED		
Advanced Drilling, Inc.			Jeremy Logel		04/08/05		04/08/05		
DRILLING EQUIPMENT					COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)		
Hollow Stem Auger Rig, 4.25" Augers					44'		not encountered		
TYPE BIT N/A			SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 20	UNDIST. N/A	CORE N/A	
CASING N/A			N/A		WATER DEPTH	FIRST 10'	COMPL. N/A	24HR N/A	
CASING HAMMER		WEIGHT N/A		DROP N/A	BORING LOCATION				
SAMPLER 2" diameter, 2' long split-spoon					North of Halstead Building, Parking Area				
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"	INSPECTOR Eric Gaulin				

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
10.0-13.25' FILL: soil, wood fragments, clinker, coal fragments, glass pieces, trace ash material (AM), clam shell fragment observed at 12'		- 10 -		4	1.0	3	0945	3.2	0.0	0945	N/A	N/A	No staining noted
		- -				2		0.0					
		- 11 -				2							
		- -				2							
13.25-14.0' FILL: consisting of disturbed dark grayish brown (10YR4/2) PEAT and organic CLAY (PT)		- 12 -		5	2.0	2	0950	0.0	0.0	0950	N/A	N/A	Staining, gasoline like odors from 12.5-13.0; no odors or staining noted in clay / peat
		- -				5		60.0					
		- 13 -				2		0.0					
		- -				2		0.0					
14.0-18.1' FILL: Dark gray (10YR4/1) fine to medium SAND, trace clay and trace silt, 10% fine angular black gravel with some brick and glass fragments from 17.0-17.5 feet		- 14 -		6	1.0	2	0955	0.0	0.0	0955	N/A	N/A	
		- -				2		0.0					
		- 15 -				3							
		- -				3							
		- 16 -		7	1.5	5	0957	0.0	0.0	0957	N/A	N/A	
		- -				4		0.0					
		- 17 -				5		0.0					
		- -				6							
18.1-20.25' Very dark gray (7.5YR3/1) PEAT trace organic clay, fibers in peat <1/4" length		- 18 -		8	0.8	5	1011	0.0	0.0	1011	N/A	N/A	1000 Sample SB-31 (16.5-17.0) collected for TCL VOC, TCL SVOC, TAL Metals, Total and amenable CN
		- -				5		0.0					
		- 19 -				6							
		- -				6							
		- 20 -											

LOG OF SOIL BORING SB-31

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER		
Halladay Street, Jersey City, New Jersey						020667601		
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.			Jeremy Logel		04/08/05		04/08/05	
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)		
Hollow Stem Auger Rig, 4.25" Augers				44'		not encountered		
TYPE BIT N/A			SIZE AND TYPE CORE BARREL		NO. SAMPLES DIST. 20		UNDIST. N/A CORE N/A	
CASING N/A			N/A		WATER DEPTH FIRST 10'		COMPL. N/A 24HR N/A	
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION		
SAMPLER 2" diameter, 2' long split-spoon				North of Halstead Building, Parking Area				
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"		INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	(PPM)					
								Sample	Ambient Air	Time	Head Space	Time Date	
18.0-20.25' Very dark gray (7.5YR3/1) PEAT trace organic clay, fibers in peat <1/4" length		- 20 -		9	1.25	7	1031	0.0	0.0	1031	N/A	N/A	
20.25-20.75' Dark gray (5YR4/1) fine SILTY SAND, little 1/2" diameter subrounded gravel, trace clay (SP)		- 21 -				14		0.0					
20.75-21.25' Reddish brown (2.5YR5/3) fine to medium SAND, trace silt (SW)		- 22 -				8		0.0					
22.0-24.0' Reddish brown (2.5YR5/3) fine to medium SAND, trace silt, with occasional 1"-2" bands of coarse sand and fine gravel (SW)		- 23 -		10	2.0	8	1036	0.0	0.0	1036	N/A	N/A	
		- 24 -				12		0.0					1039 Positive dye test at 23.75' - OM staining and naphthalene odors from 23.75-25.25'
		- 25 -				12		0.0					
		- 26 -				11		0.0					
24.0-25.25' Reddish brown (2.5YR5/3) fine to medium SAND, trace silt, with occasional 1"-2" bands of coarse sand and fine gravel (SW), stained with thin brown oil material (OM)		- 27 -		11	2.0	5	1044	7.4	0.0	1044	N/A	N/A	
25.25-26.0' Reddish brown (2.5YR5/3) fine SILTY SAND, no staining or OM (SM)		- 28 -				7		9.0					1051 Sample SB-31 (24.5-25.0) for GC Fingerprint, TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
		- 29 -				8		0.0					
		- 30 -				9		0.0					
26.0-27.5' Reddish brown (2.5YR5/3) fine SILTY SAND, occasional 1" band of fine to medium sand, dry and firm (SM)		- 31 -		12	1.5	8	1058	0.0	0.0	1058	N/A	N/A	No odors or staining
		- 32 -				10		0.0					1059 Sample SB-31 (27.0-27.5) for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
		- 33 -				11		0.0					
		- 34 -				12		0.0					
28.0-29.5' Red (2.5YR4/6) fine SILTY SAND, occasional 1" band of silt (SM)		- 35 -		13	1.5	8	1112	0.0	0.0	1112	N/A	N/A	
		- 36 -				9		0.0					
		- 37 -				8		0.0					
		- 38 -				9							

LOG OF SOIL BORING SB-31

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER																
Halladay Street, Jersey City, New Jersey					020667601																
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED															
Advanced Drilling, Inc.		Jeremy Logel		04/08/05		04/08/05															
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)															
Hollow Stem Auger Rig, 4.25" Augers				44'		not encountered															
TYPE BIT		N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES		DIST.		20		UNDIST.		N/A		CORE		N/A			
CASING		N/A		N/A		WATER DEPTH		FIRST		10'		COMPL.		N/A		24HR		N/A			
CASING HAMMER		WEIGHT		N/A		DROP		N/A		BORING LOCATION											
SAMPLER		2" diameter, 2' long split-spoon		North of Halstead Building, Parking Area																	
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"		INSPECTOR										Eric Gaulin	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	(PPM)					
								Sample	Ambient Air	Time	Head Space	Time Date	
30.0-31.4' Red (2.5YR4/6) fine SILTY SAND, little fine sandy silt (SM)		- 30 -		14	1.4	9	1128	0.0	0.0	1128	N/A	N/A	
		- -											
		- 31 -				12		0.0					
		- -				13		0.0					
32.0-34.0' Red (2.5YR4/6) fine SILTY SAND, little fine sandy silt, occasional 1/4" lens of silty clay (SM)		- 32 -		15	2.0	10	1131	0.0	0.0	1131	N/A	N/A	
		- -				14		0.0					
		- 33 -				15		0.0					
		- -				16		0.0					
32.0-40.0' Red (2.5YR4/6) fine SILTY SAND, little fine sandy silt (SM)		- 34 -		16	1.5	9	1155	0.0	0.0	1155	N/A	N/A	
		- -				13		0.0					
		- 35 -				14		0.0					
		- -				15							
		- 36 -		17	2.0	12	1151	0.0	0.0	1151	N/A	N/A	
		- -				16		0.0					
		- 37 -				15		0.0					
		- -				17		0.0					
		- 38 -		18	1.5	8	1210	0.0	0.0	1210	N/A	N/A	
		- -				12		0.0					
		- 39 -				10		0.0					
		- -				9							
		- 40 -											

LOG OF SOIL BORING SB-31

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER																	
Halladay Street, Jersey City, New Jersey						020667601																	
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED																	
Advanced Drilling, Inc.		Jeremy Logel		04/08/05		04/08/05																	
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)																	
Hollow Stem Auger Rig, 4.25" Augers				44'		not encountered																	
TYPE BIT		N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES		DIST.		20		UNDIST.		N/A		CORE		N/A					
CASING		N/A		N/A		WATER DEPTH		FIRST		10'		COMPL.		N/A		24HR		N/A					
CASING HAMMER		WEIGHT		N/A		DROP		N/A		BORING LOCATION													
SAMPLER				2" diameter, 2' long split-spoon				North of Halstead Building, Parking Area															
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"		INSPECTOR										Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
40.0-42.0' Reddish brown (2.5YR4/3) fine SILTY SAND, little fine sandy silt, occasional silty clay lens (SM)		- 40 -		19	2.0	10	1224	0.0	0.0	1224	N/A	N/A	
		- -				11		0.0					
		- 41 -				11		0.0					
		- -				10		0.0					
42.0-44.0' Reddish brown (2.5YR4/4) interlaminated SILT and SILTY CLAY, layers 1" to 2" thick (CL)		- 42 -		20	2.0	14	1229	0.0	0.0	1229	N/A	N/A	1230 Sample SB-31 (42.0-42.5) for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
		- -				14		0.0					
		- 43 -				15		0.0					
		- -				16		0.0					
End of Boring at 44'		- 44 -											
		- -											
		- 45 -											
		- -											
		- 46 -											
		- -											
		- 47 -											
		- -											
		- 48 -											
		- -											
		- 49 -											
		- -											
	- 50 -												

LOG OF SOIL BORING SB-32

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street, Jersey City, New Jersey						020667601	
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Jeremy Logel		04/20/05		04/20/05	
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
Hollow Stem Auger Rig, 4.25" Augers				52'		not encountered	
TYPE BIT		N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES	
						DIST. 24	
CASING		N/A		WATER DEPTH		FIRST 4.5'	
CASING HAMMER		WEIGHT N/A		DROP N/A		COMPL. N/A	
						24HR N/A	
BORING LOCATION							
SAMPLER				2" diameter, 2' long split-spoon			
Halladay Street, Front of Junkyard							
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"		INSPECTOR Eric Gaulin	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-4.0' Cleared via hand dig; soil from 0.0-2.0 was fill consisting of gravel, asphalt, brick pieces; soil from 2.0-4.0' was fill consisting of fine to medium sand		- 0 -											Boring through gravel road shoulder
		- -											
		- 1 -											
		- -											
4.0-8.0' FILL: Tight brown silty sand, coal fragments, ash		- 2 -											
		- -											
		- 3 -											
		- -											
8.0-9.5' FILL: Greyish green silty sand, coal fragments, ash staining		- 4 -		1	1.0	2	0918	0.0	0.0	0918	N/A	N/A	
		- -				3		0.0					
		- 5 -				4							
		- -				6							
		- 6 -		2	2.0	5	0919	0.0	0.0	0919	N/A	N/A	Gasoline like odors noted from 8.25-9.0
		- -				3		0.0					
		- 7 -				3		0.0					
		- -				4		0.0					
		- 8 -		3	1.5	5	0920	0.0	0.0	0920	N/A	N/A	0924 Sample SB-32 (8.5-9.0) for TCL VOC, TCL SVOC, TAL Metals, Total and amenable CN Staining and naphthalene odors at 9.5
		- -				6		5.3					
		- 9 -				7		2.8					
		- -				6		0.0					
		- 10 -											

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER		
Halladay Street, Jersey City, New Jersey						020667601		
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.			Jeremy Logel		04/20/05		04/20/05	
DRILLING EQUIPMENT					COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
Hollow Stem Auger Rig, 4.25" Augers					52'		not encountered	
TYPE BIT N/A			SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 24	UNDIST. N/A	CORE N/A
CASING N/A			N/A		WATER DEPTH	FIRST 4.5'	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION		
SAMPLER 2" diameter, 2' long split-spoon					Halladay Street, Front of Junkyard			
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"		INSPECTOR Eric Gaulin		

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LOG OF SOIL BORING SB-32

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER																								
Halladay Street, Jersey City, New Jersey					020667601																								
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED																							
Advanced Drilling, Inc.		Jeremy Logel		04/20/05		04/20/05																							
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)																								
Hollow Stem Auger Rig, 4.25" Augers			52'		not encountered																								
TYPE BIT		N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES		DIST.		24		UNDIST.		N/A		CORE		N/A											
CASING		N/A		N/A		WATER DEPTH		FIRST		4.5'		COMPL.		N/A		24HR		N/A											
CASING HAMMER		WEIGHT		N/A		DROP		N/A		BORING LOCATION																			
SAMPLER		2" diameter, 2' long split-spoon										Halladay Street, Front of Junkyard																	
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"		INSPECTOR										Eric Gaulin									

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
18.0-23.0' Dark gray (10R4/1) fine to coarse sand, trace silt, trace gravel (SW)		- 20 -		9	2.0	5	1028	0.0	0.0	1028	N/A	N/A	
		- -			5		0.0						
		- 21 -			5		0.0						
		- -			6		0.0						
24.0-27.0' Dark reddish brown (2.5YR3/4) fine to coarse sand, trace silt (SW)		- 22 -		10	1.0	7	1029	0.0	0.0	1029	N/A	N/A	
		- -			8		0.0						
		- 23 -			9								
		- -			9								
27.0-27.25' Dark reddish brown (2.5YR3/4) fine to coarse sand (SW)		- 24 -		11	1.5	5	1046	0.0	0.0	1046	N/A	N/A	Slight naphthalene odor in groundwater, no staining, no sheen
		- -			7		0.0						
		- 25 -			8		0.0						
		- -			6								
27.25-31.5' Dark reddish brown (2.5YR3/4) fine SILTY SAND (SM)		- 26 -		12	2.0	4	1052	0.0	0.0	1052	N/A	N/A	
		- -			6		0.0						
		- 27 -			5		0.0						
		- -			7		0.0						
		- 28 -		13	1.5	7	1056	0.0	0.0	1056	N/A	N/A	
		- -			8		0.0						
		- 29 -			9		0.0						
		- -			10								
		- 30 -											

LOG OF SOIL BORING SB-32

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)				PROJECT NUMBER								
Halladay Street, Jersey City, New Jersey								020667601								
DRILLING CONTRACTOR			FOREMAN		DATE STARTED			DATE COMPLETED								
Advanced Drilling, Inc.			Jeremy Logel		04/20/05			04/20/05								
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)			ROCK DEPTH (FT)									
Hollow Stem Auger Rig, 4.25" Augers				52'			not encountered									
TYPE BIT		N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	24	UNDIST.	N/A	CORE	N/A				
CASING		N/A		N/A		WATER DEPTH	FIRST	4.5'	COMPL.	N/A	24HR	N/A				
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION										
SAMPLER						Halladay Street, Front of Junkyard										
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"		INSPECTOR Eric Gaulin										
DESCRIPTION				Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS
							Number	Recov. (ft)	Resist. BL/6in	Time	(PPM)					
											Sample	Ambient Air	Time	Head Space	Time Date	
27.25-31.5' Dark reddish brown (2.5YR3/4) fine SILTY SAND (SM)				-	30	-	14	2.0	8	1109	0.0	0.0	1109	N/A	N/A	1117 Sample SB-32 (30.5-31.0) and SB-32 (30.5-31.0)D for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
31.5-32.25' Reddish brown (2.5YR4/4) fine SANDY SILT (SM)				-	31	-										
32.25-32.5' Reddish brown (2.5YR4/4) fine SAND (SP)				-	32	-	15	1.0	6	1115	0.0	0.0	1115	N/A	N/A	
32.5-32.75' Reddish brown (2.5YR4/4) interlaminated SILTY CLAY, SILT (CL)				-	33	-										
32.75-41.8' Reddish brown (2.5YR4/4) fine SANDY SILT, little silty clay (SM)				-	34	-	16	2.0	8	1134	0.0	0.0	1134	N/A	N/A	
				-	35	-										
				-	36	-	17	2.0	5	1140	0.0	0.0	1140	N/A	N/A	
				-	37	-										
				-	38	-	18	2.0	7	1142	0.0	0.0	1142	N/A	N/A	
				-	39	-										
				-	40	-										

LOG OF SOIL BORING SB-32

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER		
Halladay Street, Jersey City, New Jersey						020667601		
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.			Jeremy Logel		04/20/05		04/20/05	
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)		
Hollow Stem Auger Rig, 4.25" Augers				52'		not encountered		
TYPE BIT N/A			SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 24	UNDIST. N/A	CORE N/A
CASING N/A			N/A		WATER DEPTH	FIRST 4.5'	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION		
SAMPLER 2" diameter, 2' long split-spoon				Halladay Street, Front of Junkyard				
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"		INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS	
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date		
32.75-41.8' Reddish brown (2.5YR4/4) fine SANDY SILT, little silty clay (SM)		- 40 -		19	2.0	12	1256	0.0	0.0	1256	N/A	N/A		
		- -				13		0.0						
		- 41 -				14		0.0						
		- -				17		0.0						
41.8-42.1' Reddish brown (2.5YR4/4) interlaminated SILTY CLAY, SILT (CL)		- 42 -												
		- -		20	2.0	16	1301	0.0	0.0	1301	N/A	N/A		
		- 43 -				18		0.0						
		- -				20		0.0						
42.1-43.1' Reddish brown (2.5YR4/4) loose fine SILTY SAND mud		- 44 -				21		0.0						
		- -		21	1.8	19	1301	0.0	0.0	1301	N/A	N/A		
		- 45 -				21		0.0						
		- -				22		0.0						
43.1-44.0' Reddish brown (2.5YR4/4) fine SILTY SAND, tight (SM)		- 46 -				21		0.0						
		- -		22	2.0	23	1306	0.0	0.0	1306	N/A	N/A		
		- 47 -				20		0.0						
		- -				22		0.0						
44.0-45.25' Reddish brown (2.5YR4/4) fine SANDY SILT, little silty clay (SM)		- 48 -				21		0.0						
		- -		23	2.0	19	1343	0.0	0.0	1343	N/A	N/A		
		- 49 -				21		0.0						
		- -				20		0.0						
45.25-45.45' Reddish brown (2.5YR4/4) laminated SILTY CLAY (CL)		- 50 -				20		0.0						
		- -				20		0.0						
		- 51 -				20		0.0						
		- -				20		0.0						
45.45-49.0' Reddish brown (2.5YR4/4) fine SANDY SILT (SM), occasional thin silty clay		- 52 -												
		- -												
		- 53 -												
		- -												
49.0-49.5' Reddish brown (2.5YR4/4) interlaminated fine SANDY SILT (SM) and silty clay		- 54 -											1401 Sample SB-32 (49.0-49.5) for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN	
		- -												
		- 55 -												
		- -												
49.5-51.25' TILL: Dark gray (GLE Y1 4/N) fine to medium SAND, little gravel, little clay, 10% gravel (diabase, argillite)		- 56 -												
		- -												
		- 57 -												
		- -												

LOG OF SOIL BORING SB-32

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER																
Halladay Street, Jersey City, New Jersey					020667601																
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED															
Advanced Drilling, Inc.		Jeremy Logel		04/20/05		04/20/05															
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)																
Hollow Stem Auger Rig, 4.25" Augers			52'		not encountered																
TYPE BIT		N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES		DIST.		24		UNDIST.		N/A		CORE		N/A			
CASING		N/A		N/A		WATER DEPTH		FIRST		4.5'		COMPL.		N/A		24HR		N/A			
CASING HAMMER		WEIGHT		N/A		DROP		N/A		BORING LOCATION											
SAMPLER		2" diameter, 2' long split-spoon		Halladay Street, Front of Junkyard																	
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"		INSPECTOR										Eric Gaulin	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
49.5-51.25' TILL: Dark gray (GLE Y1 4/N) fine to medium SAND, little gravel, little clay, 10% gravel (diabase, argillite) 													

LOG OF SOIL BORING SB-33

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey					020667601							
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED						
Advanced Drilling, Inc.		Jeremy Logel		04/18/05		04/19/05						
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)						
Hollow Stem Auger Rig, 4.25" Augers; mud rotary with 3 7/8" roller bit				59.5'		56.5						
TYPE BIT		N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	21	UNDIST.	N/A	CORE	N/A
CASING		N/A		N/A		WATER DEPTH	FIRST	5'	COMPL.	N/A	24HR	N/A
CASING HAMMER		WEIGHT		N/A		DROP		N/A				
BORING LOCATION												
SAMPLER						2" diameter, 2' long split-spoon						
Forrest Street, side, between Halladay and Pacific												
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"				
INSPECTOR		Eric Gaulin										

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
2.0-6.0' FILL: Brown (7.5YR5/4) mix of silt, silty clay, fine sandy silt, trace gravel		- 0 -											Augered through asphalt road surface
		- -											
		- 1 -											
		- -											
		- 2 -		1	1.75	2	0923	0.0	0.0	0923	N/A	N/A	
		- -				4		0.0					
		- 3 -				3		0.0					
		- -				2		0.0					
		- 4 -		2	2.0	4	0929	0.0	0.0	0929	N/A	N/A	
		- -				5		0.0					
6.0-6.5' Reddish brown (2.5YR4/4) fine SANDY SILT (SM) 6.5-14.5' Reddish brown (2.5YR4/4) fine SILTY SAND (SM), with occasional 1" bands of fine sandy silty from 12.0-14.0'		- 5 -				7		0.0					
		- -				8		0.0					
		- 6 -		3	1.0	8	0931	0.0	0.0	0931	N/A	N/A	
		- -				10		0.0					
		- 7 -				12							
		- -				13							
		- 8 -		4	2.0	10	0935	0.0	0.0	0935	N/A	N/A	
		- -				11		0.0					
		- 9 -				12		0.0					
		- -				17		0.0					
		- 10 -											

LOG OF SOIL BORING SB-33

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER																				
Halladay Street, Jersey City, New Jersey					020667601																				
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED																			
Advanced Drilling, Inc.		Jeremy Logel		04/18/05		04/19/05																			
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)																			
Hollow Stem Auger Rig, 4.25" Augers; mud rotary with 3 7/8" roller bit				59.5'		56.5																			
TYPE BIT		N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES		DIST.		21		UNDIST.		N/A		CORE		N/A							
CASING		N/A		N/A		WATER DEPTH		FIRST		5'		COMPL.		N/A		24HR		N/A							
CASING HAMMER		WEIGHT		N/A		DROP		N/A		BORING LOCATION															
SAMPLER		2" diameter, 2' long split-spoon										Forrest Street, side, between Halladay and Pacific													
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"		INSPECTOR										Eric Gaulin					

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
6.5-14.5' Reddish brown (2.5YR4/4) fine SILTY SAND (SM), with occasional 1" bands of fine sandy silty from 12.0-14.0'		- 10 -		5	1.5	6	0942	0.0	0.0	0942	N/A	N/A	0945 Sample SB-33 (13.5-14.0) for TCL VOC, TCL SVOC, TAL Metals, total and amenable CN
		- -			7		0.0						
		- 11 -			7		0.0						
		- -			9								
		- 12 -		6	2.0	8	0944	0.0	0.0	0944	N/A	N/A	
		- -			9		0.0						
		- 13 -			11		0.0						
		- -			10		0.0						
		- 14 -											
		- -											
14.0-18.0' Hydropunch driven		- 15 -											1018 Sample SB-33-W (14-18) for TCL VOC, TCL SVOC, TAL Metals
		- -											
		- 16 -											
		- -											
		- 17 -											
18.0-26.5' TILL: consisting of reddish brown (2.5YR4/4) tight fine SANDY SILT and 50% 1/4" angular argillite and some subrounded tan fine sandstone and reddish silt stone		- 18 -		7	1.0	21	1033	0.0	0.0	1033	N/A	N/A	
		- -				37		0.0					
		- 19 -				44							
		- -				49							
		- 20 -											
		- -											

LOG OF SOIL BORING SB-33

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey					020667601							
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED						
Advanced Drilling, Inc.		Jeremy Logel		04/18/05		04/19/05						
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)						
Hollow Stem Auger Rig, 4.25" Augers; mud rotary with 3 7/8" roller bit				59.5'		56.5						
TYPE BIT		N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	21	UNDIST.	N/A	CORE	N/A
CASING		N/A		N/A		WATER DEPTH	FIRST	5'	COMPL.	N/A	24HR	N/A
CASING HAMMER		WEIGHT		N/A		DROP		N/A				
BORING LOCATION												
SAMPLER						2" diameter, 2' long split-spoon						
Forrest Street, side, between Halladay and Pacific												
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"				
INSPECTOR		Eric Gaulin										

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
18.0-26.5' TILL: consisting of reddish brown (2.5YR4/4) tight fine SANDY SILT and 50% 1/4" angular argillite and some subrounded tan fine sandstone and reddish silt stone		- 20 -		8	1.0	27	1048	0.0	0.0	1048	N/A	N/A	
		- -				31		0.0					
		- 21 -				38							
		- -				41							
		- 22 -		9	1.0	36	1053	0.0	0.0	1053	N/A	N/A	
		- -				40		0.0					
		- 23 -				42							
		- -				45							
		- 24 -		10	1.0	31	1114	0.0	0.0	1114	N/A	N/A	
		- -				27		0.0					
		- 25 -				18							
		- -				19							
28-30.3' Reddish brown (2.5YR4/4) fine SILT SAND, <5% fine (1/8") gravel, very tight and compacted		- 26 -		11	0.5	14	1120	0.0	0.0	1120	N/A	N/A	
		- -				19							
		- 27 -				18							
		- -				17							
		- 28 -		12	1.5	62	1134	0.0	0.0	1134	N/A	N/A	
		- -				57		0.0					
		- 29 -				52		0.0					
		- -				43							
		- 30 -											

LOG OF SOIL BORING SB-33

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER								
Halladay Street, Jersey City, New Jersey					020667601								
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED							
Advanced Drilling, Inc.		Jeremy Logel		04/18/05		04/19/05							
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)							
Hollow Stem Auger Rig, 4.25" Augers; mud rotary with 3 7/8" roller bit				59.5'		56.5							
TYPE BIT		N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	21	UNDIST.	N/A	CORE	N/A	
CASING		N/A		N/A		WATER DEPTH	FIRST	5'	COMPL.	N/A	24HR	N/A	
CASING HAMMER		WEIGHT		N/A		DROP		N/A		BORING LOCATION			
SAMPLER		2" diameter, 2' long split-spoon				Forrest Street, side, between Halladay and Pacific							
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"		INSPECTOR			Eric Gaulin

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
28-30.3' Reddish brown (2.5YR4/4) fine SILT SAND, <5% fine (1/8") gravel, very tight and compacted		- 30 -		13	0.5	31	1155	0.0	0.0	1155	N/A	N/A	
30.3-30.5' Angular fragments of fine grained sandstone		- 31 -				43							
		- 32 -				46							
		- 33 -				49							
32.0-32.2' Fragment of medium grained white sandstone		- 32 -		14	1.0	41	1159	0.0	0.0	1159	N/A	N/A	
32.2-33.0' TILL: consisting of reddish brown (2.5YR4/4) tight fine SANDY SILT and 50% 1/4" angular argillite and some subrounded tan fine sandstone and reddish silt stone		- 33 -				11		0.0					
		- 34 -				19							
		- 35 -				23							
34.0-38.5' TILL: reddish brown (2.5YR4/4) SILTY SAND with 5% fine gravel, fragment		- 34 -		15	1.0	47	1211	0.0	0.0	1211	N/A	N/A	
		- 35 -				57		0.0					
		- 36 -				63							
		- 37 -				77							
		- 38 -		16	1.0	51	1216	0.0	0.0	1216	N/A	N/A	
		- 39 -				63		0.0					
		- 40 -				49							
		- 41 -				55							
		- 42 -		17	0.5	55	1551	0.0	0.0	1551	N/A	N/A	Spoon Refusal
		- 43 -				100/4"							
		- 44 -											
		- 45 -											


LOG OF SOIL BORING SB-33

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)			PROJECT NUMBER						
Halladay Street, Jersey City, New Jersey							020667601						
DRILLING CONTRACTOR			FOREMAN		DATE STARTED			DATE COMPLETED					
Advanced Drilling, Inc.			Jeremy Logel		04/18/05			04/19/05					
DRILLING EQUIPMENT					COMPLETION DEPTH (FT BGS)			ROCK DEPTH (FT)					
Hollow Stem Auger Rig, 4.25" Augers; mud rotary with 3 7/8" roller bit					59.5'			56.5					
TYPE BIT			N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	21	UNDIST.	N/A	CORE	N/A
CASING			N/A		N/A		WATER DEPTH	FIRST	5'	COMPL.	N/A	24HR	N/A
CASING HAMMER		WEIGHT		N/A		DROP		N/A		BORING LOCATION			
SAMPLER						2" diameter, 2' long split-spoon		Forrest Street, side, between Halladay and Pacific					
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"		INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
40.0-44.0' No Spoons collected, augered to clear hole		- 40 -											
		- - -											
		- 41 -											
		- - -											
		- 42 -											
		- - -											
		- 43 -											
		- - -											
	44.0-48.0' Reddish brown (2.5YR4/4) fine SILTY SAND and fine SANDY SILT with trace fine gravel (SW)		- 44 -	18	2.0	37	1629	0.0	0.0	1629	N/A	N/A	1630 Sample SB-33 (44.5-45.0) for TCL VOC, TCL SVOC, TAL Metals, total and amenable CN; tight and dry
			- - -			56		0.0					
		- 45 -			80		0.0						
		- - -			81		0.0						
		- 46 -	19	2.0	80	1633	0.0	0.0	1633	N/A	N/A		
		- - -			100/3"		0.0						
		- 47 -					0.0						
		- - -					0.0						
		- 48 -					0.0						
48.0-49.0' Reddish brown (2.5YR4/4) fine SILTY SAND and fine SANDY SILT with trace fine gravel and large (1-2") gravel			- - -	20	1.0	28	0915	0.0	0.0	0915	N/A	N/A	
		- 48 -										Started here 4-19-05	
		- - -			47		0.0					Loose	
		- 49 -			50								
		- - -			37								
		- 50 -											


LOG OF SOIL BORING SB-33

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey					020667601							
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED						
Advanced Drilling, Inc.		Jeremy Logel		04/18/05		04/19/05						
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)						
Hollow Stem Auger Rig, 4.25" Augers; mud rotary with 3 7/8" roller bit				59.5'		56.5						
TYPE BIT		N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	21	UNDIST.	N/A	CORE	N/A
CASING		N/A		N/A		WATER DEPTH	FIRST	5'	COMPL.	N/A	24HR	N/A
CASING HAMMER		WEIGHT		N/A		DROP		N/A				
BORING LOCATION												
SAMPLER						2" diameter, 2' long split-spoon						
Forrest Street, side, between Halladay and Pacific												
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"				
INSPECTOR		Eric Gaulin										

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	(PPM)					
								Sample	Ambient Air	Time	Head Space	Time Date	
49.0-50.0' Reddish brown (2.5YR4/4) fine SILTY SAND and fine SANDY SILT with trace fine gravel		- 50 -										Spoon Refusal	
		21	1.0	47	0937	0.0	0.0	0937	N/A	N/A			
				70		0.0							
				100/1"									
52.0-56.0' No spoons collected, augered to clear hole		- 52 -											
		- -											
		- 53 -											
		- -											
		- 54 -											
		- -											
		- 55 -											
		- -											
Screened mud, fragments of black argillite, with occasional soft piece of limestone, possibly in fractures - bedrock encountered at 56.5', drilled to 59.5' to confirm		- 56 -										56.5 hit hard strata, augers moving slow - switched to mud rotary	
		- -											
		- 57 -											
		- -											
End of boring at 59.5'		- 58 -											
		- -											
		- 59 -											
		- -											
		- 60 -											

LOG OF SOIL BORING SB-34

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER											
Halladay Street, Jersey City, New Jersey						020667601											
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED										
Advanced Drilling, Inc.			Jeremy Logel		04/14/05		04/14/05										
DRILLING EQUIPMENT					COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)										
Hollow Stem Auger Rig, 4.25" Augers					55'		55'										
TYPE BIT			N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	24	UNDIST.	N/A	CORE	N/A				
CASING			N/A		N/A		WATER DEPTH	FIRST	4'	COMPL.	N/A	24HR	N/A				
CASING HAMMER		WEIGHT		N/A		DROP		N/A		BORING LOCATION							
SAMPLER						2" diameter, 2' long split-spoon											
SAMPLER HAMMER						WEIGHT		140 lbs.		DROP		30"		INSPECTOR		Eric Gaulin	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-2.0 No spoon collected, augered; 3" asphalt, 8" crushed stone		- 0 -											
		- -											
		- 1 -											
		- -											
2.0-2.2' Crushed stone		- 2 -											
2.2-2.6' Reddish brown (2.5YR4/4) fine SANDY SILT (SM)		- -		1	1.6	5	1002	0.0	0.0	1002	N/A	N/A	
2.6-3.6' Reddish brown (2.5YR4/4) fine to medium SAND (SW)		- 3 -				5		0.0					
		- -				5		0.0					
		- -				5		0.0					
4.0-9.0' Reddish brown (2.5YR4/3) fine to medium SAND, trace silt, occasional 1" band of fine gravel (1/8") gravel		- 4 -											
		- -		2	1.0	3	1009	0.0	0.0	1009	N/A	N/A	
		- -				3		0.0					
		- 5 -				3							
		- -				3							
		- 6 -				3							
		- -		3	1.5	3	1010	0.0	0.0	1010	N/A	N/A	
		- -				4		0.0					
		- 7 -				4		0.0					
		- -				3							
		- 8 -				3							
		- -		4	1.0	4	1011	0.0	0.0	1011	N/A	N/A	
		- -				3		0.0					
		- 9 -				3							
		- -				4							
		- 10 -											


LOG OF SOIL BORING SB-34

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER		
Halladay Street, Jersey City, New Jersey						020667601		
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.			Jeremy Logel		04/14/05		04/14/05	
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)		
Hollow Stem Auger Rig, 4.25" Augers				55'		55'		
TYPE BIT N/A			SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 24	UNDIST. N/A	CORE N/A
CASING N/A			N/A		WATER DEPTH	FIRST 4'	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION		
SAMPLER 2" diameter, 2' long split-spoon				Forrest Street, side, west of Halladay Street				
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"		INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
10.0-15.1' Reddish brown (2.5YR4/3) fine to medium SILTY SAND, trace fine gravel (1/8") gravel (SW)		- 10 -		5	1.25	4	1020	0.0	0.0	1020	N/A	N/A	
		- -			5			0.0					
		- 11 -			7			0.0					
		- -			7								
		- 12 -		6	1.0	7	1021	0.0	0.0	1021	N/A	N/A	
		- -			8			0.0					
		- 13 -			9								
		- -			8								
15.1'-17.5 Dark reddish brown (2.5YR3/4) fine SILTY SAND (SM)		- 14 -		7	1.5	6	1034	0.0	0.0	1034	N/A	N/A	
		- -			7			0.0					
		- 15 -			7			0.0					
		- -			6								
		- 16 -		8	1.7	7	1040	0.0	0.0	1040	N/A	N/A	
		- -			7			0.0					
		- 17 -			7			0.0					1041 Sample SB-24 (18.0-18.5) for TCL VOC, TCL SVOC, TAL Metals, Total and amenable CN
		- -			7			0.0					
17.5-17.7' Dark reddish brown (2.5YR3/4) fine SANDY SILT (SM)		- 18 -		9	2.0	10	1041	0.0	0.0	1041	N/A	N/A	
18.0-20.8' Dark reddish brown (2.5YR3/4) fine SAND (SP)		- -				11		0.0					
		- 19 -				13		0.0					
		- -				14		0.0					
		- 20 -											

LOG OF SOIL BORING SB-34

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER		
Halladay Street, Jersey City, New Jersey						020667601		
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.			Jeremy Logel		04/14/05		04/14/05	
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)		
Hollow Stem Auger Rig, 4.25" Augers				55'		55'		
TYPE BIT N/A			SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 24	UNDIST. N/A	CORE N/A
CASING N/A			N/A		WATER DEPTH	FIRST 4'	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION		
SAMPLER 2" diameter, 2' long split-spoon				Forrest Street, side, west of Halladay Street				
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"		INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	(PPM)					
								Sample	Ambient Air	Time	Head Space	Time Date	
18.0-20.8' Dark reddish brown (2.5YR3/4) fine SAND (SP)		- 20 -											
20.8-21.2' Dark reddish brown (2.5YR3/4) fine SANDY SILT (SM)				10	1.5	6	1055	0.0	0.0	1055	N/A	N/A	
						8		0.0					
21.2-23.0' Dark reddish brown (2.5YR3/4) fine SILT SAND (SM)			- 21 -			9		0.0					
						9							
23.0-25.7' Dark reddish brown (2.5YR3/4) fine SANDY SILT (SM)			- 22 -										
				11	2.0	9	1058	0.0	0.0	1058	N/A	N/A	
						8		0.0					
			- 23 -			10		0.0					
						11		0.0					
		- 24 -											
			12	2.0	4	1120	0.0	0.0	1120	N/A	N/A		
					6		0.0						
25.7-25.8' Reddish brown (5YR4/3) SILTY CLAY (CL)		- 25 -			6		0.0						
					6		0.0						
25.8-26.1' Reddish brown (5YR4/3) fine SILTY SAND (SM)		- 26 -			6		0.0						
26.1-33.75' Reddish brown (5YR4/3) fine SANDY SILT (SM)		- 27 -			13	2.0	9	1122	0.0	0.0	1122	N/A	N/A
					12		0.0						
		- 28 -			12		0.0						
					12		0.0						
		- 29 -			14	2.0	9	1125	0.0	0.0	1125	N/A	N/A
					12		0.0						
					9		0.0						
		- 30 -			8		0.0						

LOG OF SOIL BORING SB-34

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey						020667601							
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED						
Advanced Drilling, Inc.			Jeremy Logel		04/14/05		04/14/05						
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)							
Hollow Stem Auger Rig, 4.25" Augers				55'		55'							
TYPE BIT		N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	24	UNDIST.	N/A	CORE	N/A	
CASING		N/A		N/A		WATER DEPTH	FIRST	4'	COMPL.	N/A	24HR	N/A	
CASING HAMMER		WEIGHT		N/A		DROP		N/A		BORING LOCATION			
SAMPLER				2" diameter, 2' long split-spoon		Forrest Street, side, west of Halladay Street							
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"		INSPECTOR			Eric Gaulin

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	(PPM)					
								Sample	Ambient Air	Time	Head Space	Time Date	
26.1-33.75' Dark reddish brown (5YR4/3) fine SANDY SILT (SM)		- 30 -		15	1.0	4	1137	0.0	0.0	1137	N/A	N/A	
		- -				5		0.0					
		- 31 -				6							
		- -				8							
33.75-34.2' Reddish brown (5YR5/4) SILT and SILTY CLAY (CL)		- 32 -		16	2.0	9	1141	0.0	0.0	1141	N/A	N/A	
		- -				11		0.0					
		- 33 -				14		0.0					
		- -				17		0.0					
34.2-37.0' Reddish brown (5YR5/4) fine SANDY SILT with occassional 1/2" band of SILT (SM)		- 34 -		17	1.7	14	1158	0.0	0.0	1158	N/A	N/A	
		- -				15		0.0					
		- 35 -				18		0.0					
		- -				20		0.0					
37.0-39.0' Reddish brown (5YR5/4) fine SANDY SILT (SM)		- 36 -		18	2.0	15	1159	0.0	0.0	1159	N/A	N/A	
		- -				15		0.0					
		- 37 -				15		0.0					
		- -				17		0.0					
39.0-40.5' Reddish brown (2.5YR4/4) interlaminated SILT and SILTY CLAY, layers 1" to 2" thick (CL)		- 38 -		19	2.0	9	1203	0.0	0.0	1203	N/A	N/A	1208 Sample SB-24 (38.0-38.5) for TCL VOC, TCL SVOC, TAL Metals, Total and amenable CN
		- -				10		0.0					
		- 39 -				11		0.0					
		- -				14		0.0					
		- 40 -											

LOG OF SOIL BORING SB-34

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER						
Halladay Street, Jersey City, New Jersey						020667601						
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED					
Advanced Drilling, Inc.			Jeremy Logel		04/14/05		04/14/05					
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)						
Hollow Stem Auger Rig, 4.25" Augers				55'		55'						
TYPE BIT		N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	24	UNDIST.	N/A	CORE	N/A
CASING		N/A		N/A		WATER DEPTH	FIRST	4'	COMPL.	N/A	24HR	N/A
CASING HAMMER		WEIGHT		N/A		DROP		N/A				
BORING LOCATION												
SAMPLER						2" diameter, 2' long split-spoon						
Forrest Street, side, west of Halladay Street												
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"				
INSPECTOR		Eric Gaulin										

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	(PPM)					
								Sample	Ambient Air	Time	Head Space	Time Date	
39.0-40.5' Reddish brown (2.5YR4/4) interlaminated SILT and SILTY CLAY, layers 1" to 2" thick (CL) 40.5-47.0' TILL: consisting of 60% angular medium grained black argillite and gray rock fragments, with dark reddish gray (2.5YR4/1) SILTY CLAY, CLAYEY SAND		- 40 -		20	1.25	14	1325	0.0	0.0	1325	N/A	N/A	Spoon refusal
		- - -			52		0.0						
		- 41 -			47		0.0						
		- - -			51								
		- 42 -		21	1.0	28	1329	0.0	0.0	1329	N/A	N/A	
		- - -			46		0.0						
		- 43 -			100/5"								
		- - -											
		- 44 -		22	1.5	25	1355	0.0	0.0	1355	N/A	N/A	
		- - -			47		0.0						
48.0-52.0' No spoons collect; augered to clear hole		- 45 -			63		0.0					Spoon refusal	
		- - -			28								
		- 46 -		23	1.0	51	1402	0.0	0.0	1402	N/A		N/A
		- - -			4		0.0						
		- 47 -			100/4"								
		- - -											
		- 48 -											
		- - -											
		- 49 -											
		- - -											
	- 50 -												

LOG OF SOIL BORING SB-34

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER				
Halladay Street, Jersey City, New Jersey					020667601				
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED				
Advanced Drilling, Inc.		Jeremy Logel	04/14/05		04/14/05				
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)				
Hollow Stem Auger Rig, 4.25" Augers			55'		55'				
TYPE BIT	N/A	SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST.	24	UNDIST.	N/A	CORE	N/A
CASING	N/A	N/A	WATER DEPTH	FIRST	4'	COMPL.	N/A	24HR	N/A
CASING HAMMER	WEIGHT	N/A	DROP	N/A	BORING LOCATION				
SAMPLER					Forrest Street, side, west of Halladay Street				
SAMPLER	2" diameter, 2' long split-spoon								
SAMPLER HAMMER	WEIGHT	140 lbs.	DROP	30"	INSPECTOR Eric Gaulin				

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
52.0-52.5 TILL: consisting of 60% angular medium grained black argillite and gray rock fragments, with dark reddish gray (2.5YR4/1) SILTY CLAY, CLAYEY SAND 55.0 Auger refusal, possibly bedrock; end of boring		- 50 -											
		- - -											
		- 51 -											
		- - -											
		- 52 -		24	0.5	100/6"	1428	0.0	0.0	1428	N/A	N/A	Spoon refusal
		- - -											
		- 53 -											
		- - -											
		- 54 -											
		- - -											
		- 55 -											
		- - -											
		- 56 -											
		- - -											
		- 57 -											
		- - -											
		- 58 -											
		- - -											
		- 59 -											
		- - -											
		- 60 -											

LOG OF SOIL BORING SB-35

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER			
Halladay Street, Jersey City, New Jersey						020667601			
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED		
Advanced Drilling, Inc.			Jeremy Logel		04/15/05		04/15/05		
DRILLING EQUIPMENT					COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)		
Hollow Stem Auger Rig, 4.25" Augers					50.0		not encountered		
TYPE BIT N/A			SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 24	UNDIST. N/A	CORE N/A	
CASING N/A			N/A		WATER DEPTH FIRST 4'		COMPL. N/A	24HR N/A	
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION			
SAMPLER 2" diameter, 2' long split-spoon						Forrest Street, side, west of Halladay Street			
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"		INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-2.0 No spoon collected, augered; 3" asphalt, 8" crushed stone		- 0 -											
		- -											
		- 1 -											
		- -											
2.0-3.0' FILL: consisting of rust colored fine to medium SAND, SILT, trace gravel		- 2 -		1	1.0	4	0826	0.0	0.0	0826	N/A	N/A	
		- -				6		0.0					
		- 3 -				7							
		- -				5							
4.0-6.2' FILL: Dark reddish brown (5YR3/4) silt and gravel		- 4 -		2	0.25	4	0835	0.0	0.0	0835	N/A	N/A	
		- -				4							
		- 5 -				3							
		- -				3							
6.2-8.2' Dark reddish brown (5YR3/4) fine SANDY SILT (SM) with slight lubricating oil odors, no staining		- 6 -		3	1.2	3	0837	0.0	0.0	0837	N/A	N/A	
		- -				1		1.2					
		- 7 -				1		3.5					
		- -				2		0.0					
8.2-13.0' Reddish yellow (5YR6/8) and reddish brown (2.5YR5/4) thinly interlaminated SILT and SILTY CLAY (CL) no odors		- 8 -		4	1.2	3	0838	0.0	0.0	0838	N/A	N/A	
		- -				4		0.0					
		- 9 -				5		0.0					
		- -				6		0.0					
		- 10 -											

LOG OF SOIL BORING SB-35

PROJECT LOCATION Halladay Street, Jersey City, New Jersey			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Jeremy Logel	DATE STARTED 04/15/05		DATE COMPLETED 04/15/05	
DRILLING EQUIPMENT Hollow Stem Auger Rig, 4.25" Augers			COMPLETION DEPTH (FT BGS) 50.0		ROCK DEPTH (FT) not encountered	
TYPE BIT N/A		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 24	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 4'	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	DROP N/A	BORING LOCATION			
SAMPLER 2" diameter, 2' long split-spoon			Forrest Street, side, west of Halladay Street			
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	(PPM)					
								Sample	Ambient Air	Time	Head Space	Time Date	
8.2-13.0' Reddish yellow (5YR6/8) and reddish brown (2.5YR5/4) thinly interlaminated SILT and SILTY CLAY (CL) no odors		- 10 -		5	1.0	4	0840	0.0	0.0	0840	N/A	N/A	
		- -				5		0.0					
		- 11 -				25							
		- -				6							
13.0-14.0' Yellowish red (5YR4/6) fine SILTY SAND and fine SAND (SM)		- 12 -		6	2.0	5	0845	0.0	0.0	0845	N/A	N/A	
		- -				6		0.0					
		- 13 -				4		0.0					
		- -				3		0.0					
14.0-17.0' Brown (7.5YR4/4) fine to coarse SAND, trace silt (SW), with occassional 1-2" bands of subrounded 1/8" gravel		- 14 -		7	2.0	12	0856	0.0	0.0	0856	N/A	N/A	
		- -				13		0.0					
		- 15 -				15		0.0					
		- -				18		0.0					
17.0-20.6' Brown (7.5YR4/4) fine to medium SAND with 75% subrounded gravel, trace silt (SW)		- 16 -		8	2.0	18	0859	0.0	0.0	0859	N/A	N/A	
		- -				19		0.0					
		- 17 -				22		0.0					
		- -				21		0.0					
		- 18 -		9	1.0	12	0918	0.0	0.0	0918	N/A	N/A	
		- -				15		0.0					
	- 19 -					17							
		- -				21							
		- 20 -											

LOG OF SOIL BORING SB-35

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER		
Halladay Street, Jersey City, New Jersey						020667601		
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.			Jeremy Logel		04/15/05		04/15/05	
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)		
Hollow Stem Auger Rig, 4.25" Augers				50.0		not encountered		
TYPE BIT N/A			SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 24	UNDIST. N/A	CORE N/A
CASING N/A			N/A		WATER DEPTH	FIRST 4'	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A		BORING LOCATION			
SAMPLER 2" diameter, 2' long split-spoon				Forrest Street, side, west of Halladay Street				
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"		INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
17.0-20.6' Brown (7.5YR4/4) fine to medium SAND with 75% subrounded gravel, trace silt (SW)		- 20 -		10	1.6	18	0934	0.0	0.0	0934	N/A	N/A	0936 Sample SB-35 (21.0-21.5) for TCL VOC, TCL SVOC, TAL Metals, Total and amenable CN
		- - -											
		- 21 -				17		0.0					
		- - -				19		0.0					
20.6-21.2' Reddish brown (2.5YR4/4) fine SILTY SAND (SM)		- 21 -											
		- - -											
		- 22 -				20							
		- - -											
21.2-21.6' Reddish brown (2.5YR4/4) fine to medium SAND (SW), trace SILT		- 22 -											
		- - -											
		- 23 -											
		- - -											
22.0-24.0' Reddish brown (2.5YR4/4) fine SANDY SILT (SM)		- 24 -		11	2.0	15	0941	0.0	0.0	0941	N/A	N/A	
		- - -											
		- 25 -				14		0.0					
		- - -				13		0.0					
24.0-25.0' Reddish brown (2.5YR4/4) fine SANDY SILT (SM) with trace of subangular to subrounded 1" gravel		- 26 -											
		- - -											
		- 27 -				12		0.0					
		- - -				14		0.0					
26.0-29.0' Reddish brown (2.5YR4/4) fine SANDY SILT (SM) with trace of subangular to subrounded 1" gravel		- 28 -		12	1.0	4	0956	0.0	0.0	0956	N/A	N/A	
		- - -											
		- 29 -				11		0.0					
		- - -				12							
29.0-30.0' Reddish brown (2.5YR4/4) fine to medium SILTY SAND (SM)		- 30 -											
		- - -											
		- 31 -				14							
		- - -				18		0.0					
		- 32 -											
		- - -											
		- 33 -				17		0.0					
		- - -				16		0.0					

LOG OF SOIL BORING SB-35

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER		
Halladay Street, Jersey City, New Jersey						020667601		
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.			Jeremy Logel		04/15/05		04/15/05	
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)		
Hollow Stem Auger Rig, 4.25" Augers				50.0		not encountered		
TYPE BIT N/A			SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 24	UNDIST. N/A	CORE N/A
CASING N/A			N/A		WATER DEPTH	FIRST 4'	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION		
SAMPLER 2" diameter, 2' long split-spoon				Forrest Street, side, west of Halladay Street				
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"		INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS	
				Number	Recov. (ft)	Penetr. BL/6in	Time	(PPM)						
								Sample	Ambient Air	Time	Head Space	Time Date		
30.0-33.0' Reddish brown (2.5YR4/4) fine to medium SILTY SAND (SM), with <5%		- 30 -		15	1.0	4	1031	0.0	0.0	1031	N/A	N/A		
		- - -				7		0.0						
		- 31 -				9								
		- - -				13								
		- 32 -		16	2.0	8	1037	0.0	0.0	1037	N/A	N/A		
		- - -				10		0.0						
	33.0-33.75' Reddish brown (2.5YR4/4) and reddish gray (2.5YR5/1) interlaminated SILT and SILTY CLAY		- 33 -				12		0.0					
			- - -				11		0.0					
			- 34 -		17	1.5	8	1059	0.0	0.0	1059	N/A	N/A	
	33.75-34.7' Reddish brown (2.5YR4/4) fine SILTY SAND (SM)		- - -				9		0.0					
			- 35 -				9		0.0					
			- - -				11							
34.7-41.3' Reddish brown (2.5YR4/4) fine SANDY SILT, trace silt (SM)		- 36 -		18	2.0	13	1103	0.0	0.0	1103	N/A	N/A		
		- - -				15		0.0						
		- 37 -				16		0.0						
		- - -				17		0.0						
		- 38 -		19	2.0	12	1109	0.0	0.0	1109	N/A	N/A	1110 Sample SB-35 (38.0-38.5) TCL VOC, TCL SVOC, TAL Metals, Total and amenable CN	
		- - -				10		0.0						
		- 39 -				8		0.0						
		- - -				6		0.0						
	- 40 -													

LOG OF SOIL BORING SB-35

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER		
Halladay Street, Jersey City, New Jersey						020667601		
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.			Jeremy Logel		04/15/05		04/15/05	
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)		
Hollow Stem Auger Rig, 4.25" Augers				50.0		not encountered		
TYPE BIT N/A			SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 24	UNDIST. N/A	CORE N/A
CASING N/A			N/A		WATER DEPTH	FIRST 4'	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A		BORING LOCATION			
SAMPLER 2" diameter, 2' long split-spoon				Forrest Street, side, west of Halladay Street				
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"		INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	(PPM)					
								Sample	Ambient Air	Time	Head Space	Time Date	
34.7-41.3' Reddish brown (2.5YR4/4) fine SANDY SILT, trace silt (SM)		- 40 -		20	2.0	18	1129	0.0	0.0	1129	N/A	N/A	
41.3-41.6' Reddish brown (2.5YR4/4) and reddish gray (2.5YR5/1) interlaminated SILT and SILTY CLAY		- 41 -				20		0.0					
41.6-42.5' Reddish brown (2.5YR4/4) loose SILTY CLAY (CL)		- 41 -				21		0.0					
		- 42 -				24		0.0					
		- 42 -		21	1.5	23	1131	0.0	0.0	1131	N/A	N/A	
42.5-42.9' Reddish brown (2.5YR4/4) fine SANDY SILT, trace clay (SM)		- 43 -				25		0.0					
42.9-43.5' Reddish brown (2.5YR5/3) fine to medium SAND, trace gravel, trace SILT (SW)		- 43 -				27		0.0					
		- 44 -				32							
44.0-48.5' Reddish brown (2.5YR4/4) and reddish gray (2.5YR5/1) interlaminated SILT and SILTY CLAY		- 44 -		22	1.75	32	1150	0.0	0.0	1150	N/A	N/A	1206 SB-35 (44.5-45.0) and SB-35 (44.5-45.0)D for TCL VOC, TCL SVOC, TAL Metals, Total and amendable CN
		- 45 -				45		0.0					
		- 45 -				43		0.0					
		- 46 -				46		0.0					
		- 46 -		23	2.0	40	1153	0.0	0.0	1153	N/A	N/A	
		- 47 -				52		0.0					
		- 47 -				54		0.0					
		- 48 -				49		0.0					
48.5-50.0' TILL: Reddish brown (2.5YR4/4) consisting of 90% gravel 1/8" with some sand, silt, gravel is black argillite, angular to subangular		- 48 -		24	2.0	38	1156	0.0	0.0	1156	N/A	N/A	
		- 49 -				53		0.0					
		- 49 -				51		0.0					
End of boring at 50'		- 50 -				41		0.0					
		- 50 -											



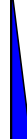
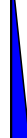
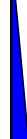
LOG OF SOIL BORING SB-36

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER						
Halladay Street, Jersey City, New Jersey						020667601						
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED					
Advanced Drilling, Inc.			Jeremy Logel		04/07/05		04/07/05					
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)						
Hollow Stem Auger Rig, 4.25" Augers				24.0		not encountered						
TYPE BIT		N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	12	UNDIST.	N/A	CORE	N/A
CASING		N/A		N/A		WATER DEPTH	FIRST	3.5'	COMPL.	N/A	24HR	N/A
CASING HAMMER		WEIGHT		N/A		DROP		N/A				
SAMPLER						BORING LOCATION						
2" diameter, 2' long split-spoon						Northern corner of Site						
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"				
						INSPECTOR						
						Eric Gaulin						

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	(PPM)					
								Sample	Ambient Air	Time	Head Space	Time Date	
0.0-0.5' FILL: Crushed stone		- 0 -		1	1.5	0	0939	0.0	0.0	0939	N/A	N/A	Boring through asphalt pavement
0.5'-1.5' FILL: consisting of brown (7.5YR5/3) fine to medium sand, trace silt, pieces of wood, gravel		- -				18		0.0					
		- 1 -				13		0.0					
		- -				12							
2.0-3.25' FILL: consisting of dark reddish brown (2.5YR3/4) fine to medium silty with dark reddish gray (2.5YR3/1) mottling - suspected chromate ore processing residue (COPR)		- 2 -		2	1.75	3	0942	0.0	0.0	0942	N/A	N/A	
		- -				4		0.0					
		- 3 -				7		0.0					
3.25-3.75' FILL: Greyish brown (10YR5/2) soft silty clay, silty sand		- -				8		0.0					
		- 4 -		3	1.0	1	0946	0.0	0.0	0946	N/A	N/A	
		- -				2		0.0					
	- 5 -				2								
4.0-7.25' FILL: Dark reddish brown (2.5YR3/4) fine to medium silty sand with mottling, suspected COPR		- -				2							
		- 6 -		4	1.25	1	0948	0.0	0.0	0948	N/A	N/A	Heavy OM staining, with naphthalene like odors from 8.5 from 10.25'
		- -				1		0.0					
	- 7 -				1		0.0						
8.0-11.0' FILL: Dark reddish brown (2.5YR3/4) fine to medium silty sand with mottling, suspected COPR, heavy OM staining at 8.5', with naphthalene like odors		- -				2							
		- 8 -		5	1.0	2	0959	0.0	0.0	0959	N/A	N/A	Positive dye test at 8.5' 1013 Sample SB-36 (8.5-9.0) TCL VOC, TCL SVOC, TAL Metals, Total and amenable CN
		- -				4		2.8					
		- 9 -				6		2.0					
		- -				2							
		- 10 -											

LOG OF SOIL BORING SB-36

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER					
Halladay Street, Jersey City, New Jersey						020667601					
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED				
Advanced Drilling, Inc.			Jeremy Logel		04/07/05		04/07/05				
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)					
Hollow Stem Auger Rig, 4.25" Augers				24.0		not encountered					
TYPE BIT N/A			SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	12	UNDIST.	N/A	CORE	N/A
CASING N/A			N/A		WATER DEPTH	FIRST	3.5'	COMPL.	N/A	24HR	N/A
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION					
SAMPLER 2" diameter, 2' long split-spoon						Northern corner of Site					
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"		INSPECTOR Eric Gaulin					

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	(PPM)					
								Sample	Ambient Air	Time	Head Space	Time Date	
8.0-11.0' FILL: Dark reddish brown (2.5YR3/4) fine to medium silty sand with mottling, suspected COPR		- 10 -										Heavy OM staining, with naphthalene like odors from 8.5 from 10.25'	
		6	1.0	4	1005	0.5	0.0	1005	N/A	N/A			
				4		1.8							
				5									
12.0-13.0' Reddish brown (5YR5/4) fine SILTY SAND, trace clay, trace fine gravel, soft		- 11 -										Suspected native soil; no staining or odors	
				4									
		- 12 -	7	1.0	3	1011	0.5	0.0	1011	N/A	N/A		
				4		1.0							
14.0-17.0' Reddish brown (2.5YR4/4) fine SILTY SAND, trace clay,very loose, wet		- 13 -										1027 Sample SB-36 (14.0-14.5) TCL VOC, TCL SVOC, TAL Metals, TCL Pesticides, Total and Amenable CN	
				4									
		- 14 -	8	1.25	4	1025	0.0	0.0	1025	N/A	N/A		
				5		0.0							
17.0-18.1' Greenish gray fine grained silt stone rock fragments		- 15 -											
				4		0.0							
		- 16 -	9	1.5	48	1040	0.0	0.0	1040	N/A	N/A		
				100/1"		0.0							
18.1-18.4' Bluish gray (GLE Y2 5/1) fine SAND (SP)		- 17 -											
						0.0							
		- 18 -	10	1.7	3	1042	0.0	0.0	1042	N/A	N/A		
18.4-19.1' Dark brown, tight, dry, fibrous PEAT (PT) with identifiable fibers up to 1/2" long, some silt and clay		- 19 -											
				3		0.0							
				2		0.0							
		- 20 -			4		0.0						
19.1-24.5' Dark greenish gray (GLE Y2 4/1) firm SILTY CLAY, organic with visible plant fibers (<1/4") (OH)													

LOG OF SOIL BORING SB-36

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER		
Halladay Street, Jersey City, New Jersey						020667601		
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.			Jeremy Logel		04/07/05		04/07/05	
DRILLING EQUIPMENT					COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
Hollow Stem Auger Rig, 4.25" Augers					24.0		not encountered	
TYPE BIT N/A			SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 12	UNDIST. N/A	CORE N/A
CASING N/A			N/A		WATER DEPTH	FIRST 3.5'	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A		BORING LOCATION			
SAMPLER 2" diameter, 2' long split-spoon					Northern corner of Site			
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"		INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
19.1-22.5' Dark greenish gray (GLE Y2 4/1) firm SILTY CLAY, organic with visible plant fibers (<1/4")		- 20 -											
			11	1.5	3	1046	0.0	0.0	1046	N/A	N/A		
		- -			3		0.0						
		- 21 -			3		0.0						
		- -			3								
		- 22 -											
End of boring at 24'. Drillers noted that hole had bowed, hole had to be relocated and drilled to 24'.				12	0.5	8	1055	0.0	0.0	1055	N/A	N/A	
		- -				12							
		- 23 -				13							
		- -				16							
		- 24 -											
		- -											
		- 25 -											
		- -											
		- 26 -											
		- -											
		- 27 -											
		- -											
		- 28 -											
		- -											
		- 29 -											
		- -											
		- 30 -											

LOG OF SOIL BORING SB-36A

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)			PROJECT NUMBER							
Halladay Street, Jersey City, New Jersey							020667601							
DRILLING CONTRACTOR			FOREMAN		DATE STARTED			DATE COMPLETED						
Advanced Drilling, Inc.			Jeremy Logel		04/07/05			04/07/05						
DRILLING EQUIPMENT					COMPLETION DEPTH (FT BGS)			ROCK DEPTH (FT)						
Hollow Stem Auger Rig, 4.25" Augers					52.0			not encountered						
TYPE BIT			N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	14	UNDIST.	N/A	CORE	N/A	
CASING			N/A		N/A		WATER DEPTH	FIRST	N/A	COMPL.	N/A	24HR	N/A	
CASING HAMMER		WEIGHT		N/A		DROP		N/A		BORING LOCATION				
SAMPLER						2" diameter, 2' long split-spoon		Northern corner of Site, step out of SB-36						
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"		INSPECTOR				Eric Gaulin

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
Step out boring of SB-36; no spoons collected from 0-24'		- 20 -											
		- -											
		- 21 -											
		- -											
		- 22 -											
		- -											
		- 23 -											
		- -											
		- 24 -											
		- -											
		- 25 -											
		- -											
		- 26 -											
		- -											
		- 27 -											
		- -											
		- 28 -											
		- -											
	- 29 -												
	- -												
	- 30 -												

LOG OF SOIL BORING SB-36A

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street, Jersey City, New Jersey					020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Jeremy Logel	04/07/05		04/07/05	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
Hollow Stem Auger Rig, 4.25" Augers			52.0		not encountered	
TYPE BIT N/A		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 14	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST N/A	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	DROP N/A	BORING LOCATION			
SAMPLER 2" diameter, 2' long split-spoon			Northern corner of Site, step out of SB-36			
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
30.0-31.5' Dark reddish gray (5YR4/2) fine to medium SAND, trace silt (SW), firm		- 30 -		4	2.0	12	1336	0.0	0.0	1336	N/A	N/A	
		- -											
		- 31 -				14		0.0					
		- -				27		0.0					
31.5-34.9' Yellowish red (5YR4/6) fine to coarse SAND, trace silt, trace 1" subangular gravel, with some areas of oxidation (SW)		- 32 -				25		0.0					
		- -		5	2.0	25	1346	0.0	0.0	1346	N/A	N/A	
		- 33 -				18		0.0					
		- -				20		0.0					
34.9-37.1' Reddish brown (2.5YR4/4) fine to medium SAND (SW)		- 34 -				19		0.0					
		- -		6	1.0	8	1401	0.0	0.0	1401	N/A	N/A	
		- 35 -				12		0.0					
		- -				15							
37.1-38.5' Red (2.5YR4/6) SILT (MH)		- 36 -				10							
		- -		7	2.0	8	1410	0.0	0.0	1410	N/A	N/A	
		- 37 -				13		0.0					
		- -				16		0.0					
		- 38 -				12		0.0					
		- -		8	0.5	1	1432	0.0	0.0	1432	N/A	N/A	
		- 39 -				1							
		- -				1							
		- 40 -				1							

LOG OF SOIL BORING SB-36A

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)				PROJECT NUMBER					
Halladay Street, Jersey City, New Jersey								020667601					
DRILLING CONTRACTOR			FOREMAN			DATE STARTED			DATE COMPLETED				
Advanced Drilling, Inc.			Jeremy Logel			04/07/05			04/07/05				
DRILLING EQUIPMENT					COMPLETION DEPTH (FT BGS)			ROCK DEPTH (FT)					
Hollow Stem Auger Rig, 4.25" Augers					52.0			not encountered					
TYPE BIT		N/A		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	14	UNDIST.	N/A	CORE	N/A	
CASING		N/A		N/A		WATER DEPTH	FIRST	N/A	COMPL.	N/A	24HR	N/A	
CASING HAMMER		WEIGHT		N/A		DROP		N/A		BORING LOCATION			
SAMPLER						2" diameter, 2' long split-spoon						Northern corner of Site, step out of SB-36	
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"		INSPECTOR			Eric Gaulin

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
40.0-49.6' Reddish brown (2.5YR4/4) fine SILTY SAND (SM), tight		- 40 -		9	2.0	4	1442	0.0	0.0	1442	N/A	N/A	
		- -				5		0.0					
		- 41 -				4		0.0					
		- -				6		0.0					
		- 42 -		10	2.0	5	1505	0.0	0.0	1505	N/A	N/A	
		- -				7		0.0					
		- 43 -				8		0.0					
		- -				9		0.0					
		- 44 -		11	2.0	3	1507	0.0	0.0	1507	N/A	N/A	
		- -				3		0.0					
		- 45 -				4		0.0					
		- -				7		0.0					
49.6-52.0' Red (2.5YR5/6) thinly interlaminated CLAY and SILTY CLAY (CL)		- 46 -		12	2.0	7	1510	0.0	0.0	1510	N/A	N/A	
		- -				8		0.0					
		- 47 -				9		0.0					
		- -				10		0.0					
		- 48 -		13	2.0	0	1536	0.0	0.0	1536	N/A	N/A	1539 Sample SB-36 (48.0-48.5) for TCL VOC, TCL SVOC, TAL Metals, TCL Pesticides, Total and amenable CN
		- -				0		0.0					
		- 49 -				3		0.0					
		- -				4		0.0					
		- 50 -											


LOG OF SOIL BORING SB-36A

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street, Jersey City, New Jersey					020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Jeremy Logel	04/07/05		04/07/05	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
Hollow Stem Auger Rig, 4.25" Augers			52.0		not encountered	
TYPE BIT	N/A	SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 14	UNDIST. N/A	CORE N/A
CASING	N/A	N/A	WATER DEPTH	FIRST N/A	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	DROP N/A	BORING LOCATION			
SAMPLER 2" diameter, 2' long split-spoon			Northern corner of Site, step out of SB-36			
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
49.6-52.0' Red (2.5YR5/6) thinly interlaminated CLAY and SILTY CLAY (CL) <													

LOG OF SOIL BORING SB-37

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			16.00		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/30/06		11/30/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			30		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 15	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 6.5	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	DROP N/A	BORING LOCATION: 510 ft NW projected along the center of Forrest Street from the intersection with Halladay Street, approx. 165 ft beyond end of Forrest Street.			
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
0.0-2.0 FILL: Consisting of brown fine to medium sand, little gravel, less than 1% reddish brown suspected chromate ore processing residue (COPR) pellets, some wood fragments, organic matter		- 0 -		1	0.4	100/6"	0918	0.0	0.0	0918	N/A	N/A	Spoon refusal @ 0.5-1.5', appeared to be a thick, buried concrete pad
		- -											
		- 1 -											
		- -											
2.0-4.1 FILL: Dusky red (10R 3/3) silt, with 50% COPR pellets		- 2 -		2	1.1	3	0929	0.0	0.0	0929	N/A	N/A	
		- -				2		0.0	0.0				
		- 3 -				2		0.0	0.0				
		- -				2							
4.1-8.0 Reddish brown (5YR5/4) CLAYEY SAND (SC) and SILT (ML), 1% gravel 1/4" to 1/2" in size		- 4 -		3	0.9	2	0934	0.0	0.0	0934	N/A	N/A	
		- -				2		0.0	0.0				
		- 5 -				2							
		- -				2							
8.0-10.0 Reddish brown (5YR5/3) CLAYEY SAND (SC) and SILT (ML), 5% gravel, 1/8" in size		- 6 -		4	1.5	2	0937	0.0	0.0	0937	N/A	N/A	Sample SB-37(8.5-9.0) collected at 0945 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
		- -				2		0.0	0.0				
		- 7 -				3		0.0	0.0				
		- -				2							
		- 8 -		5	1.2	2	0940	0.0	0.0	0940	N/A	N/A	
	- -					2		0.0	0.0				
	- 9 -					3		0.0	0.0				
	- -					3							
		- 10 -											

LOG OF SOIL BORING SB-37

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			16.00		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/30/06		11/30/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			30		not encountered	
TYPE BIT	Hollow-stem auger	SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 15	UNDIST. N/A	CORE N/A
CASING	N/A	N/A	WATER DEPTH	FIRST 6.5	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	DROP N/A	BORING LOCATION: 510 ft NW projected along the center of Forrest Street from the intersection with Halladay Street, approx. 165 ft beyond end of Forrest Street.			
SAMPLER	2" diameter, 2' long split-spoon					
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	(PPM)					
								Sample	Ambient Air	Time	Head Space	Time Date	
10.0-14.0 Reddish brown (5YR5/3) CLAYEY SAND (SC) and SILT (ML), up to 25% gravel, 1/8" in size, loose, odors and sheen on water		- 10 -		6	0.6	3	0958	0.0	0.0	0958	N/A	N/A	Sheen and fuel oil / diesel odors from 10 to 14 feet
		- -				5		0.0	0.0				
		- 11 -				10		0.0	0.0				
		- -				7							
		- 12 -		7	0.9	7	1000	0.0	0.0	1000	N/A	N/A	
14.0-16.6 Reddish brown (5YR5/3) CLAYEY SAND (SC) and SILT (ML), up to 25% gravel, 1/8" in size, more solid, odors/sheen do not penetrate this interval		- -				11		0.0	0.0			Dye test positive 12.0 to 12.5 at 1002 Sample SB-37(12.5-13.0) collected at 1003 for TCL VOC, TCL SVOC, TAL Metal, Total and Amenable CN, and GC Fingerprint	
		- 13 -				12							
		- -				6							
		- 14 -		8	0.5	6	1012	0.0	0.0	1012	N/A		N/A
		- -				6							
16.6-16.8 Green siltstone cobble fragments		- 15 -				7						No odors or staining in this spoon	
		- -				6							
		- 16 -		9	1.3	4	1018	0.0	0.0	1018	N/A		N/A
		- -				4		0.0	0.0				
		- 17 -				5		0.0	0.0				
16.8-17.0 Reddish brown (2.5YR5/3) fine SILTY SAND (SM)		- -				5						Anaerobic swampy odors	
17.0-18.0 Reddish brown (2.5YR5/3) fine SANDY SILT (ML), with some cobble fragments		- 18 -		10	1.7	4	1026	0.0	0.0	1026	N/A		N/A
18.0-19.2 Brown fibrous PEAT (PT)		- -				4		0.0	0.0				
19.2-19.7 Very dark greenish gray (GLEY1 3/1 10Y) organic SILTY CLAY (OL)		- 19 -				5		0.0	0.0				
		- 20 -				7		0.0	0.0				

LOG OF SOIL BORING SB-37

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			16.00		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/30/06		11/30/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			30		not encountered	
TYPE BIT	Hollow-stem auger	SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 15	UNDIST. N/A	CORE N/A
CASING	N/A	N/A	WATER DEPTH	FIRST 6.5	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	DROP N/A	BORING LOCATION: 510 ft NW projected along the center of Forrest Street from the intersection with Halladay Street, approx. 165 ft beyond end of Forrest Street.			
SAMPLER	2" diameter, 2' long split-spoon					
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
20.0-23.4 Greenish gray (GLE Y1 6/1 5G) CLAYEY SILT (ML)		- 20 -		11	1.5	4	1030	0.0	0.0	1030	N/A	N/A	Samples SB-37(20.5-21.5) and SB-37(20.5-21.5)D collected at 1032 for TCL VOC, TCL SVOC, TAL Metals, total and Amenable CN
		- -				4		0.0	0.0				
		- 21 -				4		0.0	0.0				
		- -				4							
23.4-26.9 Very dark greenish gray (GLE Y1 3/1 5GY) SILTY CLAY (CL)		- 22 -		12	1.7	2	1036	0.0	0.0	1036	N/A	N/A	Faint fuel oil / diesel-like odors in top 17" of this spoon
		- -				3		0.0	0.0				
		- 23 -				2		0.0	0.0				
		- -				2		0.0	0.0				
		- 24 -		13	1.6	3	1044	0.0	0.0	1044	N/A	N/A	No odors this spoon
		- -				3		0.0	0.0				
		- 25 -				3		0.0	0.0				
		- -				3		0.0	0.0				
26.9-27.1 Olive gray (5Y5/2) fine to medium SILTY SAND (SM)		- 26 -		14	1.9	3	1049	0.0	0.0	1049	N/A	N/A	No odors this spoon
		- -				4		0.0	0.0				
27.1-27.3 Very dark greenish gray (GLE Y1 3/1 5GY) fine SAND (SP)		- 27 -				3							No odors this spoon
27.3-28.5 Reddish brown (5YR5/4) fine to medium SAND (SW), trace silt, 10% rounded gravel, 1/4"-1/2"		- 28 -				3							
28.5-29.3 Yellowish red (5YR5/8) fine to medium SAND (SW), trace silt, 10% gravel consisting of significant red sandstone fragments		- -		15	1.3	4	1053	0.0	0.0	1053	N/A	N/A	
		- 29 -				4		0.0	0.0				
		- -				5		0.0	0.0				
END OF BORING AT 30 feet bgs		- 30 -				5		0.0	0.0				Sample SB-37(29.0-29.5) collected at 1058 for TCL SVOC, TCL VOC, TAL Metals, Total and Amenable CN

LOG OF SOIL BORING SB-39

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			14.82		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/20/06		11/21/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			48		not encountered	
TYPE BIT	Hollow-stem auger	SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 22	UNDIST. N/A	CORE N/A
CASING	N/A	N/A	WATER DEPTH	FIRST 2.5	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A		BORING LOCATION: 59 ft behind curb on west side of Carteret Avenue, 300 ft NW	
SAMPLER		2" diameter, 2' long split-spoon		from the western corner of the Halladay St. / Carteret Ave. intersection.		
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
Cleared via hand digging to 4'; boring through asphalt; Fill consisted of reddish brown sand, chromate ore processing residue (COPR), including reddish ore pellets		- 0 -											
		- -											
		- 1 -											
		- -											
4.0-6.5 FILL: greenish grayish silt, suspected COPR		- 2 -											
		- -											
		- 3 -											
		- -											
6.5-16.4 FILL: Reddish gray silt, with greenish gray COPR interspersed		- 4 -		1	1.8	3	1436	0.0	0.0	1436	N/A	N/A	
		- -				5		0.0	0.0				
		- 5 -				6		0.0	0.0				
		- -				4		0.0	0.0				
		- 6 -		2	1.5	3	1437	0.0	0.0	1437	N/A	N/A	
		- -				4		0.0	0.0				
		- 7 -				4		0.0	0.0				
		- -				4							
		- 8 -		3	2.0	2	1446	0.0	0.0	1446	N/A	N/A	
		- -				2		0.0	0.0				
		- 9 -				1		0.0	0.0				
		- -				1		0.0	0.0				
		- 10 -											

LOG OF SOIL BORING SB-39

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			14.82		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/20/06		11/21/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			48		not encountered	
TYPE BIT	Hollow-stem auger	SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 22	UNDIST. N/A	CORE N/A
CASING	N/A	N/A	WATER DEPTH	FIRST 2.5	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A		BORING LOCATION: 59 ft behind curb on west side of Carteret Avenue, 300 ft NW	
SAMPLER		2" diameter, 2' long split-spoon		from the western corner of the Halladay St. / Carteret Ave. intersection.		
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
6.5-16.4 FILL: Reddish gray silt, with greenish gray COPR interspersed		- 10 -		4	1.3	0.5	1450	0.0	0.0	1450	N/A	N/A	Fishy, ammonia-like odors through out
		- -			0.5		0.0	0.0					
		- 11 -			0.5		0.0	0.0					
		- -			0.5		0.0	0.0					
		- 12 -		5	1.8	1	1453	0.0	0.0	1453	N/A	N/A	Fishy, ammonia-like odors through out
		- -			1		0.0	0.0					
		- 13 -			1		0.0	0.0					
		- -			2		0.0	0.0					
		- 14 -		6	1.6	3	1503	1.4	0.0	1503	N/A	N/A	Fishy, ammonia-like odors through out
		- -			4		1.0	0.0					
		- 15 -			2		2.0	0.0					
		- -			1								
16.4-16.6 Brown organic matter, with black staining		- 16 -		7	1.1	1	1520	1.2	0.0	1520	N/A	N/A	Sample SB-39(16.5-17.0) collected at 1514 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
		- -			6		4.3	0.0					
		- 17 -			3		3.9	0.0					
		- -			2								
16.6-24.0 Very dark greenish gray (GLE1 3/1 10Y) organic CLAY (OH), 1% peat fibers		- 18 -		8	1.8	1	1523	7.4	0.0	1523	N/A	N/A	Anaerobic, swampy odors
		- -			1		8.3	0.0					
		- 19 -			1		13.4	0.0					
		- -			1		13.7	0.0					
		- 20 -											

LOG OF SOIL BORING SB-39

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER				
Halladay Street , Jersey City, NJ			14.82		020667601				
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED				
Advanced Drilling, Inc.		Roger Logel	11/20/06		11/21/06				
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)				
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			48		not encountered				
TYPE BIT	Hollow-stem auger	SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST.	22	UNDIST.	N/A	CORE	N/A
CASING	N/A	N/A	WATER DEPTH	FIRST	2.5	COMPL.	N/A	24HR	N/A
CASING HAMMER	WEIGHT	N/A	DROP	N/A	BORING LOCATION: 59 ft behind curb on west side of Carteret Avenue, 300 ft NW from the western corner of the Halladay St. / Carteret Ave. intersection.				
SAMPLER	2" diameter, 2' long split-spoon								
SAMPLER HAMMER	WEIGHT	140 lbs.	DROP	30"	INSPECTOR Eric Gaulin				

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time	
												Date	
16.6-24.0 Very dark greenish gray (GLE Y1 3/1 10Y) organic CLAY (OH), 1% peat fibers		- 20 -		9	1.4	1	1531	8.8	0.0	1531	N/A	N/A	Anaerobic, swampy odors
		- -				1		9.9	0.0				
		- 21 -				1		3.9	0.0				
		- -				1							
24.0-25.1 Dark greenish gray (GLE Y1 4/1 5G) fine SANDY SILT (ML), very tight		- 22 -		10	1.5	1	1536	2.6	0.0	1536	N/A	N/A	No odors this spoon
		- -				1		0.0	0.0				
		- 23 -				1		0.0	0.0				
		- -				1							
25.1-26.4 Reddish brown (2.5YR4/4) fine to medium SAND (SW), trace fine gravel, 1/4" well rounded		- 24 -		11	1.4	2	1543	0.7	0.0	1543	N/A	N/A	No odors this spoon
		- -				3		2.4	0.0				
		- 25 -				3		0.8	0.0				
		- -				2							
26.4-26.8 Grayish red (2.5YR4/4) fine to medium SILTY SAND (SM)		- 26 -		12	1.2	3	1545	0.0	0.0	1545	N/A	N/A	No odors this spoon
		- -				4		0.0	0.0				
		- 27 -				4		0.0	0.0				
		- -				6							
26.8-30.0 Reddish brown (2.5YR4/4) fine to medium SAND (SW), trace fine gravel, 1/4" well rounded		- 28 -		13	1.1	4	1550	0.0	0.0	1550	N/A	N/A	No odors this spoon
		- -				3		0.0	0.0				
		- 29 -				3		0.0	0.0				
		- -				3							
		- 30 -											Drilling ended here 11 20-06

LOG OF SOIL BORING SB-39

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			14.82		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/20/06		11/21/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			48		not encountered	
TYPE BIT	Hollow-stem auger	SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 22	UNDIST. N/A	CORE N/A
CASING	N/A	N/A	WATER DEPTH	FIRST 2.5	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	BORING LOCATION: 59 ft behind curb on west side of Carteret Avenue, 300 ft NW from the western corner of the Halladay St. / Carteret Ave. intersection.			
SAMPLER		2" diameter, 2' long split-spoon				
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"		INSPECTOR Eric Gaulin	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
30.0-44.0 Reddish brown (2.5Y4/4) fine SANDY SILT (ML)		- 30 -		14	1.0	3	0831	0.0	0.0	0831	N/A	N/A	Drilling resumed here 11-21-06
		- - -			4		0.0	0.0					
		- 31 -			4								
		- - -			4								
		- 32 -		15	1.7	4	0837	0.0	0.0	0837	N/A	N/A	
		- - -			4		0.0	0.0					
		- 33 -			4		0.0	0.0					
		- - -			6		0.0	0.0					
		- 34 -		16	1.7	3	0846	0.0	0.0	0846	N/A	N/A	
		- - -			4		0.0	0.0					
		- 35 -			4		0.0	0.0					
		- - -			4		0.0	0.0					
		- 36 -		17	2.0	3	0849	0.0	0.0	0849	N/A	N/A	
		- - -			3		0.0	0.0					
		- 37 -			4		0.0	0.0					
		- - -			5		0.0	0.0					
		- 38 -		18	1.6	2	0859	0.0	0.0	0859	N/A	N/A	Sample SB-39(36.0- 37.0) and SB-39(36.0- 37.0)D collected at 0852 for TCLVOC,TCL SVOC, TAL Metals, and Total and Amenable CN
		- - -			2		0.0	0.0					
		- 39 -			2		0.0	0.0					
		- - -			2		0.0	0.0					
		- 40 -											

LOG OF SOIL BORING SB-39

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			14.82		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/20/06		11/21/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			48		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 22	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 2.5	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A	BORING LOCATION: 59 ft behind curb on west side of Carteret Avenue, 300 ft NW from the western corner of the Halladay St. / Carteret Ave. intersection.		
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
30.0-44.0 Reddish brown (2.5Y4/4) fine SANDY SILT (ML)		- 40 -		19	1.8	2	0926	0.0	0.0	0926	N/A	N/A	
		- - -				3		0.0	0.0				
		- 41 -				3		0.0	0.0				
		- - -				3		0.0	0.0				
		- 42 -		20	2.0	3	0928	0.0	0.0	0928	N/A	N/A	
		- - -				3		0.0	0.0				
		- 43 -				3		0.0	0.0				
		- - -				3		0.0	0.0				
44.0-48.0 Reddish brown (2.5Y4/4) fine SILTY SAND (SM)		- 44 -		21	1.6	3	0935	0.0	0.0	0935	N/A	N/A	
		- - -				4		0.0	0.0				
		- 45 -				4		0.0	0.0				
		- - -				4		0.0	0.0				
		- 46 -		22	2.0	3	0940	0.0	0.0	0940	N/A	N/A	
		- - -				4		0.0	0.0				Sample SB-39(47.5- 48.0) collected at 0944 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
		- 47 -				3		0.0	0.0				
		- - -				5		0.0	0.0				
END OF BORING AT 48 Feet bgs		- 48 -											
		- - -											
		- 49 -											
		- - -											
		- 50 -											



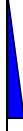

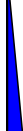
LOG OF SOIL BORING SB-40

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			12.12		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/21/06		11/22/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			56		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 27	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 4.5	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A	BORING LOCATION: Eastern shoulder of Halladay Street, 30 ft NE from the eastern corner of the Halladay Street / Carteret Avenue intersection.		
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
Cleared via hand digging to 4'; boring through asphalt; Fill consisted of brownish red sandy fill with visible red chromate ore processing residue (COPR) pellets		- 0 -											
		- -											
		- 1 -											
		- -											
		- 2 -											
		- -											
		- 3 -											
		- -											
4.0-6.0 FILL: consisting of reddish brown gravel, clay, black clinker		- 4 -		1	0.9	3	1249	0.0	0.0	1249	N/A	N/A	No odors or other evidence of contamination
		- -				4		0.0	0.0				
		- 5 -				6		0.0	0.0				
		- -				4							
6.0-8.0 FILL: consisting of clinkers and gravel		- 6 -		2	0.7	3	1252	0.0	0.0	1252	N/A	N/A	No odors or other evidence of contamination
		- -				2		0.0	0.0				
		- 7 -				2							
		- -				4							
8.0-10.0 FILL: consisting of grayish black fine silty sand, some ash, some organic matter		- 8 -		3	0.9	2	1255	0.0	0.0	1255	N/A	N/A	No odors or other evidence of contamination
		- -				2		0.0	0.0				
		- 9 -				3							
		- -				3							
		- 10 -											

LOG OF SOIL BORING SB-40

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER									
Halladay Street , Jersey City, NJ			12.12		020667601									
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED								
Advanced Drilling, Inc.		Roger Logel		11/21/06		11/22/06								
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)								
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers				56		not encountered								
TYPE BIT		Hollow-stem auger		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	27	UNDIST.	N/A	CORE	N/A		
CASING		N/A		N/A		WATER DEPTH	FIRST	4.5	COMPL.	N/A	24HR	N/A		
CASING HAMMER		WEIGHT		N/A		BORING LOCATION: Eastern shoulder of Halladay Street, 30 ft NE from the eastern corner of the Halladay Street / Carteret Avenue intersection.								
SAMPLER		2" diameter, 2' long split-spoon												
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"					INSPECTOR	Eric Gaulin

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS	
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date		
10.0-10.3 FILL: same as above (SAA), with black staining and oil-like odors		- 10 -		4	1.0	2	1304	0.1	0.0	1304	N/A	N/A	Sample SB-40(10.0-10.5) collected at 1305 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN. Positive dye test from 10.0 to 10.5; tar-like odors	
- -						1		0.0	0.0					
10.3-14.8 Weak red (2.5YR4/2) fine SILTY SAND (SM)		- 11 -					2							
- -							2							
		- 12 -		5	1.0	2	1306	0.0	0.0	1306	N/A	N/A		
		- -					1		0.0	0.0				
		- 13 -					1							
		- -					2							
14.8-16.0 brownish PEAT (PT), very fibrous		- 14 -		6	1.0	2	1314	0.1	0.0	1314	N/A	N/A	Anaerobic, swampy odors	
		- -					2		0.1	0.0				
		- 15 -					2							
		- -					2							
16.0-19.3 SAA, becoming higher in dark greenish gray (GLEYS 1 4/1 GY) CLAY (OH) content (50%) at bottom		- 16 -		7	1.5	2	1316	10.2	0.0	1316	N/A	N/A	Anaerobic, swampy odors	
		- -					1		10.5	0.0				
		- 17 -					2		22.3	0.0				
		- -					2							
19.3-20.6 Gray (GLEYS 1 5/N) SILTY CLAY (CL)		- 18 -		8	1.7	1	1320	14.0	0.0	1320	N/A	N/A	Anaerobic, swampy odors	
		- -					2		8.5	0.0				
		- 19 -					1		4.7	0.0				
		- -					2		4.0	0.0				
		- 20 -												

LOG OF SOIL BORING SB-40

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER			
Halladay Street , Jersey City, NJ			12.12		020667601			
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED			
Advanced Drilling, Inc.		Roger Logel	11/21/06		11/22/06			
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)			
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			56		not encountered			
TYPE BIT		Hollow-stem auger	SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 27	UNDIST. N/A	CORE N/A
CASING		N/A	N/A		WATER DEPTH	FIRST 4.5	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A		BORING LOCATION: Eastern shoulder of Halladay Street, 30 ft NE from the eastern corner of the Halladay Street / Carteret Avenue intersection.			
SAMPLER			2" diameter, 2' long split-spoon					
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"		INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
19.3-20.6 Gray (GLE Y1 5/N) SILTY CLAY (CL)		- 20 -		9	1.4	2	1331	1.0	0.1	1331	N/A	N/A	Anaerobic, swampy odors
20.6-23.1 Gray (GLE Y1 5/N) fine to medium SILTY SAND (SM), trace clay		- -				3		0.8	0.0				
		- 21 -				5		0.1	0.0				
		- -				5							
		- 22 -											
23.1-24.0 fine to medium SAND (SW), 10% angular to subangular gravel		- -		10	1.9	5	1334	0.4	0.2	1334	N/A	N/A	Anaerobic, swampy odors
		- -				7		1.0	0.0				
		- 23 -				7		1.4	0.0				
		- -				8		0.3	0.0				
24.0-26.0 Reddish brown (2.5YR4/4) fine to medium SAND (SW), trace coarse sand, trace silt		- 24 -		11	2.0	5	1350	2.1	0.0	1350	N/A	N/A	Faint naphthalene-like odors, no sheen, no staining, no product; odors on groundwater
		- -				5		1.0	0.0				
		- 25 -				5		0.4	0.0				
		- -				7		0.4	0.0				
26.0-26.8 Reddish brown (2.5YR4/4) fine to medium SAND (SW), trace silt		- 26 -		12	1.5	6	1400	1.3	0.0	1400	N/A	N/A	Faint naphthalene-like odors, no sheen, no staining, no product; odors on groundwater
		- -				6		4.8	0.0				
	26.8-34.4 Reddish brown (2.5YR4/4) fine SILTY SAND (SM)	- 27 -				7		1.4	0.0				
		- -				6							
		- 28 -		13	0.8	3	1416	1.0	0.0	1416	N/A	N/A	Faint naphthalene-like odors, no sheen, no staining, no product; odors on groundwater
		- -				4		3.0	0.0				
	- 29 -				4								
	- -				4								
		- 30 -											

LOG OF SOIL BORING SB-40

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER			
Halladay Street , Jersey City, NJ			12.12		020667601			
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED			
Advanced Drilling, Inc.		Roger Logel	11/21/06		11/22/06			
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)			
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			56		not encountered			
TYPE BIT		Hollow-stem auger	SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 27	UNDIST. N/A	CORE N/A
CASING		N/A	N/A		WATER DEPTH	FIRST 4.5	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A		BORING LOCATION: Eastern shoulder of Halladay Street, 30 ft NE from the eastern corner of the Halladay Street / Carteret Avenue intersection.			
SAMPLER			2" diameter, 2' long split-spoon					
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"		INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
26.8-34.4 Reddish brown (2.5YR4/4) fine SILTY SAND (SM)		- 30 -		14	1.1	4	1431	2.2	0.0	1431	N/A	N/A	Faint naphthalene-like odors, no sheen, no staining, no product; odors on groundwater; sample SB-40(30.5-31.0) collected at 1433 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
		- -			4		13.1	0.0					
		- 31 -			5		4.5	0.0					
		- -			4		8.0	0.0					
34.4-36.0 Reddish brown (2.5YR4/4) fine SANDY SILT (ML)		- 32 -		15	1.5	3	1450	0.0	0.0	1450	N/A	N/A	Faint naphthalene-like odors, no sheen, no staining, no product; odors on groundwater
		- -			5		0.0	0.0					
		- 33 -			5		0.0	0.0					
		- -			7								
36.0-44.1 Reddish brown (2.5YR4/4) fine SANDY SILT (ML) and fine silty sand		- 34 -		16	1.2	5	1453	0.0	0.0	1453	N/A	N/A	Faint naphthalene-like odors, no sheen, no staining, no product; odors on groundwater
		- -			5		1.4	0.0					
		- 35 -			6		0.0	0.0					
		- -			6								
		- 36 -		17	1.6	5	1455	0.0	0.0	1455	N/A	N/A	Faint naphthalene-like odors, no sheen, no staining, no product; odors on groundwater
		- -			6		0.0	0.0					
		- 37 -			6		0.0	0.0					
		- -			5								
		- 38 -		18	0.9	4	1459	2.1	0.0	1459	N/A	N/A	No odors noted in this spoon
		- -			5		3.1	0.0					
		- 39 -			5								
		- -			6								
		- 40 -											Drilling ended here 11-21-06

LOG OF SOIL BORING SB-40

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER		
Halladay Street , Jersey City, NJ				12.12		020667601		
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED		
Advanced Drilling, Inc.		Roger Logel		11/21/06		11/22/06		
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)		
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers				56		not encountered		
TYPE BIT	Hollow-stem auger		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 27	UNDIST. N/A	CORE N/A
CASING	N/A		N/A		WATER DEPTH	FIRST 4.5	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A		BORING LOCATION: Eastern shoulder of Halladay Street, 30 ft NE from the eastern corner of the Halladay Street / Carteret Avenue intersection.			
SAMPLER		2" diameter, 2' long split-spoon						
SAMPLER HAMMER	WEIGHT	140 lbs.	DROP 30"		INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
36.0-44.1 Reddish brown (2.5YR4/4) fine SANDY SILT (ML) and fine silty sand		- 40 -		19	1.5	4	0829	0.0	0.0	0829	N/A	N/A	Drilling resumed here on 11-22-06
		- -				5		0.0	0.0				
		- 41 -				4		4.0	0.0				Black brown oil material (OM) from 41.3 to 44.1; positive dye test at 42.5-43.0
		- -				4							
		- 42 -		20	1.0	3	0835	63	0.0	0835	N/A	N/A	Sample SB-40(42.5-43.0) collected at 850 for TCL SVOC, TCL VOC, TAL Metals, Total and Amenable CN
		- -				4		72	0.0				
		- 43 -				4							
		- -				4							
		- 44 -											
		- -											
44.1-47.2 Reddish brown (2.5YR4/4) fine SILTY SAND (SM)		- 44 -		21	1.1	2	913	1.2	0.0	913	N/A	N/A	
		- -				2		0.6	0.0				
		- 45 -				2							
		- -				2							
		- 46 -		22	1.3	2	0918	0.0	0.0	0918	N/A	N/A	Heavy black brown OM sheen and odors from 46.9 to 47.2
		- -				2		0.0	0.0				
		- 47 -				3		0.0	0.0				Sample SB-40(47.0-47.5) collected at 0926 for TCL SVOC, TCL VOC, TAL Metals, Total and Amenable CN
		- -				3							
		- 48 -		23	1.0	3	0930	0.0	0.0	0930	N/A	N/A	No odors this spoon
		- -				3		0.0	0.0				
47.2-48.3 Reddish brown (2.5YR4/4) fine SANDY SILT (ML)		- 49 -				3							
		- -				4							
		- 50 -											
		- -											
48.3-55.4 Reddish brown (2.5YR4/4) and occasionally thinly interlaminated SILT (ML) and SILT CLAY (CL), with a 1" band of fine sand at 48.5		- -											
		- 50 -											

LOG OF SOIL BORING SB-40

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER								
Halladay Street , Jersey City, NJ			12.12		020667601								
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED							
Advanced Drilling, Inc.		Roger Logel		11/21/06		11/22/06							
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)							
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers				56		not encountered							
TYPE BIT		Hollow-stem auger		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	27	UNDIST.	N/A	CORE	N/A	
CASING		N/A		N/A		WATER DEPTH	FIRST	4.5	COMPL.	N/A	24HR	N/A	
CASING HAMMER		WEIGHT		N/A		BORING LOCATION: Eastern shoulder of Halladay Street, 30 ft NE from the eastern corner of the Halladay Street / Carteret Avenue intersection.							
SAMPLER		2" diameter, 2' long split-spoon											
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"		INSPECTOR			Eric Gaulin

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
48.3-55.4' Reddish brown (2.5YR4/4) and occasionally thinly interlaminated SILT (ML) and SILT CLAY (CL), with a 1" band of fine sand at 48.5		- 50 -											
			25	0.9	4	0951	0.0	0.0	0951	N/A	N/A		
		- - -			4		0.0	0.0					
		- 51 -			4		0.0	0.0					
		- - -			4								
		- 52 -		26	1.2	3	1000	0.0	0.0	1000	N/A	N/A	Sample SB-40(55.0-55.5) collected at 1020 for TCL SVOC, TCL VOC, TAL Metals, Total and Amenable CN
		- - -			4		0.0	0.0					
		- 53 -			4								
		- - -			3								
		- 54 -		27	1.4	3	1018	0.0	0.0	1018	N/A	N/A	
		- - -			3		0.0	0.0					
		- 55 -			4								
		- - -			4								
		- 56 -											
		- - -											
		- 57 -											
		- - -											
		- 58 -											
		- - -											
		- 59 -											
		- - -											
	- 60 -												
End of Boring at 56'													

LOG OF SOIL BORING SB-41

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			13.03		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/17/06		11/17/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			24		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 10	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 4	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A	BORING LOCATION: Eastern shoulder of Halladay Street, 124 ft SW from the southern corner of the Halladay Street / Carteret Avenue intersection.		
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
Cleared via hand digging to 4'; boring through asphalt; Fill consisted of fluffy ash, with particles resembling shell fragments		- 0 -											
		- -											
		- 1 -											
		- -											
		- 2 -											
		- -											
		- 3 -											
		- -											
4.0-8.0 FILL: consisting of ash material (AM), fine black gravel, clinker material (CM)		- 4 -		1	1.8	7	0838	0.0	0.0	0838	N/A	N/A	No odors or other evidence of contamination
		- -				10		0.0	0.0				
		- 5 -				8		0.0	0.0				
		- -				7							
		- 6 -		2	2.0	6	0843	0.0	0.0	0843	N/A	N/A	No odors or other evidence of contamination
		- -				8		0.0	0.0				
		- 7 -				8		0.0	0.0				
		- -				6		0.0	0.0				
8.0-10.3 FILL: consisting of bright green, yellow, gray silty sand material, suspected chromate ore processing residue (COPR)		- 8 -		3	2.0	4	0856	0.0	0.0	0856	N/A	N/A	No odors or other evidence of contamination
		- -				5		0.0	0.0				
		- 9 -				5		0.0	0.0				
		- -				6		0.0	0.0				
		- 10 -											

LOG OF SOIL BORING SB-41

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			13.03		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/17/06		11/17/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			24		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 10	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 4	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A	BORING LOCATION: Eastern shoulder of Halladay Street, 124 ft SW from the southern corner of the Halladay Street / Carteret Avenue intersection.		
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
8.0-10.3 FILL: consisting of bright green, yellow, gray silty sand material, suspected chromate ore processing residue (COPR)		- 10 -		4	1.3	4	0901	0.0	0.0	0901	N/A	N/A	Staining, with oil-like, tar-like odors from 10.3 to 12.8;
		- -			3		4.2	0.0					
		- 11 -			1		1.3	0.0					
10.3-12.8 FILL: grayish brown sand, with some organic matter, some staining, with oil-like and tar-like odors		- -			8								Dye test from 12.0-12.5 was negative
		- 12 -		5	1.8	1	0909	1.8	0.0	0909	N/A	N/A	
		- -			1		0.9	0.0					
12.8-14.1 Reddish brown (2.5YR4/4) fine to medium SILTY SAND (SM), trace clay ; no odors or staining this interval		- 13 -			2			0.0	0.0				
		- -			2			0.0	0.0				
		- 14 -		6	2.0	7	0918	0.0	0.0	0918	N/A	N/A	
14.1-14.9 brownish PEAT (PT), very fibrous		- -			10			0.0	0.0				Anaerobic, swampy odors
		- 15 -			8			0.0	0.0				
		- -			7			0.0	0.0				
14.9-18.0 Dark greenish gray (GLEY1 4/1 5GY) organic CLAY (OH), with less than 2% peat fragments		- 16 -		7	1.5	1	0924	0.0	0.0	0924	N/A	N/A	Anaerobic, swampy odors Sample SB-41(17.0-17.5) collected at 926 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
		- -			2			0.0	0.0				
		- 17 -			2			0.0	0.0				
18.0-22.8 Very dark greenish gray (GLEY1 4/1 5GY) organic CLAY (OH), with less than 1% peat fragments		- -			2								Anaerobic, swampy odors
		- 18 -		8	2.0	1	0930	0.0	0.0	0930	N/A	N/A	
		- -			2			0.0	0.0				
		- 19 -			2			0.0	0.0				
		- -			3			0.0	0.0				
		- 20 -											

LOG OF SOIL BORING SB-41

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			13.03		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/17/06		11/17/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			24		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 10	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 4	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A	BORING LOCATION: Eastern shoulder of Halladay Street, 124 ft SW from the southern corner of the Halladay Street / Carteret Avenue intersection.		
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
18.0-22.8 Very dark greenish gray (GLE Y1 4/1 5GY) organic CLAY (OH), with less than 1% peat fragments		- 20 -		9	2.0	2	0934	0.0	0.0	0934	N/A	N/A	Sample SB-41 (23.5-24.0) collected at 940 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
		- -			2		0.0	0.0					
		- 21 -			2		0.0	0.0					
		- -			2		0.0	0.0					
22.8-24.0 Dark gray (GLE Y1 4/N) fine SAND (SP) with trace silt		- 22 -		10	2.0	2	0939	0.0	0.0	0939	N/A	N/A	
		- -				3		0.0	0.0				
		- 23 -				4		0.0	0.0				
		- -				5		0.0	0.0				
END OF BORING AT 24 feet bgs		- 24 -											
		- -											
		- 25 -											
		- -											
		- 26 -											
		- -											
		- 27 -											
		- -											
		- 28 -											
		- -											
	- 29 -												
	- -												
	- 30 -												

LOG OF SOIL BORING SB-42

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			13.26		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/17/06		11/17/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			24		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 10	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 4	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A	BORING LOCATION: Eastern shoulder of Halladay Street, 213 ft SW from the southern corner of the Halladay Street / Carteret Avenue intersection.		
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
Cleared via hand digging to 4'; boring through asphalt; Fill consisted of fluffy ash, with particles resembling shell fragments, some brick fragments		- 0 -											
		- -											
		- 1 -											
		- -											
		- 2 -											
		- -											
		- 3 -											
		- -											
4.0-4.1 FILL: grayish brown silt		- 4 -	1	2.0	8	1048	0.0	0.0	1048	N/A	N/A	No odors this spoon	
4.1-4.2 FILL: bright green/yellow/gray silty sand, suspected COPR		- -			11		0.0	0.0					
4.2-6.7 FILL: black gravel and clinker material (CM), trace ash material (AM)		- 5 -			17		0.0	0.0					
		- -			28		0.0	0.0					
6.7-7.2 FILL: COPR		- 6 -	2	2.0	21	1054	0.0	0.0	1054	N/A	N/A	No odors this spoon	
		- -			24		0.0	0.0					
7.2-8.5 FILL: Clinkers, gravel, AM		- 7 -			35		0.0	0.0					
		- -			44		0.0	0.0					
8.5-9.1 FILL: Gravel and COPR		- 8 -	3	2.0	8	1105	0.0	0.0	1105	N/A	N/A	No odors this spoon	
		- -			8		0.0	0.0					
9.1-10.0 FILL: COPR and AM		- 9 -			10		0.0	0.0					
		- -			10		0.0	0.0					
		- 10 -											

LOG OF SOIL BORING SB-42

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			13.26		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/17/06		11/17/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			24		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 10	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 4	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A	BORING LOCATION: Eastern shoulder of Halladay Street, 213 ft SW from the southern corner of the Halladay Street / Carteret Avenue intersection.		
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
10.0-12.7 FILL: ash and gravel, coal fragments, with some greenish color noted		- 10 -		4	1.2	4	1106	0.0	0.0	1106	N/A	N/A	No odors this spoon
		- -			2		0.0	0.0					
		- 11 -			2		0.0	0.0					
		- -			2								
		- 12 -											
12.7-12.8 FILL: reddish brown silty sand, black staining, exhibiting oil-like odors		- -		5	1.3	2	1110	0.0	0.0	1110	N/A	N/A	Sample SB-42(12.75-13.25) collected at 1124 for TCL SVOC, TCL VOC, TAL Metals, Total and Amenable CN
		- 13 -			2		0.0	0.0					
		- -			2		0.0	0.0					
		- -			2								
		- 14 -											
14.0-14.5 Brown fibrous PEAT (PT)		- 14 -		6	1.2	3	1117	0.0	0.0	1117	N/A	N/A	Anaerobic odors
14.5-16.0 Very dark greenish gray (GLEY1 3/1 10Y) organic CLAY (OH), with 10% peat fragments		- -			2		0.0	0.0					
		- 15 -			1		0.0	0.0					
		- -			2								
		- 16 -											
16.0-18.0 Same as above (SAA) becoming firmer, no peat fragments		- -		7	1.7	2	1120	0.0	0.0	1120	N/A	N/A	Sample SB-42(17.0-17.5) collected at 1129 for TCL SVOC, TCL VOC, TAL Metals, Total and Amenable CN
		- 17 -			1		1.0	0.0					
		- -			2		1.3	0.0					
		- -			2		0.9	0.0					
		- 18 -											
18.0-23.5 SAA with trace of silt		- -		8	2.0	1	1131	0.0	0.0	1131	N/A	N/A	
		- 19 -			1		0.0	0.0					
		- -			1		0.0	0.0					
		- -			1		0.0	0.0					
		- 20 -											

LOG OF SOIL BORING SB-42

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			13.26		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/17/06		11/17/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			24		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 10	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 4	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A	BORING LOCATION: Eastern shoulder of Halladay Street, 213 ft SW from the southern corner of the Halladay Street / Carteret Avenue intersection.		
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
18.0-23.5 SAA with trace of silt	-	- 20 -		9	1.0	1	1138	0.0	0.0	1138	N/A	N/A	
		- - -				1		0.5	0.0				
		- 21 -				1							
		- - -				1							
23.5-24.0 Dark gray (GLEY 1 4/N) fine SAND (SP), with silt	-	- 22 -		10	2.0	1	1142	0.0	0.0	1142	N/A	N/A	Sample SB-42(23.5-24.0) collected at 1143 for TCL SVOC, TCL VOC, TAL Metals, Total and Amenable CN
		- - -				1		0.0	0.0				
		- 23 -				2		0.0	0.0				
		- - -				3		0.0	0.0				
END OF BORING @ 24'		- 24 -											
		- - -											
		- 25 -											
		- - -											
		- 26 -											
		- - -											
		- 27 -											
		- - -											
		- 28 -											
		- - -											
		- 29 -											
		- - -											
		- 30 -											

LOG OF SOIL BORING SB-43

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			14.56		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/17/06		11/17/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			26		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 11	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 4	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A	BORING LOCATION: Western shoulder of Halladay Street, 168 ft SW from the western corner of the Halladay Street / Carteret Avenue intersection.		
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
Cleared via hand digging to 4'; boring through asphalt; Fill reddish brown fine to medium sand, trace clinker material (CM) trace gravel		- 0 -											
		- -											
		- 1 -											
		- -											
		- 2 -											
		- -											
		- 3 -											
		- -											
		- 4 -											
		- -											
4.0-8.5 FILL: white ash and black gravel		- 4 -		1	1.7	12	1339	0.0	0.0	1339	N/A	N/A	
		- -				21		0.0	0.0				
		- 5 -				20		0.0	0.0				
		- -				17		0.0	0.0				
		- 6 -		2	1.6	12	1342	0.0	0.0	1342	N/A	N/A	
		- -				10		0.0	0.0				
		- 7 -				8		0.0	0.0				
		- -				8		0.0	0.0				
8.5-8.8 FILL: bright green/yellow/gray silty sand, suspected chromate ore processing residue (COPR)		- 8 -		3	1.8	6	1343	0.0	0.0	1343	N/A	N/A	
		- -				5		0.0	0.0				
8.8-10.0 FILL: grayish sand and gravel, some greenish precipitate		- 9 -				5		0.0	0.0				
		- -				6		0.0	0.0				
		- 10 -											

LOG OF SOIL BORING SB-43

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER				
Halladay Street , Jersey City, NJ			14.56		020667601				
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED				
Advanced Drilling, Inc.		Roger Logel	11/17/06		11/17/06				
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)				
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			26		not encountered				
TYPE BIT	Hollow-stem auger	SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST.	11	UNDIST.	N/A	CORE	N/A
CASING	N/A	N/A	WATER DEPTH	FIRST	4	COMPL.	N/A	24HR	N/A
CASING HAMMER	WEIGHT	N/A	DROP	N/A	BORING LOCATION: Western shoulder of Halladay Street, 168 ft SW from the western corner of the Halladay Street / Carteret Avenue intersection.				
SAMPLER	2" diameter, 2' long split-spoon								
SAMPLER HAMMER	WEIGHT	140 lbs.	DROP	30"	INSPECTOR Eric Gaulin				

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
10.0-14.0 FILL: gray fine to medium sand, COPR, white nodules		- 10 -		4	1.8	2	1346	0.0	0.0	1346	N/A	N/A	
		- -				1		0.0	0.0				
		- 11 -				1		0.0	0.0				
		- -				1							
14.0-15.3 Reddish brown (2.5YR4/4) fine SILTY SAND (SM), trace clay		- 12 -		5	1.0	1	1349	0.0	0.0	1349	N/A	N/A	
		- -				1		0.0	0.0				
		- 13 -				1							Staining and ammonia-like odors from 15.0' to 15.3'
		- -				1							
15.3-16.5 Brown fibrous PEAT (PT)		- 14 -		6	1.3	1	1400	0.0	0.0	1400	N/A	N/A	Green groundwater observed within this spoon
		- -				2		0.0	0.0				
		- 15 -				1		0.0	0.0				Sample SB-43(15.0-15.5) collected at 1414 for TCL SVOC, TCL VOC, TAL Metals, Total and Amenable CN
		- -				1							
16.5-24.3 Very dark greenish gray (GLEY1 3/1 10Y) organic CLAY (OH), with 10% peat fragments; 1% peat fragments below 18 feet.		- 16 -		7	1.5	1	1420	0.0	0.0	1420	N/A	N/A	
		- -				2		0.0	0.0				
		- 17 -				2		0.0	0.0				
		- -				1		0.0	0.0				
		- 18 -		8	1.8	1	1425	1.4	0.0	1425	N/A	N/A	Anaerobic, swampy odors
		- -				1		0.8	0.0				
		- 19 -				1		1.2	0.0				
		- -				1		0.2	0.0				
	- 20 -												


LOG OF SOIL BORING SB-43

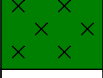
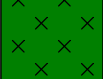

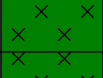
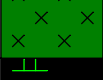

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER		
Halladay Street , Jersey City, NJ				14.56		020667601		
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.			Roger Logel		11/17/06		11/17/06	
DRILLING EQUIPMENT					COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers					26		not encountered	
TYPE BIT Hollow-stem auger			SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 11	UNDIST. N/A	CORE N/A
CASING N/A			N/A		WATER DEPTH	FIRST 4	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A		BORING LOCATION: Western shoulder of Halladay Street, 168 ft SW from the western corner of the Halladay Street / Carteret Avenue intersection.			
SAMPLER 2" diameter, 2' long split-spoon								
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"		INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
16.5-24.3 Same as above (SAA)		- 20 -		9	1.4	1	1428	0.0	0.0	1428	N/A	N/A	
		- - -			1		1.1	0.0					
		- 21 -			1		0.0	0.0					
		- - -			1		0.0	0.0					
24.3-26.0 Dark gray (GLEY 1 4/N) fine SANDY SILT (ML)		- 22 -		10	1.3	1	1429	0.0	0.0	1429	N/A	N/A	
		- - -			2		0.0	0.0					
		- 23 -			2		0.0	0.0					
		- - -			2		0.0	0.0					
END OF BORING @ 26'		- 24 -		11	2.0	2	1433	0.0	0.0	1433	N/A	N/A	Sample SB-43(25.5-26.0) collected at 1441 for TCL SVOC, TCL VOC, TAL Metals, Total and Amenable CN
		- - -			2		0.0	0.0					
		- 25 -			2		0.0	0.0					
		- - -			2		0.0	0.0					
		- 26 -											
		- - -											
		- 27 -											
		- - -											
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		- - -											
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		- - -											
		- 30 -											

PSEG-SB45

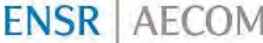
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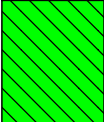
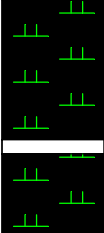
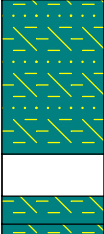
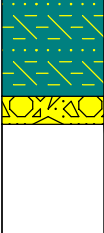
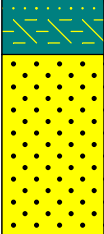
		Client: PPG Industries		BORING ID: PSEG-SB46		
		Site: Site 114				
Start Date: 11/30/2006		Project: Site Investigation		Page: 1 of 3		
		Coordinates: X-611661.117 Y-683681.939		Depth of Boring: 26.00		
End Date: 11/30/2006		Elevation:		Geologist: M. Merdinger		
		Drill Subcontractor: Advanced Drilling Inc		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

0					
2		FILL: Dark Yellowish Brown (10YR 3/4) SILT and FILL material (stone, brick, concrete), trace fine Gravel, ~1% COPR. No odor.	N/A	PSEG-SB46A (1.5-2.0)	MS/MSD, Cr+6, TAL Metals
		NR: No Recovery			
4		FILL: Very Dark Brown (10YR 2/2) SILTY SAND, some fine to medium Gravel, wet. No odor.	0.0 ppm	PSEG-SB46B (4.0-5.0)	Cr+6, TAL Metals
		FILL: Very Dark Brown (10YR 2/2) and Dark Yellowish Brown (10YR 4/4) SILT, little Clay, trace fine to medium Gravel, wet. No odor.		PSEG-SB46BD (4.0-5.0)	
6		NR: No Recovery			
		FILL: Very Dark Brown (10YR 2/2) SAND, little Silt and fine Gravel, wet. No odor.	0.0 ppm		
		FILL: COAL.			
		NR: No Recovery			
8		FILL: COAL and COAL TAR, moist. Napthalene odor.			
		PEAT: PEAT covered in Coal Tar, moist. Napthalene odor.	N/A	PSEG-SB46C (8.5-9.0)	Cr+6, TAL Metals

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.


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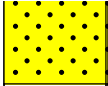

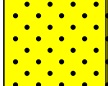
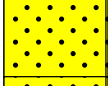

		Client: PPG Industries		BORING ID: PSEG-SB46		
		Site: Site 114				
Start Date: 11/30/2006		Project: Site Investigation		Page: 2 of 3		
		Coordinates: X-611661.117 Y-683681.939		Depth of Boring: 26.00		
End Date: 11/30/2006		Elevation:		Geologist: M. Merdinger		
		Drill Subcontractor: Advanced Drilling Inc		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

10		NR: No Recovery	N/A	PSEG-SB46D (10.0-10.5)	Cr+6, TAL Metals
		CLAY: Brown (7.5YR 4/5) CLAY, moist. Napthalene odor.			
12		PEAT: PEAT, moist. Napthalene odor.	N/A	PSEG-SB46E (11.0-11.5)	Cr+6, TAL Metals
		NR: No Recovery			
		PEAT: PEAT, moist. Napthalene odor.			
		CLAY AND SAND: Reddish Brown (5YR 5/3) very fine SANDY CLAY and ORGANICS, trace Silt, moist. No odor.			
14		NR: No Recovery	N/A	PSEG-SB46F (14.5-15.0)	Cr+6, TAL Metals
		CLAY AND SAND: Reddish Brown (5YR 5/3) very fine SANDY CLAY and ORGANICS, trace Silt, moist. No odor.			
		CLAY AND SAND: Reddish Gray (5YR 5/2) very fine SANDY CLAY, moist. No odor.			
		GRAVEL: Gray ROCKS, trace Weak Red (10R 4/3) Shale.			
16		NR: No Recovery	N/A		
		CLAY AND SAND: Reddish Gray (5YR 5/2) very fine SANDY CLAY, moist.			
		SAND: Weak Red (10R 4/4) SAND, little fine to coarse Gravel and Silt, trace Clay, moist. No odor.			
		NR: No Recovery			
18			N/A		

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		Client: PPG Industries		BORING ID: PSEG-SB46		
		Site: Site 114				
Start Date: 11/30/2006		Project: Site Investigation		Page: 3 of 3		
		Coordinates: X-611661.117 Y-683681.939		Depth of Boring: 26.00		
End Date: 11/30/2006		Elevation:		Geologist: M. Merdinger		
		Drill Subcontractor: Advanced Drilling Inc		Driller:		
Depth (ft)	Lithology	Description		PID	Sample ID	Sample Parameters

20		SAND: Weak Red (10R 4/4) SAND, little fine to coarse Gravel and Silt, trace Clay, moist. No odor.	N/A	PSEG-SB46G (18.5-19.0)	MS/MSD, Cr+6, TAL Metals
		SAND: Weak Red (10R 4/4) medium to coarse SAND, and medium to coarse Gravel, little Silt, wet. No odor.			
22		NR: No Recovery	N/A		
		SAND: Weak Red (10R 4/4) fine to coarse SAND, trace Silt, wet. No odor.			
24		SAND: Weak Red (10R 4/4) very fine SAND, trace Silt, wet, MGP at 22.8 ft.	N/A	PSEG-SB46H (22.0-23.0) PSEG-SB46HD (22.0-23.0)	Cr+6, TAL Metals
		NR: No Recovery			
26		SAND: Weak Red (10R 4/4) coarse SAND, wet.	N/A		
		SAND: Weak Red (10R 4/4) coarse SAND, wet.			
		SILT: Weak Red (10R 4/4) coarse SAND, wet.	N/A		
		NR: No Recovery			
		NULL: End of Boring at 26 ft.			

NOTES: Coordinates are provided in New Jersey State Plane NAD 1983 Feet.

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LOG OF SOIL BORING SB-47

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			11.13		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/29/06		11/29/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			36		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 16	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST NA	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A	BORING LOCATION: West side of Forrest Street, 273 ft NW from the western corner of the Halladay Street / Forrest Street intersection.		
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
Cleared via hand digging to 4'; boring through asphalt; Fill consisted of gravel, some ash material (AM), some clinker material (CM), some suspected pellets of chromate ore processing residue (COPR)		- 0 -											
		- -											
		- 1 -											
		- -											
		- 2 -											
		- -											
		- 3 -											
		- -											
4.0-7.0 FILL: CM		- 4 -		1	1.8	3	1319	0.0	0.0	1319	N/A	N/A	
		- -				4		0.0	0.0				
		- 5 -				3		0.0	0.0				
		- -				3		0.0	0.0				
		- 6 -		2	1.4	3	1322	0.0	0.0	1322	N/A	N/A	Heavy naphthalene odors; dye test from 6.5 7.0 positive; brown oil material (OM) from 6.0-7.0
		- -				3		0.0	0.0				
7.0-8.0 Grayish brown SILT (MH), trace clay		- 7 -				2		0.0	0.0				
		- -				3							
8.0-9.1 Dark reddish gray (2.5YR 3/1) organic SILT, CLAY (OL)		- 8 -		3	1.5	2	1333	0.0	0.0	1333	N/A	N/A	
		- -				1		0.0	0.0				
9.1-10.0 Yellowish brown (10YR5/4) SILT (ML), trace clay		- 9 -				1		0.0	0.0				
		- -				3							
		- 10 -											

LOG OF SOIL BORING SB-47

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER																
Halladay Street , Jersey City, NJ			11.13		020667601																
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED															
Advanced Drilling, Inc.		Roger Logel		11/29/06		11/29/06															
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)															
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers				36		not encountered															
TYPE BIT		Hollow-stem auger		SIZE AND TYPE CORE BARREL		NO. SAMPLES		DIST.		16		UNDIST.		N/A		CORE		N/A			
CASING		N/A		N/A		WATER DEPTH		FIRST		COMPL.		N/A		24HR		N/A					
CASING HAMMER		WEIGHT		N/A		DROP		N/A		BORING LOCATION: West side of Forrest Street, 273 ft NW from the western corner of the Halladay Street / Forrest Street intersection.											
SAMPLER						2" diameter, 2' long split-spoon															
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"		INSPECTOR								Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
10.0-11.5 Light brownish gray (10YR 6/2) SANDY SILT (ML)		- 10 -		4	1.7	1	1350	0.0	0.0	1350	N/A	N/A	No odors this spoon
11.5-13.1 Yellowish red (5YR4/6) fine SANDY SILT (ML), trace clay		- 11 -				1		0.0	0.0				
		- 12 -				1		0.0	0.0				
13.1-14.1 Light brownish gray (10YR 6/2) well compacted SILT (OL), trace clay		- 13 -				1		0.0	0.0				Sample SB-47(13.5-14.0) collected at 1405 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
14.1-14.7 Reddish brown (2.5YR 5/4) fine SAND (SP), trace silt		- 14 -		6	1.5	1	1410	0.0	0.0	1410	N/A	N/A	No odors this spoon
14.7-16.2 Reddish brown (2.5YR 5/3) fine SILTY SAND (SM) and clay		- 15 -				2		0.0	0.0				
		- 16 -				2		0.0	0.0				
16.2-18.0 Reddish brown (2.5YR 5/3) fine to coarse SAND (SW), trace silt, silty clay, 50% gravel rounded to subrounded, up to 1"		- 17 -		7	1.9	2	1415	0.0	0.0	1415	N/A	N/A	No odors this spoon
		- 18 -				3		0.0	0.0				
18.0-20.0 Reddish brown (2.5YR 4/4) fine to medium SAND (SW), little coarse sand, trace silt, <5% fine gravel		- 19 -		8	1.3	3	1417	0.0	0.0	1417	N/A	N/A	No odors this spoon
		- 20 -				5		0.0	0.0				
		- 20 -				7		0.0	0.0				
		- 20 -				8							


LOG OF SOIL BORING SB-47

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER																
Halladay Street , Jersey City, NJ			11.13		020667601																
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED															
Advanced Drilling, Inc.		Roger Logel		11/29/06		11/29/06															
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)															
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers				36		not encountered															
TYPE BIT		Hollow-stem auger		SIZE AND TYPE CORE BARREL		NO. SAMPLES		DIST.		16		UNDIST.		N/A		CORE		N/A			
CASING		N/A		N/A		WATER DEPTH		FIRST		COMPL.		N/A		24HR		N/A					
CASING HAMMER		WEIGHT		N/A		DROP		N/A		BORING LOCATION: West side of Forrest Street, 273 ft NW from the western corner of the Halladay Street / Forrest Street intersection.											
SAMPLER		2" diameter, 2' long split-spoon																			
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"		INSPECTOR										Eric Gaulin	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
20.0-22.7 TILL: Reddish brown (2.5YR4/4) consisting of 75% gravel, large cobble pieces, trace silt, some fine sand; gravel consists of black siltstone, green and white sandstone (GW)		- 20 -		9	1.0	7	1425	0.0	0.0	1425	N/A	N/A	No odors this spoon
		- -				9		0.0	0.0				
		- 21 -				12							
		- -				15							
		- 22 -											
22.7-24.1 Reddish brown (2.5YR4/4) fine SILTY SAND (SM)		- 22 -		10	1.2	13	1433	0.0	0.0	1433	N/A	N/A	No odors this spoon
		- -				15		0.0	0.0				
		- 23 -				17		0.0	0.0				
		- -				18							
		- 24 -											
24.1-24.3 Fragments of a white sandstone cobbles		- 24 -		11	1.2	12	1436	0.0	0.0	1436	N/A	N/A	No odors this spoon
		- -				13		0.0	0.0				
	24.3-30.0 Reddish brown (2.5YR4/4) fine SANDY SILT (ML), trace clay	- 25 -				13		0.0	0.0				
		- -				15							
		- 26 -											
		- 26 -		12	1.8	11	1444	0.0	0.0	1444	N/A	N/A	No odors; green water observed in this spoon
		- -				12		0.0	0.0				
		- 27 -				12		0.0	0.0				
		- -				13		0.0	0.0				
		- 28 -											
28.9-29.1 Reddish brown (2.5YR4/4) fine SILTY SAND (SM)		- 28 -		13	1.3	10	1450	0.0	0.0	1450	N/A	N/A	Faint naphthalene-like odors noted throughout this spoon
		- -				10		0.0	0.0				
	- 29 -				11		0.0	0.0					
	- -				12								
	- 30 -												

LOG OF SOIL BORING SB-47

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			11.13		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/29/06		11/29/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			36		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 16	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	DROP N/A	BORING LOCATION: West side of Forrest Street, 273 ft NW from the western corner of the Halladay Street / Forrest Street intersection.			
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
30.0-30.2 Reddish brown (2.5YR4/4) fine to medium SAND (SW)		- 30 -										No odors; green ground water noted in this spoon	
30.2-30.3 Reddish brown (2.5YR4/4) fine SANDY SILT (ML)			14	1.4	10	1510	0.0	0.0	1510	N/A	N/A		
30.3-30.7 Reddish brown (2.5YR4/4) fine SILTY SAND (SM)					11		0.0	0.0					
30.7-32.6 Reddish brown (2.5YR4/4) fine SANDY SILT (ML)					11		0.0	0.0					
			- 32 -									No odors this spoon	
				15	1.8	10	1513	0.0	0.0	1513	N/A		N/A
			- -			10		0.0	0.0				
32.6-33.0 Reddish brown (2.5YR4/4) SILT (ML) and SILTY CLAY (CL)			- 33 -			11		0.0	0.0				
			- -			13		0.0	0.0				
33.0-35.1 Reddish brown (5YR5/4) fine SANDY SILT (ML)			- 34 -									Sample SB-47(34.5-35.0) collected at 1517 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN No odors this spoon	
		- -		16	1.1	10	1516	0.0	0.0	1516	N/A		N/A
		- 35 -				12		0.0	0.0				
		- -				13		0.0	0.0				
		- -				12		0.0	0.0				
END OF BORING AT 36'		- 36 -											
		- -											
		- 37 -											
		- -											
		- 38 -											
		- -											
		- 39 -											
		- -											
		- 40 -											

LOG OF SOIL BORING SB-48

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER							
Halladay Street , Jersey City, NJ				12.13		020667601							
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED						
Advanced Drilling, Inc.			Roger Logel		11/28/06		11/29/06						
DRILLING EQUIPMENT					COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)						
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers					40		not encountered						
TYPE BIT			Hollow-stem auger		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	18	UNDIST.	N/A	CORE	N/A
CASING			N/A		N/A		WATER DEPTH	FIRST	4	COMPL.	N/A	24HR	N/A
CASING HAMMER		WEIGHT		N/A		DROP		N/A		BORING LOCATION: West side of Forrest Street, 158 ft NW from the western corner of the Halladay Street / Forrest Street intersection.			
SAMPLER		2" diameter, 2' long split-spoon											
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"		INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
Cleared via hand digging to 4'; boring through asphalt; Fill consisted of reddish brown sand, gravel		- 0 -											
		- -											
		- 1 -											
		- -											
		- 2 -											
		- -											
		- 3 -											
		- -											
		- 4 -											
		- -											
4.0-4.8 Dark grayish brown (10YR4/2) fine SAND (SP), trace silt		- 4 -	1	0.9	2	1342	0.0	0.0	1342	N/A	N/A		
		- -			1		0.0	0.0					
4.8-6.8 Yellowish brown (10YR5/4) fine SANDY SILT (ML), trace clay		- 5 -			2		0.0	0.0					
		- -			2		0.0	0.0					
		- 6 -											
6.8-8.8 Yellowish red (5YR4/6) fine SILTY SAND (SM), with some bands of greenish gray (GLE Y1 6/1 10Y)		- -	2	1.7	2	1352	0.0	0.0	1352	N/A	N/A		
		- 7 -			1		0.0	0.0					
		- -			1		0.0	0.0					
		- 8 -			2								
		- -											
8.8-12.5 Yellowish red (5YR4/6) fine to medium SAND (SW), trace silt		- 8 -	3	2.0	2	1355	0.0	0.0	1355	N/A	N/A	Faint burnt odors noted on groundwater	
		- -			2		0.0	0.0					
		- 9 -			1		0.0	0.0					
		- -			2		0.0	0.0					
		- 10 -											

LOG OF SOIL BORING SB-48

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			12.13		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/28/06		11/29/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			40		not encountered	
TYPE BIT		Hollow-stem auger	SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST.	18
UNDIST.		N/A	CORE	N/A		
CASING		N/A	N/A	WATER DEPTH	FIRST	4
COMPL.		N/A	24HR	N/A		
CASING HAMMER		WEIGHT	N/A	DROP	N/A	
BORING LOCATION: West side of Forrest Street, 158 ft NW from the western corner						
SAMPLER			2" diameter, 2' long split-spoon	of the Halladay Street / Forrest Street intersection.		
SAMPLER HAMMER		WEIGHT	140 lbs.	DROP	30"	
INSPECTOR			Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
8.8-12.5 Yellowish red (5YR4/6) fine to medium SAND (SW), trace silt		- 10 -		4	1.5	2	1400	0.0	0.0	1400	N/A	N/A	Sample SB-48(10.0-10.5) collected at 1405 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN Strong, burnt odors this spoon
		- -				2		0.0	0.0				
		- 11 -				2		0.0	0.0				
		- -				2							
12.5-14.4 Reddish brown (2.5YR4/4) fine SANDY SILT (ML)		- 12 -		5	1.3	2	1410	0.0	0.0	1410	N/A	N/A	Strong, burnt odors this spoon
		- -				2		0.0	0.0				
		- 13 -				2		0.0	0.0				
		- -				2							
14.4-16.0 GRAVEL, consisting of fine grained black angular rock fragments (1/4"), with streaks of grayish green throughout (GW)		- 14 -		6	0.7	2	1415	0.0	0.0	1415	N/A	N/A	
		- -				2		0.0	0.0				
		- 15 -				3							
		- -				5							
16.0-16.3 Reddish brown (2.5YR4/4) fine SANDY SILT (ML)		- 16 -		7	1.1	5	1415	0.0	0.0	1415	N/A	N/A	Faint unidentifiable odors
16.3-16.8 Reddish brown (2.5YR4/4) fine SANDY SILT (ML), with some black silt and 2" fragments of white fine grained sand stone, exhibiting some black weathering		- 17 -				5		0.0	0.0				
16.8-18.0 Reddish brown (2.5YR4/4) fine SANDY SILT (ML)		- -				7							
18.0-21.6 Reddish brown (2.5YR4/4) fine SILTY SAND (SM)		- 18 -		8	1.4	4	1422	0.0	0.0	1422	N/A	N/A	
		- -				3		0.0	0.0				
		- 19 -				2		0.0	0.0				
		- -				3							
		- 20 -											

LOG OF SOIL BORING SB-48

PROJECT LOCATION Halladay Street , Jersey City, NJ		GROUND ELEVATION (FT. MSL) 12.13		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Roger Logel		DATE COMPLETED 11/29/06	
DRILLING EQUIPMENT GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers		COMPLETION DEPTH (FT BGS) 40		ROCK DEPTH (FT) not encountered	
TYPE BIT Hollow-stem auger	SIZE AND TYPE CORE BARREL N/A	NO. SAMPLES 18	DIST. 4	UNDIST. N/A	CORE N/A
CASING N/A	WATER DEPTH N/A	FIRST 4	COMPL. N/A	24HR N/A	
CASING HAMMER N/A	WEIGHT N/A	DROP N/A	BORING LOCATION: West side of Forrest Street, 158 ft NW from the western corner of the Halladay Street / Forrest Street intersection.		
SAMPLER 2" diameter, 2' long split-spoon	INSPECTOR Eric Gaulin				
SAMPLER HAMMER N/A	WEIGHT 140 lbs.	DROP 30"			

DESCRIPTION	Sample Interval Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
			Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
18.0-21.6 Reddish brown (2.5YR4/4) fine SILTY SAND (SM)	- 20 -		9	2.0	3	1436	0.0	0.0	1436	N/A	N/A	Drilling ended here 11-28-06
	- -				3		0.0	0.0				
	- 21 -				2		0.0	0.0				
21.6-22.0 Reddish brown (2.5YR4/4) fine SANDY SILT (ML)	- -				2		0.0	0.0				Drilling resumed here 11-29-06
22.0-27.2 Reddish brown (2.5YR4/4) fine SILTY SAND (SM)	- 22 -		10	0.9	3	0904	0.0	0.0	0904	N/A	N/A	
	- -				5		0.0	0.0				
	- 23 -				5							No odors this spoon
	- -				6							
	- 24 -		11	1.0	5	0915	0.0	0.0	0915	N/A	N/A	
	- -				5		0.0	0.0				No odors this spoon
	- 25 -				7							
	- -				10							
	- 26 -		12	1.6	6	0916	0.0	0.0	0916	N/A	N/A	No odors this spoon
	- -				6		0.0	0.0				
27.2-27.3 Reddish brown (5YR5/4) SILTY CLAY (CL)	- 27 -				7		0.0	0.0				
	- -				7		0.0	0.0				Sample SB-48(26.5-27.0) for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
27.3-28.5 Reddish brown (5YR5/4) fine SILTY SAND (SM)	- 28 -				7		0.0	0.0				
28.5-28.6 Reddish brown (5YR5/4) SILTY CLAY (CL)	- -		13	1.3	5	0930	0.0	0.0	0930	N/A	N/A	
	- -				6		0.0	0.0				No odors this spoon
28.6-30.3 Reddish brown (5YR5/4) fine SANDY SILT (ML)	- 29 -				6		0.0	0.0				
	- -				7							
	- 30 -											

LOG OF SOIL BORING SB-48

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			12.13		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/28/06		11/29/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			40		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 18	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 4	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	DROP N/A	BORING LOCATION: West side of Forrest Street, 158 ft NW from the western corner of the Halladay Street / Forrest Street intersection.			
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
28.6-30.3 Reddish brown (5YR5/4) fine SANDY SILT (ML)		- 30 -		14	1.2	6	0931	0.0	0.0	0931	N/A	N/A	No odors this spoon
30.3-36.6 Reddish brown (5YR5/4) fine SILTY SAND (SM)		- -					7	0.0	0.0				
		- 31 -					6	0.0	0.0				
		- -					6						
36.6-38.0 Reddish brown (5YR5/4) fine SANDY SILT (ML)		- 32 -		15	1.3	6	0940	0.0	0.0	0940	N/A	N/A	No odors this spoon
		- -					6	0.0	0.0				
		- 33 -					5	0.0	0.0				
		- -					6						
		- 34 -		16	2.0	6	0955	0.0	0.0	0955	N/A	N/A	Sample SB-48(34.0-34.5.0) collected at 1001 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
		- -					7	0.0	0.0				
		- 35 -					7	0.0	0.0				No odors this spoon
		- -					7	0.0	0.0				
38.0-38.8 Reddish brown (5YR5/4) fine SANDY SILT (ML), with some weak grey silty clay lenses, less than 1/4" thick		- 36 -		17	2.0	6	1000	0.0	0.0	1000	N/A	N/A	No odors this spoon
		- -					8	0.0	0.0				
		- 37 -					9	0.0	0.0				
		- -					10	0.0	0.0				
38.8-38.9 Reddish brown (5YR5/4) SILTY CLAY (CL)		- 38 -		18	1.5	6	1012	0.0	0.0	1012	N/A	N/A	No odors this spoon
- -						7	0.0	0.0				Sample SB-48(39.0-39.5) collected at 1015 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN	
- 39 -						7	0.0	0.0					
38.9-39.5 Reddish brown (5YR5/4) fine SANDY SILT (ML), trace clay		- -											
- 40 -						8							
END OF BORING AT 40'		- 40 -											

LOG OF SOIL BORING SB-49

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			15.27		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/15/06		11/15/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			48.5'		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 23	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 4	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A	BORING LOCATION: Eastern shoulder of Halladay Street, 130 ft SW from the southern corner of the Halladay Street / Forrest Street intersection.		
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
Cleared via hand digging to 4'; boring through asphalt; the fill appeared to be silty sand, gravel		- 0 -											
		- -											
		- 1 -											
		- -											
		- 2 -											
		- -											
		- 3 -											
		- -											
		- 4 -											
4.0-7.3 FILL: consisting of tight reddish brown silty sand, asphalt fragments		- -		1	1.0	4	0918	5.9	2.0	0918	N/A	N/A	
		- -				5		6.7	2.2				
		- 5 -				4							
		- -				5							
		- 6 -		2	2.0	3	0921	26.7	0.0	0921	N/A	N/A	Oil material (OM)
		- -				4		38.4	0.0				Sheen, naphthalene-like
		- 7 -				4		58.0	0.0				odors from 7.8-17.1 feet
		- -				4		105.0	0.0				bgs
7.3-8.3 Weak red (2.5YR4/2) SILTY CLAY (CL)		- 8 -											
8.3-10.0 Red (2.5YR4/6) fine to medium SILTY SAND (SM); OM		- -		3	1.8	4	0930	10.2	0.0	0930	N/A	N/A	Positive dye test from
		- 9 -				4		401	0.0				8.5-9.0 confirming
		- -				4		522	0.0				presence of OM
		- 10 -				4		550	0.0				

LOG OF SOIL BORING SB-49

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER																
Halladay Street , Jersey City, NJ			15.27		020667601																
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED															
Advanced Drilling, Inc.		Roger Logel		11/15/06		11/15/06															
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)															
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers				48.5'		not encountered															
TYPE BIT		Hollow-stem auger		SIZE AND TYPE CORE BARREL		NO. SAMPLES		DIST.		23		UNDIST.		N/A		CORE		N/A			
CASING		N/A		N/A		WATER DEPTH		FIRST		4		COMPL.		N/A		24HR		N/A			
CASING HAMMER		WEIGHT		N/A		DROP		N/A		BORING LOCATION: Eastern shoulder of Halladay Street, 130 ft SW from the southern corner of the Halladay Street / Forrest Street intersection.											
SAMPLER		2" diameter, 2' long split-spoon																			
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"		INSPECTOR										Eric Gaulin	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	(PPM)					
								Sample	Ambient Air	Time	Head Space	Time Date	
10.0-12.0 Red (2.5YR4/6) fine to medium SILTY SAND (SM) with a trace of clay, 10% fine gravel, subrounded up to 1/8" diameter		- 10 -		4	1.5	3	0935	100.0	0.0	0935	N/A	N/A	Odors this spoon
		- -				3		68	0.0				
		- 11 -				4		59	0.0				
		- -				4							
12.0-14.0 Red (2.5YR4/6) fine to medium SILTY SAND (SM) becoming mostly fine SILTY SAND with trace silty clay (CL); soft		- 12 -		5	2.0	3	0940	200	0.0	0940	N/A	N/A	Sample SB-49 (12.5-13.0) collected at 0944 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN Dye test 12.0-12.5 positive
		- -				4		590	0.0				
		- 13 -				5		220	0.0				
		- -				5		100	0.0				
14.0-15.5 Red (2.5YR4/6) mostly fine SILTY SAND (SM) with trace silty clay (CL), very compact and firm		- 14 -		6	1.8	3	0955	220	0.0	0955	N/A	N/A	Odors this spoon
		- -				5		59	0.0				
		- 15 -				7		1200	0.0				
		- -				8							
15.5-17.1 Red (2.5YR4/6) fine to medium SAND (SW)		- 16 -		7	2.0	8	0957	989	0.0	0957	N/A	N/A	Sample SB-49 (16.0-16.5) collected at 1002 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
		- -				8		1510	0.0				
		- 17 -				9		140	0.0				
		- -				11		200	0.0				
17.1-18.8 Red (2.5YR4/6) fine SILTY SAND (SM), tight		- 18 -		8	2.0	3	1010	6.5	0.0	1010	N/A	N/A	No naphthalene-like odors this spoon, no staining or evidence of free product
	- -					4		6.0	0.0				
	- 19 -					7		0.0	0.0				
	- -					4		1.3	0.0				
18.8-20.0 Reddish brown (2.5YR5/4) fine to medium SAND (SW) , trace silt, wet, loose, some 2" gray bands of sand exhibiting a burnt odor		- 20 -											

LOG OF SOIL BORING SB-49

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			15.27		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/15/06		11/15/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			48.5'		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 23	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 4	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A	BORING LOCATION: Eastern shoulder of Halladay Street, 130 ft SW from the southern corner of the Halladay Street / Forrest Street intersection.		
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS		
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date			
20.0-21.0 Reddish brown (2.5YR5/4) fine to coarse SAND (SW) , 5% gravel, subrounded to subangular, 1/8 to 1/4" in diameter		- 20 -		9	1.2	5	1015	30	0.0	1015	N/A	N/A	No naphthalene-like odors this spoon, no staining or evidence of free product		
		- -				6		1.2	0.0						
		- 21 -				6	12	0.0							
		- -				7									
		- 22 -		10	1.3	5	1022	1.0	0.0	1022	N/A	N/A		No naphthalene-like odors this spoon, no staining or evidence of free product	
		- -				5		1.9	0.0						
		- 23 -				6		1.5	0.0						
		- -				6									
	21.0-28.0 Dark reddish brown (2.5YR3/4) fine SILTY SAND (SM), with occassional bands of fine to medium sand, trace coarse sand, occassional bands of fine sandy silt		- 24 -		11	1.0	6	1039	0.0	0.0	1039	N/A		N/A	No naphthalene-like odors this spoon, no staining or evidence of free product
			- -				6		1.1	0.0					
		- 25 -				7									
		- -				7									
28.0-35.2 Reddish brown (2.5YR5/4) fine SANDY SILT (ML), with occassional thin lenses (1/8 to 1/4 inch thick, reddish gray silty clay)			- 26 -		12	1.0	6	1043	0.0	0.0	1043	N/A	N/A	No naphthalene-like odors this spoon, no staining or evidence of free product	
			- -				7		0.0	0.0					
			- 27 -				8						Sample SB-49(26.5-27.0) collected at 10:43 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN		
			- -				10								
			- 28 -		13	1.8	8	1056	0.0	0.0	1056	N/A		N/A	Faint odors, no staining or evidence of free product
			- -				10		0.0	0.0					
		- 29 -				11		0.0	0.0						
		- 30 -				12									

LOG OF SOIL BORING SB-49

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			15.27		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/15/06		11/15/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			48.5'		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 23	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 4	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A	BORING LOCATION: Eastern shoulder of Halladay Street, 130 ft SW from the southern corner of the Halladay Street / Forrest Street intersection.		
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time	
												Date	
28.0-35.2 Reddish brown (2.5YR5/4) fine SANDY SILT (ML), with occassional thin lenses (1/8 to 1/4 inch thick, reddish gray silty clay)		- 30 -		14	2.0	10	1107	0.0	0.0	1107	N/A	N/A	Faint unidentifiable odors noted
		- -				10		3.4	0.0				
		- 31 -				11		5.5	0.0				
		- -				13		0.0	0.0				
		- 32 -		15	2.0	10	1109	0.0	0.0	1109	N/A	N/A	
35.2-38.8 Reddish brown (2.5YR5/4) laminated SILT (ML) and SILTY CLAY (CL)		- -				13		0.0	0.0				Faint odors noted on groundwater
		- 33 -				14		0.0	0.0				
		- -				15		0.0	0.0				
		- 34 -		16	1.5	12	1115	0.0	0.0	1115	N/A	N/A	
		- -				13		0.0	0.0				
38.8-46.5 Reddish brown (5YR5/3) fine SANDY SILT (ML), with little fine silty sand		- 35 -				13		0.0	0.0				Faint odors noted on groundwater
		- -				15		0.0	0.0				
		- 36 -		17	1.8	11	1129	0.0	0.0	1129	N/A	N/A	
		- -				13		0.0	0.0				
		- 37 -				15		0.0	0.0				
		- -				18		0.0	0.0				Faint odors noted on groundwater
		- 38 -		18	2.0	11	1140	0.0	0.0	1140	N/A	N/A	
		- -				12		0.0	0.0				
		- 39 -				12		0.0	0.0				
		- -				13		0.0	0.0				
		- 40 -											

LOG OF SOIL BORING SB-49

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			15.27		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/15/06		11/15/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			48.5'		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 23	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 4	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A	BORING LOCATION: Eastern shoulder of Halladay Street, 130 ft SW from the southern corner of the Halladay Street / Forrest Street intersection.		
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time	
												Date	
38.8-46.5 Reddish brown (5YR5/3) fine SANDY SILT (ML), with little fine silty SAND		- 40 -											
			19	2.0	12	1155	0.0	0.0	1155	N/A	N/A	Faint odors noted on groundwater	
					12		0.0	0.0					
					14		0.0	0.0					
					15		0.0	0.0					
			- 42 -										
				20	1.0	13	1205	0.0	0.0	1205	N/A	N/A	Faint odors noted on groundwater
						15		0.0	0.0				
			- 43 -										
						14		1.0	0.0				
						16							
			- 44 -										
46.5-48.3 Reddish gray (5YR5/2) weakly laminated (up to 1.5" thick) SILT (ML) and SILTY CLAY (CL), with 25% angular fragments of white sandstone and black argillite at 48.0 feet				21	2.0	10	1302	3.0	0.0	1302	N/A	N/A	No odors noted on groundwater
						10		1.1	0.0				
			- 45 -					0.0	0.0				
						12		1.2	0.0				
			- 46 -										
				22	1.8	11	1312	1.1	0.0	1312	N/A	N/A	No odors noted on groundwater Sample SB-49(47.25-47.75) collected at 13:45 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
						15		1.2	0.0				
			- 47 -					0.0	0.0				
					20								
End of boring at 48.5 ft bgs, due to auger refusal; drillers noted cobbles first encountered at 47.5 feet bgs.		- 48 -											
				23	0.3	100 / 1/2"	1342	0.0	0.0	1342	N/A	N/A	
			- 49 -										
			- 50 -										

LOG OF SOIL BORING SB-51

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER			
Halladay Street , Jersey City, NJ			14.96		020667601			
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED			
Advanced Drilling, Inc.		Roger Logel	11/16/06		11/16/06			
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)			
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			45.8'		not encountered			
TYPE BIT		Hollow-stem auger	SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 19	UNDIST. N/A	CORE N/A
CASING		N/A	N/A		WATER DEPTH	FIRST 10	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A		BORING LOCATION: Eastern shoulder of Halladay Street, 30 ft SW from the southern corner of the Halladay Street / Forrest Street intersection.			
SAMPLER			2" diameter, 2' long split-spoon					
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"		INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
Cleared via hand digging to 4'; boring through asphalt; material appeared to be grayish brown silty clay, sand		- 0 -											
		- -											
		- 1 -											
		- -											
		- 2 -											
		- -											
		- 3 -											
		- -											
		- 4 -											
		- -											
4.0-4.5 Grayish Green (GLE1 5/2 5G) SANDY CLAY (CL)		- 4 -		1	1.5	2	0901	0.0	0.0	0901	N/A	N/A	No odors or other evidence of contamination
4.5-5.0 Same as above (SAA) with bands of reddish gray (5YR5/2) fine SILTY SAND (CL/SM)		- -				3		0.0	0.0				
5.0-5.2 Greenish gray (GLE2 5/1 10G) fine SANDY SILT (ML)		- 5 -				4		0.0	0.0				
5.2-10.0 Reddish brown (5YR5/3) fine to medium SAND (SW), trace silt		- -				4							
		- 6 -		2	1.5	4	0904	0.0	0.0	0904	N/A	N/A	No odors or other evidence of contamination
	- -					4		0.0	0.0				
	- 7 -					5		0.0	0.0				
	- -					7							
		- 8 -		3	1.3	4	0906	0.0	0.0	0906	N/A	N/A	No odors or other evidence of contamination
	- -					5		0.0	0.0				
	- 9 -					5		0.0	0.0				
	- -					6							
		- 10 -	<input checked="" type="checkbox"/>										

LOG OF SOIL BORING SB-51

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER			
Halladay Street , Jersey City, NJ			14.96		020667601			
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED			
Advanced Drilling, Inc.		Roger Logel	11/16/06		11/16/06			
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)			
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			45.8'		not encountered			
TYPE BIT		Hollow-stem auger	SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 19	UNDIST. N/A	CORE N/A
CASING		N/A	N/A		WATER DEPTH	FIRST 10	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A		BORING LOCATION: Eastern shoulder of Halladay Street, 30 ft SW from the southern corner of the Halladay Street / Forrest Street intersection.			
SAMPLER			2" diameter, 2' long split-spoon					
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"		INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
10.0-12.0 Reddish brown (2.5YR5/4) fine to medium SAND (SW), trace clay, trace silt, 1% subrounded to subangular 1" diameter gravel		- 10 -	11	4	1.5	4	0911	0.0	0.0	0911	N/A	N/A	No odors or other evidence of contamination; this spoon moist
		- -			5		0.0	0.0					
		- 11 -			5		0.0	0.0					
		- -			6								
12.0-14.0 Reddish brown (2.5YR5/4) fine SILTY SAND (SM), with 10% coarse sand to fine gravel (2 to 4 mm in diameter)		- 12 -		5	1.8	5	0916	0.0	0.0	0916	N/A	N/A	Sample SB-51(12.5-13.0) collected at 0922 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
		- -			6		0.0	0.0					
		- 13 -			7		0.0	0.0					
		- -			6		0.0	0.0					
14.0-16.6 Reddish brown (2.5YR5/4) fine SILTY SAND (SM) grading to fine SANDY SILT (ML), trace clay		- 14 -		6	2.0	4	0918	0.0	0.0	0918	N/A	N/A	No odors or other evidence of contamination
		- -			5		0.0	0.0					
		- 15 -			5		0.0	0.0					
		- -			5		0.0	0.0					
16.6-18.2 Reddish brown (2.5YR5/4) fine SANDY SILT (ML)		- 16 -		7	1.8	5	0925	0.0	0.0	0925	N/A	N/A	No odors or other evidence of contamination
		- -			4		0.0	0.0					
		- 17 -			5		0.0	0.0					
		- -			4		0.0	0.0					
18.2-18.8 Reddish brown (2.5YR5/4) fine to medium SAND (SW), trace silt, 1% 1/4" diameter subrounded gravel		- 18 -		8	2.0	4	0929	0.0	0.0	0929	N/A	N/A	No odors or other evidence of contamination
		- -				5		0.0	0.0				
	18.8-23.8 Reddish brown (2.5YR5/4) fine SAND (SP), trace silt	- 19 -			7		0.0	0.0					
		- -			7		0.0	0.0					
		- 20 -											

LOG OF SOIL BORING SB-51

PROJECT LOCATION Halladay Street , Jersey City, NJ		GROUND ELEVATION (FT. MSL) 14.96		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN Roger Logel		DATE COMPLETED 11/16/06	
DRILLING EQUIPMENT GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers		COMPLETION DEPTH (FT BGS) 45.8'		ROCK DEPTH (FT) not encountered	
TYPE BIT	Hollow-stem auger	SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST.	19
CASING	N/A	N/A	WATER DEPTH	FIRST	10
CASING HAMMER	WEIGHT	N/A	DROP	N/A	
SAMPLER	2" diameter, 2' long split-spoon		BORING LOCATION: Eastern shoulder of Halladay Street, 30 ft SW from the southern corner of the Halladay Street / Forrest Street intersection.		
SAMPLER HAMMER	WEIGHT	140 lbs.	DROP	30"	INSPECTOR Eric Gaulin

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
18.8-23.8 Reddish brown (2.5YR5/4) fine SAND (SP), trace silt		- 20 -		9	2.0	7	0938	0.0	0.0	0938	N/A	N/A	No odors or other evidence of contamination
		- -				8		0.0	0.0				
		- 21 -				8		0.0	0.0				
		- -				8		0.0	0.0				
23.8-27.0 TILL: Reddish brown (2.5YR5/4) fine to medium SAND (SW), trace clay, 50% gravel, angular to subangular, up to 1/2" diameter		- 22 -		10	2.0	7	0952	0.0	0.0	0952	N/A	N/A	No odors or other evidence of contamination
		- -				9		0.0	0.0				
		- 23 -				10		0.0	0.0				
		- -				9		0.0	0.0				
27.0-33.0 Reddish brown (2.5YR4/4) fine SANDY SILT (ML), firm		- 24 -		11	2.0	10	0956	0.0	0.0	0956	N/A	N/A	Sample SB-51(27.0-27.5) collected at 1012 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
		- -				10		0.0	0.0				
		- 25 -				10		0.0	0.0				
		- -				11		0.0	0.0				
		- 26 -		12	2.0	8	0956	0.0	0.0	0956	N/A	N/A	No odors or other evidence of contamination
		- -				10		0.0	0.0				
		- 27 -				11		0.0	0.0				
		- -				12		0.0	0.0				
		- 28 -		13	1.1	10	1000	0.0	0.0	1000	N/A	N/A	No odors or other evidence of contamination
		- -				10		0.0	0.0				
		- 29 -				13		0.0	0.0				
		- -				16		0.0	0.0				
		- 30 -											

LOG OF SOIL BORING SB-51

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			14.96		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/16/06		11/16/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			45.8'		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 19	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 10	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A	BORING LOCATION: Eastern shoulder of Halladay Street, 30 ft SW from the southern corner of the Halladay Street / Forrest Street intersection.		
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin		



DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
27.0-33.0 Reddish brown (2.5YR4/4) fine SANDY SILT (ML), firm		- 30 -		14	1.2	8	1028	0.0	0.0	1028	N/A	N/A	No odors or other evidence of contamination
		- -				11		0.0	0.0				
		- 31 -				13		0.0	0.0				
		- -				14							
33.0-35.0 Reddish brown (2.5YR4/4) fine SANDY SILT (ML),with some 3/4" bands of fine to medium sand		- 32 -		15	1.3	10	1034	0.0	0.0	1034	N/A	N/A	No odors or other evidence of contamination
		- -				12		0.0	0.0				
		- 33 -				12		0.0	0.0				
		- -				15							
35.0-45.0 TILL: consisting of reddish brown (2.5YR4/4) fine SILTY SAND (SM), some fine sandy silt, 50% fine (1/8") gravel consisting of white/red sandstone, red siltstone and argillite		- 34 -		16	2.0	19	1050	0.0	0.0	1050	N/A	N/A	No odors or other evidence of contamination
		- -				27		0.0	0.0				
		- 35 -				38		0.0	0.0				
		- -				44		0.0	0.0				
		- 36 -		17	2.0	30	1057	0.0	0.0	1057	N/A	N/A	No odors or other evidence of contamination
		- -				29		0.0	0.0				
		- 37 -				37		0.0	0.0				
		- -				40		0.0	0.0				
		- 38 -		18	1.5	21	1121	0.0	0.0	1121	N/A	N/A	No odors or other evidence of contamination
		- -				29		0.0	0.0				
		- 39 -				25		0.0	0.0				
		- -				33		0.0	0.0				
		- 40 -											

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER		
Halladay Street , Jersey City, NJ				14.96		020667601		
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.			Roger Logel		11/16/06		11/16/06	
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)		
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers				45.8'		not encountered		
TYPE BIT Hollow-stem auger			SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 19	UNDIST. N/A	CORE N/A
CASING N/A			N/A		WATER DEPTH	FIRST 10	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A		BORING LOCATION: Eastern shoulder of Halladay Street, 30 ft SW from the southern corner of the Halladay Street / Forrest Street intersection.			
SAMPLER 2" diameter, 2' long split-spoon								
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"		INSPECTOR Eric Gaulin			

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LOG OF SOIL BORING SB-52

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			12.22		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/22/06		11/27/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			56		not encountered	
TYPE BIT	Hollow-stem auger	SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 26	UNDIST. N/A	CORE N/A
CASING	N/A	N/A	WATER DEPTH	FIRST NA	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A	BORING LOCATION: Western shoulder of Carteret Avenue, 88 ft SE from the		
SAMPLER		2" diameter, 2' long split-spoon		southern corner of the Halladay Street / Carteret Avenue intersection.		
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
Cleared via hand digging to 4'; ash material (AM), gravel, clinker material (CM)		- 0 -											
		- -											
		- 1 -											
		- -											
		- 2 -											
		- -											
		- 3 -											
		- -											
		- 4 -											
		- -											
4.0-6.9 FILL: CM, trace ash, gravel		- -	1	1.0	4	1311	0.0	0.0	1311	N/A	N/A	No odors or other evidence of contamination	
		- -			5		0.0	0.0					
		- 5 -			5								
		- -			7								
		- 6 -	2	1.1	4	1313	0.0	0.0	1313	N/A	N/A	No odors or other evidence of contamination	
	- -			4		0.0	0.0						
	- 7 -			3		0.0	0.0						
	- -			4									
	6.9-8.0 Black fine SAND (SP) with silty clay, highly plastic		- 8 -	3	1.0	4	1317	0.0	0.0	1317	N/A	N/A	No odors or other evidence of contamination
			- -			2		0.0	0.0				
- 9 -					2		0.0	0.0					
- -					2								
		- 10 -											

LOG OF SOIL BORING SB-52

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			12.22		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/22/06		11/27/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			56		not encountered	
TYPE BIT	Hollow-stem auger	SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 26	UNDIST. N/A	CORE N/A
CASING	N/A	N/A	WATER DEPTH	FIRST 4.8	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A		BORING LOCATION: Western shoulder of Carteret Avenue, 88 ft SE from the southern corner of the Halladay Street / Carteret Avenue intersection.	
SAMPLER		2" diameter, 2' long split-spoon				
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
8.9-12.0 Disturbed PEAT (PT), with some reddish gray silty clay		- 10 -		4	1.2	2	1329	0.0	0.0	1329	N/A	N/A	
		- -				1		0.0	0.0				
		- 11 -				2		0.0	0.0				
		- -				2							
12.0-16.0 Reddish brown SILT (ML) and silty clay, trace fine gravel		- 12 -		5	1.5	2	1338	0.0	0.0	1338	N/A	N/A	
		- -				2		0.0	0.0				
		- 13 -				2		0.0	0.0				
		- -				2							
16.0-16.4 Very dark greenish gray (GLE Y 1 3/1 10Y) PEAT (PT)		- 14 -		6	0.9	2	1339	0.0	0.0	1339	N/A	N/A	
		- -				3		0.0	0.0				
		- 15 -				3							
		- -				3							Drilling ended here 11-22-06
16.4-18.4 Very dark greenish gray (GLE Y 1 3/1 10Y) organic CLAY (OH), with 10% peat fragments		- 16 -		7	1.2	1	0900	0.0	0.0	0900	N/A	N/A	Drilling resumed here 11-27-06
		- -				2		10.3	0.0				
		- 17 -				1		10.0	0.0				Anaerobic, swampy odors
		- -				2							
18.4-20.0 Grey organic CLAY (OH), with less than 5% peat fibers		- 18 -		8	2.0	2	0905	26.3	0.0	0905	N/A	N/A	Anaerobic, swampy odors
		- -				2		53.6	0.0				
		- 19 -				2		?	0.0				
		- -				2		?	0.0				
		- 20 -											

LOG OF SOIL BORING SB-52

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			12.22		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/22/06		11/27/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			56		not encountered	
TYPE BIT	Hollow-stem auger	SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 26	UNDIST. N/A	CORE N/A
CASING	N/A	N/A	WATER DEPTH	FIRST 4.8	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A		BORING LOCATION: Western shoulder of Carteret Avenue, 88 ft SE from the southern corner of the Halladay Street / Carteret Avenue intersection.	
SAMPLER		2" diameter, 2' long split-spoon				
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
20.0-20.8 Brown PEAT (PT)		- 20 -		9	1.8	2	0910	10.0	0.0	0910	N/A	N/A	Unidentifiable odors, strong, no staining visible
20.8-24.0 light gray, SILTY CLAY (CL)		- -				2		5.2	0.0				Sample SB-52(21.0-21.5) collected at 0919 for TCL SVOC, TCL VOC, TAL Metals, Total and Amenable CN
		- 21 -			3		98.8	0.0					
		- -			3								
		- 22 -											
		- -		10	1.3	3	0915	15	0.0	0915	N/A	N/A	
		- -				5		20	0.0				
		- 23 -			6		14.3	0.0					
		- -			6								
24.0-24.9 Grayish red fine to coarse SAND (SW), trace silt		- 24 -		11	2.0	4	0928	0.0	0.0	0928	N/A	N/A	
24.9-25.2 angular gravel/cobble fragments, 1/4" in diameter		- -				5		0.0	0.0				
		- 25 -			7		0.0	0.0					
25.2-26.0 Reddish brown (2.5YR4/4) fine to medium SAND (SW), trace silt		- -				7		0.0	0.0				
		- 26 -											
26.0-28.0 Reddish brown (2.5YR4/4) fine to medium SAND (SW), trace silt, with some fine (1/8") gravel layers up to 1" thick		- -		12	1.2	6	0933	0.0	0.0	0933	N/A	N/A	
		- -				7		0.0	0.0				
		- 27 -			7		0.0	0.0					
28.0-29.4 Reddish brown (2.5YR4/4) fine to medium SAND (SW), trace silt, with some fine (1/8") gravel layers up to 1" thick, and with some coarse sand		- -				7							
		- 28 -		13	2.0	7	0942	0.0	0.0	0942	N/A	N/A	
		- -			6		0.0	0.0					
29.4-30.0 Reddish brown (2.5YR4/4) fine SILTY SAND (SM)		- 29 -				7		0.0	0.0				
		- -			6		0.0	0.0					
		- 30 -											

LOG OF SOIL BORING SB-52

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			12.22		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/22/06		11/27/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			56		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 26	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 4.8	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A	BORING LOCATION: Western shoulder of Carteret Avenue, 88 ft SE from the southern corner of the Halladay Street / Carteret Avenue intersection.		
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
30.0-34.0 Reddish brown (2.5YR5/4) fine SANDY SILT (ML)		- 30 -		14	0.8	5	1003	0.0	0.1	1003	N/A	N/A	No odors, no sheen
		- -			6		0.0	0.0					
		- 31 -			6								
		- -			7								
		- 32 -		15	1.1	5	1012	0.0	0.0	1012	N/A	N/A	No odors, no sheen
		- -			7		0.0	0.0					
		- 33 -			9		0.0	0.0					
		- -			9								
34.0-44.0 Reddish brown (2.5YR5/4) fine SILTY SAND (SM)		- 34 -		16	1.1	4	1031	0.0	0.0	1031	N/A	N/A	Extremely faint naphthalene-like odors, no sheen, no staining, no product
		- -			5		0.0	0.0					
		- 35 -			5		1.4	0.0					
		- -			5								
		- 36 -		17	0.8	4	1033	1.9	0.0	1033	N/A	N/A	Sample SB-52(36.3-36.8) collected at 1039 for TCL SVOC, TCL VOC, TAL Metals, Total and Amenable CN
		- -			4		5.6	0.0					
		- 37 -			5								
		- -			6								
		- 38 -		18	1.2	4	1043	3.3	0.0	1043	N/A	N/A	Extremely faint odors, unidentifiable, possibly naphthalene-like
		- -			4		2.5	0.0					
		- 39 -			4		11.6	0.0					
		- -			5								
		- 40 -											

LOG OF SOIL BORING SB-52

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			12.22		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/22/06		11/27/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			56		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 26	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 4.8	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A	BORING LOCATION: Western shoulder of Carteret Avenue, 88 ft SE from the southern corner of the Halladay Street / Carteret Avenue intersection.		
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
34.0-44.0 Reddish brown (2.5YR5/4) fine SILTY SAND (SM)		- 40 -		19	1.0	3	1056	9.5	0.0	1056	N/A	N/A	Faint naphthalene-like odors, no sheen, no staining, no product at top of spoon; no odors noted from 40.5 down
		- -				2		0.8	0.0				
		- 41 -				2							
		- -				2							
		- 42 -		20	1.2	2	1100	11.5	0.0	1100	N/A	N/A	Dark layer observed at 42.9' in this spoon Sample SB-52(42.9-43.2) collected at 1100 for TCL SVOC, TCL VOC, TAL Metals, Total and Amenable CN
		- -				3		1.0	0.0				
		- 43 -				3		0.0	0.0				
		- -				4							
44.0-48.8 Reddish brown (2.5YR5/4) fine SANDY SILT (ML)		- 44 -		21	1.2	2	1115	0.0	0.0	1115	N/A	N/A	No odors noted in this spoon
		- -				3		0.0	0.0				
		- 45 -				3		0.0	0.0				
		- -				3							
		- 46 -		22	1.2	3	1117	0.0	0.0	1117	N/A	N/A	No odors noted in this spoon
		- -				4		0.0	0.0				
		- 47 -				3		0.0	0.0				
		- -				5							
48.8-50.6 Reddish brown (2.5YR5/4) fine SANDY SILT (ML), with silty clay		- 48 -		23	1.0	4	1129	0.0	0.0	1129	N/A	N/A	No odors noted in this spoon
		- -				4		0.0	0.0				
		- 49 -				4							
		- -				4							
		- 50 -											

LOG OF SOIL BORING SB-52

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			12.22		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/22/06		11/27/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			56		not encountered	
TYPE BIT		Hollow-stem auger	SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST.	26
CASING		N/A	N/A	UNDIST.	N/A	CORE
CASING HAMMER		WEIGHT	N/A	WATER DEPTH	FIRST	4.8
SAMPLER		2" diameter, 2' long split-spoon	DROP	N/A	COMPL.	N/A
SAMPLER HAMMER		WEIGHT	140 lbs.	24HR	N/A	BORING LOCATION: Western shoulder of Carteret Avenue, 88 ft SE from the southern corner of the Halladay Street / Carteret Avenue intersection.
SAMPLER HAMMER		WEIGHT	140 lbs.	DROP	30"	INSPECTOR
SAMPLER HAMMER		WEIGHT	140 lbs.	DROP	30"	Eric Gaulin

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
48.8-50.6 Reddish brown (2.5YR5/4) fine SANDY SILT (ML), with silty clay		- 50 -		24	1.2		1139	0.0	0.0	1139	N/A	N/A	No odors noted in this spoon
		- -						0.0	0.0				
		- 51 -											
		- -											
50.6-52.0 Reddish brown (2.5YR5/4) fine SILTY SAND (SM)		- 52 -		25	1.7		1143	0.0	0.0	1143	N/A	N/A	No odors noted in this spoon
		- -						0.0	0.0				
		- 53 -						0.0					
		- -						0.0					
52.0-55.2 dark reddish brown (2.5YR3/3) fine to medium SAND (SW), trace silt		- 54 -		26	1.2		1155	0.0	0.0	1155	N/A	N/A	Sample SB-54(55.5-56.0) collected at 1157 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
		- -						0.0	0.0				
		- 55 -						0.0	0.0				
		- -						0.0	0.0				
End of Boring at 56'		- 56 -											
		- -											
		- 57 -											
		- -											
		- 58 -											
		- -											
		- 59 -											
		- -											
		- 60 -											

LOG OF SOIL BORING SB-54

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER																		
Halladay Street , Jersey City, NJ			11.40		020667601																		
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED																	
Advanced Drilling, Inc.		Roger Logel		11/27/06		11/28/06																	
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)																	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers				56		not encountered																	
TYPE BIT		Hollow-stem auger		SIZE AND TYPE CORE BARREL		NO. SAMPLES		DIST.		26		UNDIST.		N/A		CORE		N/A					
CASING		N/A		N/A		WATER DEPTH		FIRST		4.8		COMPL.		N/A		24HR		N/A					
CASING HAMMER		WEIGHT		N/A		DROP		N/A		BORING LOCATION: Eastern shoulder of Carteret Avenue, 95 ft SE from the eastern corner of the Halladay Street / Carteret Avenue intersection.													
SAMPLER						2" diameter, 2' long split-spoon																	
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"		INSPECTOR										Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
Cleared via hand digging to 4'; boring through asphalt; Fill consisted of brownish yellow (10YR6/8) fine to medium sand		- 0 -											
		- -											
		- 1 -											
		- -											
		- 2 -											
		- -											
		- 3 -											
		- -											
		- 4 -											
4.0-4.2 FILL: black fill, silt, wood		- -		1	0.8	1	1455	0.0	0.0	1455	N/A	N/A	No odors or other evidence of contamination
4.2-6.0 FILL: white gray ash material (AM), clinker		- -				1		0.0	0.0				
		- 5 -				1							
		- -				1							
6.0-6.9 Black fine SAND with silty clay, highly plastic (SP)		- 6 -		2	1.1	1	1457	0.0	0.0	1457	N/A	N/A	No odors or other evidence of contamination
6.9-8.4 Disturbed brownish peat (PT) and organic matter		- -				1		0.0	0.0				
		- 7 -				1		0.0	0.0				
		- -				1							
8.4-10.0 Reddish grayish SILTY SANDY CLAY (CL)		- 8 -		3	0.7	1	1503	0.0	0.0	1503	N/A	N/A	No odors or other evidence of contamination
		- -				1		0.0	0.0				
		- 9 -				1		0.0	0.0				
		- -				1							
		- 10 -											

LOG OF SOIL BORING SB-54

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER		
Halladay Street , Jersey City, NJ				11.40		020667601		
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED		
Advanced Drilling, Inc.		Roger Logel		11/27/06		11/28/06		
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)		
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers				56		not encountered		
TYPE BIT	Hollow-stem auger		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 26	UNDIST. N/A	CORE N/A
CASING	N/A		N/A		WATER DEPTH	FIRST 4.8	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A		BORING LOCATION: Eastern shoulder of Carteret Avenue, 95 ft SE from the eastern corner of the Halladay Street / Carteret Avenue intersection.			
SAMPLER		2" diameter, 2' long split-spoon						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"		INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time	
												Date	
10.0-14.0 Reddish grayish SILTY SANDY CLAY (CL), disturbed, trace wood, trace fine gravel		- 10 -		4	1.0	2	1512	0.0	0.0	1512	N/A	N/A	Sample SB-54(10.0-10.5) collected at for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
		- -			2		0.0	0.0					
		- 11 -			2								
		- -			3								
		- 12 -		5	0.7	2	1512	0.0	0.0	1512	N/A	N/A	
		- -			3		0.0	0.0					
		- 13 -			2								
		- -			3								
14.0-20.7 Very dark greenish gray (GLEY1 3/1 10Y), organic CLAY (OH), less than 1% peat fibers		- 14 -		6	2.0	1	1525	3.7	0.0	1525	N/A	N/A	Anaerobic, swampy odors
		- -			1		3.0	0.0					
		- 15 -			1		1.0						
		- -			1		0.0						
		- 16 -		7	2.0	1	1526	1.0	0.0	1526	N/A	N/A	Anaerobic, swampy odors
		- -			1		3.2	0.0					
		- 17 -			1		0.0	0.0					
		- -			1		5.2	0.0					
		- 18 -		8	2.0	1	1533	8.1	0.0	1533	N/A	N/A	Anaerobic, swampy odors
		- -			1		9.7	0.0					
		- 19 -			1		4.2	0.0					
		- -			1		1.0	0.0					
	- 20 -												

LOG OF SOIL BORING SB-54

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)				PROJECT NUMBER							
Halladay Street , Jersey City, NJ				11.40				020667601							
DRILLING CONTRACTOR			FOREMAN		DATE STARTED				DATE COMPLETED						
Advanced Drilling, Inc.			Roger Logel		11/27/06				11/28/06						
DRILLING EQUIPMENT					COMPLETION DEPTH (FT BGS)				ROCK DEPTH (FT)						
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers					56				not encountered						
TYPE BIT			Hollow-stem auger		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	26	UNDIST.	N/A	CORE	N/A		
CASING			N/A		N/A		WATER DEPTH	FIRST	4.8	COMPL.	N/A	24HR	N/A		
CASING HAMMER		WEIGHT		N/A		DROP		N/A		BORING LOCATION: Eastern shoulder of Carteret Avenue, 95 ft SE from the eastern corner of the Halladay Street / Carteret Avenue intersection.					
SAMPLER		2" diameter, 2' long split-spoon													
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"		INSPECTOR				Eric Gaulin	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	(PPM)					
								Sample	Ambient Air	Time	Head Space	Time Date	
14.0-20.7 Very dark greenish gray (GLE Y1 3/1 10Y), organic CLAY (OH), less than 1% peat fibers		- 20 -		9	1.7	1	1541	3.3	0.0	1541	N/A	N/A	Anaerobic, swampy odors
		- -			3		n/a	0.0					
		- 21 -			3		n/a	0.0					
		- -		4		4.4	0.0						
20.7-24.8 Light gray fine SILTY SAND, 10% rounded gravel (SP)		- 22 -		10	1.6	4	1544	1.3	0.0	1544	N/A	N/A	Drilling ended here 11-27-06
		- -			5		4.0	0.0					
		- 23 -			5		0.0	0.0					
		- -		5									
24.8-26.0 Reddish brown (2.5YR4/4) fine to medium SAND (SW), trace silt		- 24 -		11	1.2	2	0835	0.0	0.0	0835	N/A	N/A	Drilling resumed here 11-28-06
		- -			2		16.4	0.0					
		- 25 -			2		5.5	0.0					
		- -		2									
26.0-27.2 Greyish red fine to coarse SAND (SW), trace silt		- 26 -		12	1.9	2	0843	12.7	0.0	0843	N/A	N/A	Extremely faint naphthalene-like odors, no sheen, no staining, no product
		- -			3		21.1	0.0					
		- 27 -			2		8.6	0.0					
		- -		2		11.4	0.0						
27.2-32.6 Dark reddish gray (5YR4/2) fine to medium SAND (SW), trace silt		- 28 -		13	1.6	2	0855	10.6	0.0	0855	N/A	N/A	Extremely faint naphthalene-like odors, no sheen, no staining, no product
		- -			2		21.4	0.0					
		- 29 -			2		20.0	0.0					
		- -		2									
		- 30 -											

LOG OF SOIL BORING SB-54

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER		
Halladay Street , Jersey City, NJ				11.40		020667601		
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED		
Advanced Drilling, Inc.		Roger Logel		11/27/06		11/28/06		
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)		
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers				56		not encountered		
TYPE BIT	Hollow-stem auger		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 26	UNDIST. N/A	CORE N/A
CASING	N/A		N/A		WATER DEPTH	FIRST 4.8	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A		BORING LOCATION: Eastern shoulder of Carteret Avenue, 95 ft SE from the eastern corner of the Halladay Street / Carteret Avenue intersection.			
SAMPLER		2" diameter, 2' long split-spoon						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"		INSPECTOR Eric Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
27.2-32.6 Dark reddish gray (5YR4/2) fine to medium SAND (SW), trace silt		- 30 -		14	1.0	2	0908	11.8	0.0	0908	N/A	N/A	Faint naphthalene-like odors, no sheen, no staining, no product
		- -				1		20.3	0.0				
		- 31 -				2							
		- -				2							
32.6-32.7 Reddish brown (2.5YR5/4) fine SANDY SILT (ML)		- 32 -		15	1.6	2	0913	4.6	0.0	0913	N/A	N/A	Faint naphthalene-like odors, no sheen, no staining, no product
		- -				3		7.9	0.0				
		- 33 -				2		8.3	0.0				
		- -				2		0.0	0.0				
32.7-36.0 Reddish brown (2.5YR5/4) fine SILTY SAND (SM)		- 34 -		16	0.8	2	0922	3.2	0.0	0922	N/A	N/A	Faint naphthalene-like odors, no sheen, no staining, no product
		- -				2		7.0	0.0				
		- 35 -				2							
		- -				2							
36.0-38.0 Reddish brown (2.5YR5/4) fine SAND (SP), trace silt		- 36 -		17	1.2	2	0924	10.6	0.0	0924	N/A	N/A	Stronger naphthalene-like odors, no sheen, no staining, no product Sample SB-54(36.5-37.0) collected at 0928 for TCL SVOC, TCL VOC, TAL Metals, Total and Amenable CN
		- -				2		21.5	0.0				
		- 37 -				2		8.3	0.0				
		- -				2							
38.0-42.0 Reddish brown (2.5YR5/4) fine SANDY SILT (ML)		- 38 -		18	1.1	2	0933	10.2	0.0	0933	N/A	N/A	Naphthalene-like odors, no sheen, no staining, no product
		- -				1		15.3	0.0				
		- 39 -				2		33.2	0.0				
		- -				2							
		- 40 -											

LOG OF SOIL BORING SB-54

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			11.40		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/27/06		11/28/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			56		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 26	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 4.8	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A	BORING LOCATION: Eastern shoulder of Carteret Avenue, 95 ft SE from the eastern corner of the Halladay Street / Carteret Avenue intersection.		
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
38.0-42.0 Reddish brown (2.5YR5/4) fine SANDY SILT (ML)		- 40 -		19	0.4	2	0955	0.3	0.0	0955	N/A	N/A	Faint naphthalene-like odors, no sheen, no staining, no product
		- -				2							
		- 41 -				2							
		- -				3							
42.0-42.6 Reddish brown (2.5YR5/4) fine SILTY SAND (SM)		- 42 -		20	1.4	2	1006	12.9	0.0	1006	N/A	N/A	Faint naphthalene-like odors, no sheen, no staining, no product Sample SB-54(42.5-43.0) collected at 1100 for TCL SVOC, TCL VOC, TAL Metals, Total and Amenable CN
42.6-46.3 Reddish brown (2.5YR5/4) fine SANDY SILT (ML)		- -				2		0.3	0.0				
		- 43 -				2		4.6	0.0				
		- -				2							
		- 44 -		21	1.1	2	1036	0.0	0.0	1036	N/A	N/A	No odors this spoon
		- -				2		0.0	0.0				
		- 45 -				2		0.0	0.0				
		- -				3							
46.3-48.0 Reddish brown (2.5YR5/4) SILTY CLAY (CL), trace fine sand		- 46 -		22	0.8	2	1047	0.0	0.0	1047	N/A	N/A	No odors this spoon
		- -				3		0.0	0.0				
		- 47 -				3		0.0	0.0				
		- -				3							
48.0-52.0 Reddish brown (2.5YR5/4) fine SAND (SP), trace silt		- 48 -		23	1.1	3	1100	0.0	0.0	1100	N/A	N/A	No odors his spoon
		- -				3		0.0	0.0				
		- 49 -				3		0.0	0.0				
		- -				3							
		- 50 -											

LOG OF SOIL BORING SB-54

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)				PROJECT NUMBER							
Halladay Street , Jersey City, NJ				11.40				020667601							
DRILLING CONTRACTOR			FOREMAN		DATE STARTED				DATE COMPLETED						
Advanced Drilling, Inc.			Roger Logel		11/27/06				11/28/06						
DRILLING EQUIPMENT					COMPLETION DEPTH (FT BGS)				ROCK DEPTH (FT)						
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers					56				not encountered						
TYPE BIT			Hollow-stem auger		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	26	UNDIST.	N/A	CORE	N/A		
CASING			N/A		N/A		WATER DEPTH	FIRST	4.8	COMPL.	N/A	24HR	N/A		
CASING HAMMER		WEIGHT		N/A		DROP		N/A		BORING LOCATION: Eastern shoulder of Carteret Avenue, 95 ft SE from the eastern corner of the Halladay Street / Carteret Avenue intersection.					
SAMPLER		2" diameter, 2' long split-spoon													
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"		INSPECTOR				Eric Gaulin	

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
48.0-52.0 Reddish brown (2.5YR5/4) fine SAND (SP), trace silt		- 50 -		24	0.9	3	1123	0.0	0.0	1123	N/A	N/A	
		- - -				3		0.0	0.0				
		- 51 -				2							
		- - -				3							
52.0-56.0 Reddish brown (2.5YR5/4) fine to medium SAND (SW)		- 52 -		25	2.0	2	1125	0.0	0.0	1125	N/A	N/A	
		- - -				3		0.0	0.0				
		- 53 -				3		0.0					
		- - -				3		0.0					
		- 54 -		26	2.0	3	1127	0.0	0.0	1127	N/A	N/A	Sample SB-54(55.5-56.0) collected at 1127 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
		- - -				3		0.0	0.0				
		- 55 -				3		0.0	0.0				
		- - -				3		0.0	0.0				
End of Boring at 56'		- 56 -											
		- - -											
		- 57 -											
		- - -											
		- 58 -											
		- - -											
		- 59 -											
		- - -											
		- 60 -											
		- - -											

LOG OF SOIL BORING SB-56

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			13.21		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/20/06		11/20/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			32		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 14	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 1.6	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A	BORING LOCATION: 20 ft behind curb on west side of Halladay Street, 63 ft SW from the western corner of the Halladay St. / Carteret Ave. intersection.		
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
Cleared via hand digging to 4'; boring through asphalt; Fill consisted of reddish brown sand to 2'. 2' to 4' grayish silty sand, with suspected chromate ore processing residue (COPR)		- 0 -											
		- -											
		- 1 -											
		- -											
		- 2 -											
		- -											
		- 3 -											
		- -											
		- 4 -											
		- -											
4.0-12.8 FILL: grayish silty sand, COPR, some reddish brown fine silty sand, occassional white nodules, some bright yellow nodules		- -		1	1.2	2	0939	0.0	0.0	0939	N/A	N/A	No evidence of MGP contamination
		- 5 -				1		0.0	0.0				
		- -				1		0.0	0.0				
		- -				2							
		- 6 -											
		- -		2	1.8	1	0941	0.0	0.0	0941	N/A	N/A	No evidence of MGP contamination
		- 7 -				1		0.0	0.0				
		- -				2		0.0	0.0				
		- -				4		0.0	0.0				
		- 8 -											
		- -		3	2.0	1	0950	0.0	0.0	0950	N/A	N/A	No evidence of MGP contamination
		- 9 -				2		0.0	0.0				
		- -				2		0.0	0.0				
		- 10 -				2		0.0	0.0				

LOG OF SOIL BORING SB-56

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street , Jersey City, NJ			13.21		020667601	
DRILLING CONTRACTOR		FOREMAN	DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel	11/20/06		11/20/06	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers			32		not encountered	
TYPE BIT Hollow-stem auger		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 14	UNDIST. N/A	CORE N/A
CASING N/A		N/A	WATER DEPTH	FIRST 1.6	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A	BORING LOCATION: 20 ft behind curb on west side of Halladay Street, 63 ft SW from the western corner of the Halladay St. / Carteret Ave. intersection.		
SAMPLER 2" diameter, 2' long split-spoon						
SAMPLER HAMMER		WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin		

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
4.0-12.8 FILL: grayish silty sand, COPR, some reddish brown fine silty sand, occassional white nodules, some bright yellow nodules		- 10 -		4	2.0	2	0952	0.0	0.0	0952	N/A	N/A	No evidence of MGP contamination
		- -				2		0.0	0.0				
		- 11 -				3		0.0	0.0				
		- -				2		0.0	0.0				
12.8-13.4 FILL: black gravel, clinker material (CM)		- 12 -		5	2.0	1	1005	0.0	0.0	1005	N/A	N/A	No evidence of MGP contamination; fishy, septic-like odors
		- -				2		0.0	0.0				
		- 13 -				2		0.0	0.0				
		- -				2		0.0	0.0				
13.4-16.4 FILL: Bright green COPR, with some gravel mixed throughout		- 14 -		6	1.6	1	1009	0.0	0.0	1009	N/A	N/A	No evidence of MGP contamination
		- -				2		0.0	0.0				
		- 15 -				1		0.0	0.0				
		- -				2		0.0	0.0				
16.4-16.7 Brown PEAT (PT), with black staining		- 16 -		7	1.9	1	1013	0.0	0.0	1013	N/A	N/A	Black staining, with tobacco/cigar-like odors 16.5-17.0; no free product; Sample SB-56(16.5-17.0) collected at 1020 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN; anaerobic swampy odors below
		- -				1		4.3	0.0				
		- 17 -				1		7.0	0.0				
		- -				1		9.8	0.0				
16.7-20.7 Brown fibrous PEAT (PT), with trace clay		- 18 -		8	2.0	1	1025	46	0.0	1025	N/A	N/A	Anaerobic, swampy odors Sample SB-56(19.0-19.5) collected at 1030 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN
		- -				1		118	0.0				
		- 19 -				2		108	0.0				
		- -				2		101	0.0				
		- 20 -											


LOG OF SOIL BORING SB-56

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER		
Halladay Street , Jersey City, NJ			13.21		020667601		
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		Roger Logel		11/20/06		11/20/06	
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers				32		not encountered	
TYPE BIT	Hollow-stem auger	SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 14	UNDIST. N/A	CORE N/A
CASING	N/A	N/A		WATER DEPTH	FIRST 1.6	COMPL. N/A	24HR N/A
CASING HAMMER		WEIGHT N/A	DROP N/A	BORING LOCATION: 20 ft behind curb on west side of Halladay Street, 63 ft SW from the western corner of the Halladay St. / Carteret Ave. intersection.			
SAMPLER 2" diameter, 2' long split-spoon							
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"	INSPECTOR Eric Gaulin				

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
16.7-20.7 Brown fibrous PEAT (PT), with trace clay		- 20 -		9	1.3	1	1032	25.3	0.0	1032	N/A	N/A	Anaerobic, swampy odors
		- -				1		12.1	0.0				
		- 21 -				2		8.9	0.0				
		- -				2							
20.7-22.4 Very dark greenish gray (GLE Y1 3/1 10Y) organic CLAY (OH), 5% peat fibers		- 22 -		10	1.4	2	1033	3.4	0.0	1033	N/A	N/A	Anaerobic, swampy odors
		- -				5		6.8	0.0				
		- 23 -				7		7.1	0.0				
		- -				6							
22.4-24.5 Dark gray (GLE Y1 4/N) fine SILTY SAND (SM) with trace silt		- 24 -		11	1.3	5	1045	5.7	0.0	1045	N/A	N/A	No odors this spoon
		- -				6		1.3	0.0				
		- 25 -				6		1.0	0.0				
		- -				7							
24.5-24.8 Dark gray (GLE Y1 4/N) GRAVEL, 1" to 1/4" (GW), trace sand, trace clay		- 26 -		12	1.3	6	1052	0.0	0.0	1052	N/A	N/A	No odors this spoon
		- -				8		0.0	0.0				
		- 27 -				8		0.0	0.0				
		- -				10							
24.8-26.1 Dark greenish gray (GLE Y1 4/1 5G) fine SILTY SAND (SM), trace fine 1/8" gravel, little clay, very tight		- 28 -		13	1.7	6	1106	0.0	0.0	1106	N/A	N/A	No odors this spoon
		- -				7		0.0	0.0				
		- 29 -				7		0.0	0.0				
		- -				8		0.0	0.0				
26.1-26.4 Olive gray (5Y4/2) SILT (MH), trace clay, very firm		- 30 -											
		- -											
		- 30 -											
		- -											
26.4-28.6 Dark grayish brown (2.5Y4/2) fine to medium SAND (SW), trace silt, trace coarse sand, trace fine gravel		- 30 -											
		- -											
		- 30 -											
		- -											
28.6-28.9 Reddish brown (2.5Y4/4) fine SILTY SAND (SM)		- 30 -											
		- -											
		- 30 -											
		- -											
28.9-30.0 Weak red (2.5YR4/2) fine to medium SAND (SW), trace gravel, trace coarse sand		- 30 -											
		- -											
		- 30 -											
		- -											

LOG OF SOIL BORING SB-56

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER								
Halladay Street , Jersey City, NJ			13.21		020667601								
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED							
Advanced Drilling, Inc.		Roger Logel		11/20/06		11/20/06							
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)							
GEFCO SS 5 Drill Rig turning 4.25-inch hollow-stem augers				32		not encountered							
TYPE BIT	Hollow-stem auger		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	14	UNDIST.	N/A	CORE	N/A		
CASING	N/A		N/A		WATER DEPTH	FIRST	1.6	COMPL.	N/A	24HR	N/A		
CASING HAMMER		WEIGHT		N/A		DROP		N/A		BORING LOCATION: 20 ft behind curb on west side of Halladay Street, 63 ft SW from the western corner of the Halladay St. / Carteret Ave. intersection.			
SAMPLER		2" diameter, 2' long split-spoon											
SAMPLER HAMMER		WEIGHT		140 lbs.		DROP		30"		INSPECTOR		Eric Gaulin	


DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Head Space	Time Date	
30.0-31.1 Weak red (2.5YR4/2) fine to medium SAND (SW), trace silt END OF BORING AT 32 FEET BGS		- 30 -										Sample SB-56(30.5-31.0) collected at 1124 for TCL VOC, TCL SVOC, TAL Metals, Total and Amenable CN	
		14	1.1	5	1121	0.0	0.0	1121	N/A	N/A			
				6		0.0	0.0						
				6		0.0	0.0						
		- 31 -											
				7									
		- 32 -											
		- - -											
		- 33 -											
		- - -											
		- 34 -											
		- - -											
		- 35 -											
		- - -											
		- 36 -											
		- - -											
		- 37 -											
		- - -											
		- 38 -											
		- - -											
		- 39 -											
- - -													
- 40 -													

PSEG-SB57, 58, 62 and 67

No Boring Log Available

LOG OF SOIL BORING SB-25

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER		
Halladay Street, Jersey City, New Jersey				12.91		020667601		
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED		
Advanced Drilling, Inc.		R. Empson		04/13/04		04/15/04		
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)		
Hollow Stem Auger				95'		92.5'		
TYPE BIT	4.25" diameter		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 43	UNDIST. 0	CORE 0
CASING	N/A		N/A		WATER DEPTH	FIRST 6.0'	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A		DROP N/A		BORING LOCATION			
SAMPLER 2" diameter 2' split-spoon				In front of Halstead building, east side of Halladay St.				
SAMPLER HAMMER	WEIGHT 140 lbs.		DROP 30"		INSPECTOR E. Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Dust	Time Date	
0-0.5' FILL: Black GRAVEL (GW), fine to medium sand, asphalt fragments.		0		1	1.0	26	13:12	N/A	N/A		N/A	N/A	Heavy rain affecting PID; PID not used
0.5-1.0' FILL: Black, gray and tan SAND (SP), mottled		-				28							
		- 1				19							
		-				12							
2.0-10.5' FILL: Gray to black SAND (SP), firm. Trace coal and glass fragments		- 2		2	1.0	3	13:21	N/A	N/A		N/A	N/A	
		-				2							
		- 3				2							
		-				2							
		- 4		3	1.0	3	13:23	N/A	N/A		N/A	N/A	Organic odors noted
0.2' layer of black fine silty sand. Trace Clinker Material (CM) from 4.0'		-				3							
		- 5				3							
		-				3							
		- 6		4	1.0	3	13:25	N/A	N/A		N/A	N/A	No odors, loose, wet.
Black cinders and clinker material (CM), some white ash material (AM).		-				1							
		- 7				2							
		-				3							
		- 8		5	1.0	2	13:36	N/A	N/A		N/A	N/A	
		-				2							
		- 9				2							
		-				1							
10.5-11.0' Grayish brown (10YR 5/2) fine to medium SAND (SW), little silt.		- 10		6	1.0	6	13:40	N/A	N/A		N/A	N/A	Suspected native soil at approximately 10.5'.
		-				8							
		- 11				13							
		-				15							
		- 12											

LOG OF SOIL BORING SB-25

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER		
Halladay Street, Jersey City, New Jersey				12.91		020667601		
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED		
Advanced Drilling, Inc.		R. Empson		04/13/04		04/15/04		
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)		
Hollow Stem Auger				95'		92.5'		
TYPE BIT	4.25" diameter		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 43	UNDIST. 0	CORE 0
CASING	N/A		N/A		WATER DEPTH	FIRST 6.0'	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A		DROP N/A		BORING LOCATION			
SAMPLER 2" diameter 2' split-spoon				In front of Halstead building, east side of Halladay St.				
SAMPLER HAMMER	WEIGHT 140 lbs.		DROP 30"		INSPECTOR E. Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Dust	Time Date	
12.0-12.2' Fragment of reddish brown siltstone		- 12 -		7	0.5	13	13:45	N/A	N/A		N/A	N/A	Organic odors noted.
12.2-12.6' Light reddish brown (5YR 6/3) fine SILTY SAND (SM)		- 13 -											
		- 13 -											
		- 14 -											
14.0-14.5' Gray (GLE Y1 6/N) SILTY CLAY (CL)		- 14 -		8	1.5	1	13:52	N/A	N/A		N/A	N/A	
14.5-18.7' Peat (PT) with coarse plant fragments.		- 15 -				1							
		- 15 -				1							
		- 16 -				1							
Less organic material from 16.0'		- 16 -		9	1.5	3	13:57	N/A	N/A		N/A	N/A	
		- 17 -				5							
		- 17 -				5							
		- 18 -				3							
18.7-20.2' Greenish gray (GLE Y2 5/1) CLAY (CL), trace fine sand at top of spoon.		- 18 -		10	1.4	4	14:07	N/A	N/A		N/A	N/A	
		- 19 -				5							
		- 19 -				4							
		- 20 -				5							
20.2-21.0' Dark greenish gray (GLE Y2 4/1) SILTY SAND and fine to medium SAND (SM), poorly sorted, little (10%) subrounded gravel.		- 20 -		11	1.0	5	14:15	N/A	N/A		N/A	N/A	Slight naphthalene-like odor at 21.0'.
		- 21 -				7							
		- 21 -				9							
		- 22 -				9							
22.0-23.7' Dark greenish gray (GLE Y2 4/1) fine to medium SAND (SW), little silt.		- 22 -		12	2.0	7	14:20	N/A	N/A		N/A	N/A	Naphthalene-like odors, no visual indications of staining.
23.7-24.0' Reddish brown (2.5YR 4/4) fine to medium SAND (SW), trace silt.		- 23 -				8							
		- 23 -				11							
		- 24 -				17							

LOG OF SOIL BORING SB-25

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER		
Halladay Street, Jersey City, New Jersey				12.91		020667601		
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED		
Advanced Drilling, Inc.		R. Empson		04/13/04		04/15/04		
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)		
Hollow Stem Auger				95'		92.5'		
TYPE BIT	4.25" diameter		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 43	UNDIST. 0	CORE 0
CASING	N/A		N/A		WATER DEPTH	FIRST 6.0'	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A		DROP N/A		BORING LOCATION			
SAMPLER 2" diameter 2' split-spoon				In front of Halstead building, east side of Halladay St.				
SAMPLER HAMMER	WEIGHT 140 lbs.		DROP 30"		INSPECTOR E. Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Dust	Time Date	
24.0-36.0' Reddish brown (2.5YR 4/4) fine to medium SAND (SW), trace silt		- 24 -											
			13	1.0	3	14:28	N/A	N/A		N/A	N/A		
					5								
		- 25 -			6							15:12 Collected sample SB-25 (25.5-26.0) forTCL VOC, TCL SVOC, TAL Metals, CN	
					6								
		- 26 -											
			14	1.0	5	15:11	N/A	N/A		N/A	N/A	Slight odors	
					5								
		- 27 -			6								
					7								
		- 28 -											
			15	2.0	3	15:15	N/A	N/A		N/A	N/A	Firm, wet. Odors still possibly associated with groundwater.	
					4								
		- 29 -			4								
					5								
		- 30 -											
			16	1.0	1	15:28	N/A	N/A		N/A	N/A	Odors.	
					2								
		- 31 -			3								
					3								
		- 32 -											
			17	1.5	3	15:35	N/A	N/A		N/A	N/A	Naphthalene-like odors.	
					4								
		- 33 -			4								
					5								
	- 34 -												
		18	1.0	5	15:45	N/A	N/A		N/A	N/A	Odors.		
				3									
	- 35 -			3									
				3									
	- 36 -												

LOG OF SOIL BORING SB-25

PROJECT LOCATION Halladay Street, Jersey City, New Jersey			GROUND ELEVATION (FT. MSL) 12.91		PROJECT NUMBER 020667601	
DRILLING CONTRACTOR Advanced Drilling, Inc.		FOREMAN R. Empson	DATE STARTED 04/13/04		DATE COMPLETED 04/15/04	
DRILLING EQUIPMENT Hollow Stem Auger			COMPLETION DEPTH (FT BGS) 95'		ROCK DEPTH (FT) 92.5'	
TYPE BIT 4.25" diameter		SIZE AND TYPE CORE BARREL	NO. SAMPLES	DIST. 43	UNDIST. 0	CORE 0
CASING N/A		N/A	WATER DEPTH	FIRST 6.0'	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	DROP N/A	BORING LOCATION			
SAMPLER 2" diameter 2' split-spoon			In front of Halstead building, east side of Halladay St.			
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"	INSPECTOR E. Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. BL/6in	Time	Sample	Ambient Air	Time	Dust	Time Date	
36.0-38.5 Reddish brown (2.5YR 4/4) fine to medium SAND (SW), trace silt, grading to fine SILTY SAND (SM)		- 36 -		19	2.0	3	15:50	N/A	N/A		N/A	N/A	Odors. Groundwater had greenish tinge. 15:59 Collected sample SB-25 (36.0-36.5)
		- -			4								
		- 37 -			4								
		- -			4								
		- -			4								
38.5-44.7' Reddish brown (2.5YR 4/4) SILTY FINE SAND and FINE SANDY SILT (SM), tight.		- 38 -		20	1.5	3	15:58	N/A	N/A		N/A	N/A	
		- -			4								
		- 39 -			5								
		- -			5								
		- 40 -		21	1.0	2	8:40	N/A	N/A		N/A	N/A	
Becoming coarser with more silty fine sand.		- -			2								Start drilling on 4/14/2004; no PID readings due to rain and humidity Odors. Groundwater had noticeable greenish tinge.
		- 41 -			3								
		- -			3								
		- 42 -		22	2.0	3	8:45	N/A	N/A		N/A	N/A	
		- -			4								
44.7-45.1' Reddish brown (2.5YR 4/4) FINE SILTY SAND (SM)		- 43 -			6								Odors and oil material (OM) 44.0-44.8'. Positive hydrophobic dye test. 9:03 Collected sample SB-25 (44.0-44.5) for TCL VOC, TCL SVOC, TAL Metals, CN
		- -			8								
		- 44 -		23	2.0	5	9:01	N/A	N/A		N/A	N/A	
		- 45 -			6								
		- -			7								
45.1-63.5' SILTY FINE SAND (SM)		- 46 -			6								No sheen but slight odors noted.
		- -											
		- 47 -		24	2.0	5	9:07	N/A	N/A		N/A	N/A	
		- -			5								
		- 48 -			8								
47.5-48.0' Reddish gray (2.5YR 5/1) CLAY (CL) with interbedded reddish brown (2.5YR 4/4) SILTY CLAY (CL).		- -			9								9:10 Collected sample SB-25 (47.0-47.5) for TCL VOC, TCL SVOC, TAL Metals, CN
		- 49 -											
		- -											

LOG OF SOIL BORING SB-25

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER	
Halladay Street, Jersey City, New Jersey				12.91		020667601	
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		R. Empson		04/13/04		04/15/04	
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)	
Hollow Stem Auger				95'		92.5'	
TYPE BIT	4.25" diameter		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	43
CASING	N/A		N/A		UNDIST.	0	CORE 0
CASING HAMMER		WEIGHT	N/A		WATER DEPTH	FIRST	6.0'
			DROP		N/A	COMPL.	N/A
					24HR N/A		
BORING LOCATION							
SAMPLER 2" diameter 2' split-spoon				In front of Halstead building, east side of Halladay St.			
SAMPLER HAMMER		WEIGHT	140 lbs.		INSPECTOR E. Gaulin		
			DROP 30"				

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS	
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Dust	Time Date		
48.0-54.0' Reddish gray (2.5YR 5/1) CLAY (CL), some lenses of reddish brown (2.5YR 4/4) silty clay, very firm, low plasticity		- 48 -		25	1.5	3	9:20	N/A	N/A		N/A	N/A	9:27 Collected sample SB-25 (49.5-50.0) for TCL VOC, TCL SVOC, TAL Metals, CN	
		- 49 -				5								
		- 49 -				4								
		- 50 -				5								
		- 50 -		26	1.5	2	10:33	N/A	N/A		N/A	N/A		Switched to mud rotary. Augers set at 49.0'
50.0' Some lenses of silty fine sand		- 51 -				2								
		- 51 -				4								
		- 52 -				5								
		- 52 -		27	2.0	4	10:48	N/A	N/A		N/A	N/A	No odors	
	Mostly reddish brown, thinly laminated clay and silty clay		- 53 -				4							
		- 53 -				6								
		- 54 -				6								
		- 54 -		28	2.0	4	11:01	N/A	N/A		N/A	N/A		No odors
54.0-60.0' Reddish gray (2.5YR 5/1) and reddish brown (2.5YR 4/4) CLAY (CL), some red (2.5YR 5/6) silty clay lenses, more plastic			- 55 -				4							
		- 55 -				4								
		- 56 -				7								
		- 56 -		29	2.0	5	11:07	N/A	N/A		N/A	N/A	No odors	
	Predominantly reddish brown from 57.0'		- 57 -				5							
		- 57 -				6								
		- 58 -				6								
Becoming mostly clay, highly plastic			- 58 -		30	2.0	6	11:10	N/A	N/A		N/A		N/A
			- 59 -				6							
		- 59 -				5								
		- 60 -				6								
		- 60 -												

LOG OF SOIL BORING SB-25

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER					
Halladay Street, Jersey City, New Jersey				12.91		020667601					
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED					
Advanced Drilling, Inc.		R. Empson		04/13/04		04/15/04					
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)					
Hollow Stem Auger				95'		92.5'					
TYPE BIT	4.25" diameter		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	43	UNDIST.	0	CORE	0
CASING	N/A		N/A		WATER DEPTH	FIRST	6.0'	COMPL.	N/A	24HR	N/A
CASING HAMMER	WEIGHT N/A		DROP N/A		BORING LOCATION						
SAMPLER 2" diameter 2' split-spoon				In front of Halstead building, east side of Halladay St.							
SAMPLER HAMMER	WEIGHT 140 lbs.		DROP 30"		INSPECTOR E. Gaulin						

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Dust	Time Date	
Becoming firmer with more lenses of silty clay		- 60 -		31	2.0	6	11:35	N/A	N/A		N/A	N/A	No odors
60.0-63.5' Reddish gray (2.5YR 5/1) and reddish brown (2.5YR 4/4) CLAY and SILTY CLAY (CL), laminated, firm		- - -				8							
		- 61 -				9							
		- - -				10							
		- 62 -		32	2.0	10	11:36	N/A	N/A		N/A	N/A	No odors
63.5-63.7' Reddish brown (2.5YR 4/4) FINE SILTY SAND and FINE SAND (SM)		- - -				9							
		- 63 -				8							
		- - -				13							
		- 64 -		33	2.0	8	11:51	N/A	N/A		N/A	N/A	No odors
63.7-64.5' Gray (GLE 1 6/N) CLAY and SILTY CLAY (CL), laminated		- - -				7							
		- 65 -				9							
		- - -				11							
		- 66 -		34	2.0	10	11:54	N/A	N/A		N/A	N/A	No odors
65.5-65.0' Reddish gray (2.5YR 5/1) FINE SILTY SAND (SM)		- - -				11							
		- 67 -				11							
		- - -				13							
		- 68 -		35	2.0	10	12:10	N/A	N/A		N/A	N/A	No odors
65.0-72.0' Gray (5YR 5/1) and red (2.5YR 5/6) SILTY CLAY and CLAY (CL), laminated		- - -				9							
		- 69 -				9							
		- - -				10							
		- 70 -		36	2.0	7	13:50	N/A	N/A		N/A	N/A	No odors
More frequent reddish brown (2.5YR 4/4) silty clay layers.		- - -				5							
		- 71 -				7							
		- - -				7							
		- 72 -				7							
Occasional thin lenses of reddish brown (2.5YR 4/4) silty sand.		- - -											
		- 69 -											
		- - -											
		- 70 -											
Becoming coarser with trace silty fine sand and sandy fine silt from 71.0-72.0'.		- - -											
		- 71 -											
		- - -											
		- 72 -											

LOG OF SOIL BORING SB-25

PROJECT LOCATION			GROUND ELEVATION (FT. MSL)		PROJECT NUMBER		
Halladay Street, Jersey City, New Jersey			12.91		020667601		
DRILLING CONTRACTOR		FOREMAN		DATE STARTED		DATE COMPLETED	
Advanced Drilling, Inc.		R. Empson		04/13/04		04/15/04	
DRILLING EQUIPMENT			COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)		
Hollow Stem Auger			29.0 95'		92.5'		
TYPE BIT	4.25" diameter	SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST. 43	UNDIST. 0	CORE 0
CASING	N/A	N/A		WATER DEPTH	FIRST 6.0'	COMPL. N/A	24HR N/A
CASING HAMMER	WEIGHT N/A	DROP N/A		BORING LOCATION			
SAMPLER 2" diameter 2' split-spoon			In front of Halstead building, east side of Halladay St.				
SAMPLER HAMMER	WEIGHT 140 lbs.	DROP 30"		INSPECTOR E. Gaulin			

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS	
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Dust	Time Date		
72.0-80.0' Reddish brown (2.5YR 4/4) CLAYEY SAND (SC), few lenses of silty sand, becoming more clayey, occasional 1/4" hard		- 72 -												
			37	2.0	5	13:52	N/A	N/A			N/A	N/A	No odors	
					6									
		- 73 -			6									
					7									
		- 74 -												
			38	2.0	8	14:10	N/A	N/A			N/A	N/A	No odors	
					9									
		- 75 -			10									
					11									
Becoming siltier from 77.5'.		- 76 -												
			39	2.0	9	14:20	N/A	N/A			N/A	N/A	No odors	
					9									
		- 77 -			11									
					13									
		- 78 -												
			40	2.0	14	14:35	N/A	N/A			N/A	N/A	No odors	
					13									
		- 79 -			22									
					25									
Trace (<5%) fine gravel from 79.8-80.0'.		- 80 -												
			41	0.7	17	14:55	N/A	N/A			N/A	N/A	Gravel consisted of some reddish brown sandstone and siltstone pieces, argillite.	
					19									
		- 81 -			22									
					14									
		- 82 -												
		- 83 -												
		- 84 -												
			</											

LOG OF SOIL BORING SB-25

PROJECT LOCATION				GROUND ELEVATION (FT. MSL)		PROJECT NUMBER						
Halladay Street, Jersey City, New Jersey				12.91		020667601						
DRILLING CONTRACTOR			FOREMAN		DATE STARTED		DATE COMPLETED					
Advanced Drilling, Inc.			R. Empson		04/13/04		04/15/04					
DRILLING EQUIPMENT				COMPLETION DEPTH (FT BGS)		ROCK DEPTH (FT)						
Hollow Stem Auger				95'		92.5'						
TYPE BIT		4.25" diameter		SIZE AND TYPE CORE BARREL		NO. SAMPLES	DIST.	43	UNDIST.	0	CORE	0
CASING		N/A		N/A		WATER DEPTH	FIRST	6.0'	COMPL.	N/A	24HR	N/A
CASING HAMMER		WEIGHT N/A		DROP N/A		BORING LOCATION						
SAMPLER				2" diameter 2' split-spoon		In front of Halstead building, east side of Halladay St.						
SAMPLER HAMMER		WEIGHT 140 lbs.		DROP 30"		INSPECTOR E. Gaulin						

DESCRIPTION	Sample Interval	Depth (ft bgs)	Water Table	Samples				PID READINGS (PPM)					REMARKS
				Number	Recov. (ft)	Penetr. Resist. BL/6in	Time	Sample	Ambient Air	Time	Dust	Time Date	
85.0-85.2' TILL: GRAVEL (GW), subangular to subrounded GRAVEL, some silty clay and silty sand.		- 84 -											
		- 85 -											
		- 85 -	42	0.2	38	15:21	N/A	N/A		N/A	N/A		
		- 86 -			50/3"								
		- 87 -											
90.0-90.2' TILL: GRAVEL (GW), subangular to subrounded GRAVEL, some silty clay and silty sand.		- 88 -											
		- 89 -											
		- 90 -											
		- 90 -	43	0.2	100/5"	15:37	N/A	N/A		N/A	N/A		
		- 91 -											
92.5-95.0' Black/dark gray argillite, weathered.		- 92 -											
		- 93 -											
		- 94 -											
		- 95 -											
		- 96 -											
End of boring at 95.0'		- 95 -											
		- 96 -											

TT108 to 114

TT305, TT308

TT315 to 317

TT319 and TT703

No Boring Log Available