


Appendix A


Soil Boring Logs

SOIL BORING LOG

		PROJECT NO.: 117-0509160.02		Boring No: 065_A005
		PROJECT NAME: PPG Site 065		LOCATION SKETCH
COMPLETION DATE: 8/1/2011	TOTAL DEPTH OF BOREHOLE: 20	MONITORING DEVICE: PID MiniRAE 2000	GEOLOGIST / OFFICE: Jim M. / Whitehouse Station	
DRILLING CONTRACTOR / DRILLER: EPI \ AJ Benjamin		DRILLING EQUIPMENT: Geoprobe Track Rig	DRILLING METHOD / BIT: Direct Push	
SAMPLING METHOD: 5' Sleeves, 1.25"	DEPTH TO GROUNDWATER ~ 1.6'	GROUND SURFACE ELEVATION:	WELL INSTALLED? No	
MEMO:				

DEPTH (Feet)	RECOVERY (feet)	OVM (PPM)	BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES & SAMPLE SUMMARY
0				
1		72.1	0.0 - 0.6 Dark Gray (2.5Y 4/1) fine SAND, little medium sand, loose, moist, strong solvent odor, wood fragments 0.5' - 0.6' (SP)	065_A005_0.0 (0.0' - 0.5')
2		23.7	0.6 - 1.8 Very Dark Gray (2.5Y 3/1) coarse-fine SAND, some coarse-medium gray angular gravel & cobbles, little silt, medium-dense, moist, wet 1.6' - 1.8', strong solvent odor (SW/SM)	
3	2.8	12.9	1.8 - 2.1 Very Dark Gray (2.5Y 3/1) medium-fine SAND, trace coarse sand, trace fine subround gravel, & silt, loose, moist-wet, strong solvent odor (SW/SP)	
4	5.0	9.0	2.1 - 2.8 Black (2.5Y 2.5/1) fine SAND, some coarse-medium sand & coarse-medium subangular-subround gravel (coal & slag), little silt, medium-dense, moist-wet, strong solvent odor (SW/SM)	
5		13.1		
6		625.0	5.0 - 5.7 As Above (2.1' - 2.8'), Very Dark Gray (2.5Y 3/1) (SW/SM)	065_A005_5.0 (5.0' - 5.5')
7		540.0	5.7 - 6.6 Dark Grayish Brown (2.5Y 4/2) Silty fine SAND & coarse-fine subangular-subround GRAVEL, very loose, wet, strong solvent odor (GM)	
8	3.5	332.0	6.6 - 8.5 Dark Grayish Brown (2.5Y 4/2) Silty medium-fine SAND, little medium-fine subangular to subround gravel, loose, wet, slight solvent odor (SM)	
9	5.0	167.0		
10		81.0		
11		25.3	10.0 - 10.2 As Above (6.6' - 8.5'), no gravel (SM)	065_A005_10.0 (10.0' - 10.5')
12		9.1	10.2 - 10.7 Very Dark Grayish Brown (10YR 3/2) PEAT & SILT, very soft, moist, slight sulfurous odor (PT)	Fill/Native soil interface at 10.2'
13	1.1		10.7 - 10.8 Dark Reddish Brown (2.5YR 3/4) Sandstone COBBLES (GP)	
14	5.0		10.8 - 11.1 Greenish Gray (GLEY2 6/5BG) Clayey fine-very fine SAND, little silt, moist, soft, no odor (SC)	
15				
16		3.1	15.0 - 15.3 Greenish Gray (GLEY2 6/5BG) CLAY, little silt, moderate plasticity, soft, moist, no odor (CH)	065_A005_15.0 (15.0' - 15.5')
17		3.5	15.3 - 15.5 Gray (GLEY1 5/N) medium-fine SAND, little silt, medium-dense, moist-wet, no odor (SM)	PID bkgd: 1.4 ppm (high humidity)
18	3.0	2.5	15.5 - 18.0 Reddish Brown (7.5YR 5/3) medium-fine SAND, trace coarse sand & fine subangular gravel, wet, loose, no odor (SW), Transitions to Reddish Brown (5YR 4/4) SILT, little very fine sand & coarse-fine red siltstone gravel, trace coarse-fine greenish gray subround gravel, stiff, dry, no odor (ML)	065_A005_17.5 (17.5' - 18.0')
19	5.0	1.6		
20		1.6		
21			End of Boring at 20' bgs.	
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SOIL BORING LOG

		PROJECT NO.: 117-0509160.02		Boring No: 065_A006
		PROJECT NAME: PPG Site 065		LOCATION SKETCH
COMPLETION DATE: 8/1/2011	TOTAL DEPTH OF BOREHOLE: 20	MONITORING DEVICE: PID MiniRAE 2000	GEOLOGIST / OFFICE: Jim M. / Whitehouse Station	
DRILLING CONTRACTOR / DRILLER: EPI \ AJ Benjamin		DRILLING EQUIPMENT: Geoprobe Track Rig	DRILLING METHOD / BIT: Direct Push	
SAMPLING METHOD: 5' Sleeves, 1.25"	DEPTH TO GROUNDWATER ~ 2.0'	GROUND SURFACE ELEVATION:	WELL INSTALLED? No	
MEMO:				

DEPTH (Feet)	RECOVERY (feet)	OVM (PPM)	BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES & SAMPLE SUMMARY
0		738.0	0.0 - 0.3 Gray (2.5Y 5/1) fine SAND, little medium sand, some light greenish gray sandstone cobbles & coarse-medium sand, loose, moist (SP)	065_A006_0.0 (0.0' - 0.5')
1		1060.0		
2		236.0	0.3 - 1.5 Very Dark Gray (GLE Y1 3/N) coarse-medium angular GRAVEL & COBBLES, some coarse-fine sand, trace silt, dense, moist (GW)	Strong solvent odor in 0' - 5' interval
3	4.3	1826.0		
4	5.0	439.0	1.5 - 2.0 Black (2.5Y 2.5/1) medium-fine SAND, wet, loose (SW)	
5		131.0	2.0 - 3.2 Dark Grayish Brown (10YR 4/2) coarse-fine SAND, little silt & coal, little ang. medium-fine gravel, trace slag, wet, loose, slight sheen (SW)	
6		124.0		
7		60.0	3.2 - 3.5 Red (2.5YR 4/6) coarse-fine angular sandstone GRAVEL, some coarse-medium SAND, loose, wet, slight sheen (GW)	065_A006_3.8 (3.8' - 4.2') (gravel at 4.3')
8			3.5 - 4.3 Dark Grayish Brown (10YR 4/2) Silty CLAY, little fine sand & fine subround gravel, firm, moist (OH), Transitions to Dark Gray (5Y 4/1) Silty very fine SAND, little clay, loose, moist (SM)	
9	4.0	17.1		
10	5.0	20.9	5.0 - 6.3 Dark Grayish Brown (10YR 4/2) Silty medium-fine SAND, some medium-fine subround-subangular sandstone gravel, firm, moist-wet (SM)	Slight solvent odor in 5' - 10' interval
11		7.4		
12		10.5	6.3 - 6.9 Strong Brown (7.5YR 5/6) SILT, some fine sand, little coarse-fine subround-subangular sandstone gravel, firm, moist-wet (ML)	
13		13.2		
14		9.1	6.9 - 8.7 Dark Grayish Brown (2.5Y 4/2) Silty fine SAND, little medium sand, trace coarse-medium round gravel, medium-dense, moist-wet (SM)	065_A006_8.2 (8.2' - 8.7')
15		7.4		
16			8.7 - 9.0 White (GLE Y1 8/N) coarse GRAVEL & COBBLES (gneiss), pulverized (from drilling) fine sand, loose, dry, no odor (GP)	(cobbles 8.7' - 9', fill/native soil interface btw 9'-10')
17		16.9		
18		55.7	10.0 - 11.7 Very Dark Grayish Brown (10YR 3/2) PEAT, little silt, very soft, moist, slight sulfurous odor (PT)	PID bkgd: 0.7 ppm (high humidity)
19		34.4		
20	2.2	0.8	11.7 - 12.2 Greenish Gray (GLE Y2 5/5BG) Silty CLAY, trace very fine sand & fine subround gravel 12.1' - 12.2', soft, moderate palsticity, moist, no odor (CH)	065_A006_11.7 (11.7' - 12.2')
21	5.0			
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End of Boring at 20' bgs.

SOIL BORING LOG

		PROJECT NO.: 117-0509160.02		Boring No: 065_A007
		PROJECT NAME: PPG Site 065		LOCATION SKETCH
COMPLETION DATE: 8/1/2011	TOTAL DEPTH OF BOREHOLE: 20	MONITORING DEVICE: PID MiniRAE 2000	GEOLOGIST / OFFICE: Jim M. / Whitehouse Station	
DRILLING CONTRACTOR / DRILLER: EPI \ AJ Benjamin		DRILLING EQUIPMENT: Geoprobe Track Rig	DRILLING METHOD / BIT: Direct Push	
SAMPLING METHOD: 5' Sleeves, 1.25"	DEPTH TO GROUNDWATER ~ 1.5'	GROUND SURFACE ELEVATION:	WELL INSTALLED? No	
MEMO:				


DEPTH (Feet)	RECOVERY (feet)	OVM (PPM)	BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES & SAMPLE SUMMARY
0				
1		40.7	0.0 - 0.4 Dark Brown (7.5YR 3/2) fine SAND, little medium sand, moist, loose, wood fragments at 0.4' (SP)	065_A007_0.0 (0.0' - 0.5')
2	3.6	73.6	0.4 - 1.8 Black (2.5Y 2.5/1) medium-fine SAND grading into coarse-fine SAND, some coarse-fine angular gray gravel & cobbles, trace silt & coal, moist, wet 1.5' - 1.8', sheen/staining 1.5' - 1.8' (SW)	Strong solvent odor in 0' - 5' interval
3	5.0	865.0	1.8 - 2.1 Brown (10YR 4/3) SILT, some fine sand, little medium sand, stiff, moist (ML)	
4		625.0	2.1 - 3.6 Black (2.5Y 2.5/1) medium-fine SAND, some gravel, little silt, wet, loose, little white (2.5Y 8/1) silty clay stringers, silty clay 3' - 3.3' (SM/CL)	065_A007_3.1 (3.1' - 3.6')
5		784.0	3.3 - 3.6 Dark Gray (5Y 4/1) medium-fine SAND, little silt & gray angular gravel, loose, wet, slight staining (SM)	
6		129.0		
6		13.7	5.0 - 7.4 Black stained (2.5Y 2.5/1) medium-fine SAND, little coarse-fine angular to subround gravel, trace coal, slag, & glass, white silty clayey medium-fine sand at 6.5', less staining 5.8' - 6.5' (Dark Gray 5Y 4/1) (SP/SW)	Slight solvent odor in 5' - 10' interval
7		14.0		
8	2.4	5.0		065_A007_6.9 (6.9' - 7.4')
9	5.0	5.0		Fill/native soil interface between 7.4' - 10', not recovered
10		4.6		
11		5.1	10.0 - 11.6 Very Dark Grayish Brown (10YR 3/2) PEAT, little silty clay, very soft, moist, strong sulfurous odor (PT)	
12		32.8		
13	1.9	31.0	11.6 - 11.9 Greenish Gray (GLEY2 5/5BG) CLAY, soft, moist, moderate plasticity, no odor (CH)	065_A007_11.0 (11.0' - 11.5')
14	5.0	0.7		
15				
16		0.7	15.0 - 15.9 As Above (11.6' - 11.9'), Transitions into fine-very fine sand, little clay (CL)	065_A007_15.0 (15.0' - 15.5')
17		1.2		
18	3.4	1.3	15.9 - 18.4 Brown (7.5YR 5/3) medium-fine SAND, trace coarse sand & fine subangular gravel, loose, wet, no odor (SW), Transitions to Reddish Brown (5YR 4/4) SILT, little very fine sand & coarse-fine red sandstone gravel, stiff, moist-dry, no odor (ML)	PID bkgd: 0.7 to 1.3 ppm (high humidity)
19	5.0	1.5		
20		1.3		
21		1.3		
22			End of Boring at 20' bgs.	
23				
24				
25				

SOIL BORING LOG

		PROJECT NO.: 117-0509160.02		Boring No: 065_A008
		PROJECT NAME: PPG Site 065		LOCATION SKETCH
COMPLETION DATE: 8/1/2011	TOTAL DEPTH OF BOREHOLE: 20	MONITORING DEVICE: PID MiniRAE 2000	GEOLOGIST / OFFICE: Jim M. / Whitehouse Station	
DRILLING CONTRACTOR / DRILLER: EPI \ AJ Benjamin		DRILLING EQUIPMENT: Geoprobe Track Rig	DRILLING METHOD / BIT: Direct Push	
SAMPLING METHOD: 5' Sleeves, 1.25"	DEPTH TO GROUNDWATER ~ 1.3'	GROUND SURFACE ELEVATION:	WELL INSTALLED? No	
MEMO:				


DEPTH (Feet)	RECOVERY (feet)	OVM (PPM)	BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES & SAMPLE SUMMARY
0		179.0	0.0 - 0.7 Dark Brown (7.5YR 3/2) fine SAND, little medium sand, moist, loose (SP)	065_A008_0.0 (0.0' - 0.5')
1		42.5	0.7 - 1.4 Black (2.5Y 2.5/1) medium-fine SAND, little coal & fine gravel (slag), loose, moist, wet at 1.3', faint sheen, staining (SW)	
2	3.7	269.0	1.4 - 1.8 Black (2.5Y 2.5/1) Silty coarse-fine SAND & coarse-fine subround-angular GRAVEL (slag & coal), loose, wet, faint sheen, staining (GW)	Slight solvent odor in 0' - 5' interval
3	5.0	116.0	1.8 - 2.1 Dark Gray (2.5Y 4/1) medium SAND, little gray-green Silty CLAY 2'-2.1', loose, wet, faint sheen, staining (SP/OH)	
4		74.3	2.1 - 2.5 As Above (1.4' - 1.8') (GW)	
5		14.0	2.5 - 3.7 Dark Gray (5Y 4/1) Silty CLAY, soft, moist-wet (OH), Transitions to Olive Gray (5Y 4/2) fine SAND, little medium sand, loose, wet (SP)	
6		20.7		
6		14.4	5.0 - 5.5 Olive Gray (5Y 4/2) fine SAND, little medium sand, loose, wet (SP)	065_A008_5.0 (5.0' - 5.5')
7		4.8	5.5 - 7.5 Grayish Brown (2.5Y 5/2) Silty fine SAND, little medium sand & coarse-fine angular gray gravel, trace clay, very loose, wet (SM)	Slight solvent odor in 5' - 10' interval
8	2.5	3.1		065_A008_7.0 (7.0' - 7.5')
9	5.0	4.3		Fill/native soil interface between 7.5' - 10', not recovered
10		3.4		
11		9.6	10.0 - 10.7 Dark Grayish Brown (10YR 4/2) PEAT, little silty clay, very soft, moist, strong sulfurous odor (PT)	065_A008_10.4 (10.4' - 10.9')
12		3.0	10.7 - 10.8 Black (2.5Y 2.5/1) coarse angular GRAVEL (GP)	
13	0.9		10.8 - 10.9 Greenish Gray (GLEY2 6/5BG) coarse-medium SAND, little silt & gray subangular sandstone gravel, loose, moist, no odor (SM)	
14	5.0			
15				
16		0.7	15.0 - 16.5 Gray (10YR 5/1) Clayey fine SAND, little silt, medium-dense, moist-wet, no odor (SC), Transitions into Silty medium-fine SAND, trace clay, medium-dense, wet, no odor (SM)	065_A008_15.0 (15.0' - 15.5')
17	4.1	0.4	16.5 - 19.1 Brown (7.5YR 4/3) SILT, little clay & coarse-fine subround gravel (gray-green to red-brown), stiff, moist, no odor (ML)	PID bkgd: 0.2 ppm (high humidity)
18	5.0	0.2		
19		0.1		
20		0.2		
21		0.2		
22		0.2		
23				
24				
25			End of Boring at 20' bgs.	

SOIL BORING LOG

		PROJECT NO.: 117-0509160.02		Boring No: 065_A009
		PROJECT NAME: PPG Site 065		LOCATION SKETCH
COMPLETION DATE: 8/1/2011	TOTAL DEPTH OF BOREHOLE: 20	MONITORING DEVICE: PID MiniRAE 2000	GEOLOGIST / OFFICE: Jim M. / Whitehouse Station	
DRILLING CONTRACTOR / DRILLER: EPI \ AJ Benjamin		DRILLING EQUIPMENT: Geoprobe Track Rig	DRILLING METHOD / BIT: Direct Push	
SAMPLING METHOD: 5' Sleeves, 1.25"	DEPTH TO GROUNDWATER ~ 1.8'	GROUND SURFACE ELEVATION:	WELL INSTALLED? No	
MEMO:				


DEPTH (Feet)	RECOVERY (feet)	OVM (PPM)	BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES & SAMPLE SUMMARY
0				
1		480.0	0.0 - 0.4 Grayish Brown (2.5Y 5/2) fine SAND & coarse gray angular GRAVEL, little fine gray angular gravel, trace silt, loose, dry (GP)	065_A009_0.0 (0.0' - 0.5')
2		1883.0	0.4 - 0.7 Black (2.5Y 2.5/1) coarse-medium angular GRAVEL some medium-fine sand, little coal & slag, medium dense, moist (GW)	
3	2.5	2190.0	0.7 - 1.0 Black (2.5Y 2.5/1) medium-fine SAND, little slag & coal, medium-dense, moist (SW)	065_A009_2.0 (2.0' - 2.5')
4	5.0	940.0	1.0 - 1.8 Black (2.5Y 2.5/1) coarse-medium & medium-fine gravel (coal & slag), little fine sand, medium-dense, wet at 1.8', slight staining/sheen (SW)	Strong solvent odor in 0' - 5' interval
5		475.0	1.8 - 2.5 Gray (2.5Y 6/1) medium SAND, little fine sand, trace coarse sand & fine angular gravel, loose, moist-wet (SW)	
6		25.9	5.0 - 5.2 Yellowish Red (5YR 5/6) subround sandstone COBBLES, some Dark Gray (2.5Y 4/1) Clayey SILT, medium-dense, moist, slight sulfurous odor (GM)	
7		2.6	5.2 - 6.1 As Above (1.8' - 2.5'), no odor (SW)	065_A009_6.0 (6.0' - 6.5')
8	1.5	2.9	6.1 - 6.5 Black (2.5Y 2.5/1) coarse-medium GRAVEL & COBBLES (coal), some wood fragments, loose, dry, no odor (GW)	
9	5.0			
10				
11			10.0 - 15.0 No Recovery	No sample - no recovery
12	0.0			
13	5.0			
14				
15				
16		0.0	15.0 - 17.6 Gray (2.5Y 2.5/1) SILT, some very fine sand, little subround coarse-medium gravel & cobbles, stiff, dry, no odor (ML), Transitions into Brown (10YR 5/3) SILT, little very fine sand & medium-fine subround-subangular gray gravel, some coarse-fine gray gravel 16.9' - 17.2' (moist-wet), stiff, dry, no odor (ML)	065_A009_15.0 (15.0' - 15.5')
17		0.0		
18	2.6	0.0		
19	5.0	0.0		
20				
21			End of Boring at 20' bgs.	
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SOIL BORING LOG

		PROJECT NO.: 117-0509160.02		Boring No: 065_A010
		PROJECT NAME: PPG Site 065		
COMPLETION DATE: 8/1/2011	TOTAL DEPTH OF BOREHOLE: 20	MONITORING DEVICE: PID MiniRAE 2000	GEOLOGIST / OFFICE: Jim M. / Whitehouse Station	
DRILLING CONTRACTOR / DRILLER: EPI \ AJ Benjamin		DRILLING EQUIPMENT: Geoprobe Track Rig	DRILLING METHOD / BIT: Direct Push	
SAMPLING METHOD: 5' Sleeves, 1.25"	DEPTH TO GROUNDWATER ~ 5'	GROUND SURFACE ELEVATION:	WELL INSTALLED? No	
MEMO:				


DEPTH (Feet)	RECOVERY (feet)	OVM (PPM)	BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES & SAMPLE SUMMARY
_0			0.0 - 0.2 White concrete cobbles, loose, dry (SP)	065_A010_0.0 (0.0' - 0.5')
_1			0.2 - 0.8 Dark Grayish Brown (2.5Y 4/2) fine SAND, little medium sand & medium-fine slag gravel, trace coal fragments, loose, dry, no odor (SP)	
_2	0.8			PID not working - lamp issue
_3	5.0			
_4				
_5				
_6			5.0 - 5.2 Black (2.5Y 2.5/1) medium-fine SAND, little slag & coal gravel, little silt, loose, wet, no odor (SM)	065_A010_5.0 (5.0' - 5.5')
_7			5.2 - 5.9 Brown (7.5YR 5/4) SILT, little fine sand, little gray & red subround fine gravel, stiff, dry-moist, no odor (ML)	
_8	0.9			
_9	5.0			
_10				
_11			10.0 - 15.0 No Recovery	No sample - no recovery
_12				
_13	0.0			
_14	5.0			
_15				
_16			15.0 - 15.3 Brown (7.5YR 4/4) SILT, little very fine sand & subround gray & red gravel, stiff, dry, no odor (ML)	065_A010_15.0 (15.0' - 15.5')
_17			15.3 - 17.6 Grayish Brown (10YR 5/2) grading to Brown (7.5YR 5/2) SILT, little very fine sand & medium-fine subround-subangular gray gravel, stiff, dry-moist, no odor (ML)	
_18	2.6			
_19	5.0			
_20				
_21			End of Boring at 20' bgs.	
_22				
_23				
_24				
_25				

SOIL BORING LOG

		PROJECT NO.: 117-0509160.02		Boring No: 065_A011
		PROJECT NAME: PPG Site 065		LOCATION SKETCH
COMPLETION DATE: 7/28/2011	TOTAL DEPTH OF BOREHOLE: 20	MONITORING DEVICE: PID MiniRAE 2000	GEOLOGIST / OFFICE: Jim M. / Whitehouse Station	
DRILLING CONTRACTOR / DRILLER: EPI \ Bob Fleming		DRILLING EQUIPMENT: Geoprobe Track Rig	DRILLING METHOD / BIT: Direct Push	
SAMPLING METHOD: 5' Sleeves, 1.25"	DEPTH TO GROUNDWATER ~ 2.3'	GROUND SURFACE ELEVATION:	WELL INSTALLED? No	
MEMO:				


DEPTH (Feet)	RECOVERY (feet)	OVM (PPM)	BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES & SAMPLE SUMMARY
0		0.0	0.0 - 0.5 Gray (GLE Y1 6/N) coarse-fine angular GRAVEL, some medium-fine Dark Grayish Brown (2.5Y 4/2) sand, loose, dry, no odor (GW)	065_A011_0.0 (0.0' - 0.5')
1		0.4		
2	2.8	3.5	0.5 - 1.1 Dark Gray (2.5Y 4/1) medium SAND, little fine sand & medium-fine gray angular gravel & coal, loose, moist, no odor (SP)	
3	5.0	5.2		
4		2.0	1.1 - 1.7 Black (2.5Y 2.5/1) medium-fine SAND, little coarse subround slag sand & medium-fine slag gravel, little coal, loose, moist, no odor (SW)	
5		0.3	1.7 - 2.1 Yellowish Brown (10YR 5/4) coarse-medium SAND & coarse-fine subround quartz GRAVEL, loose, moist, no odor (GW)	
6		0.0	2.1 - 2.8 Dark Gray (10YR 4/1) Silty medium-fine SAND, little subround-subangular gray gravel, trace slag & coal, loose, wet at 2.3', no odor (SM)	
7	2.1	0.0	5.0 - 5.2 As Above (2.1' - 2.8'), wet (SM)	065_A011_5.0 (5.0' - 5.5')
8	5.0	0.0	5.2 - 5.7 Olive Gray (5Y 5/2) SILT, some very fine sand, little clay, firm, moist-wet, no odor (ML)	
9		0.0	5.7 - 6.8 Reddish Brown (5YR 4/3) Silty fine SAND, little medium sand & clay, trace fine red subround sandstone gravel, dense, moist-wet, no odor (SM)	
10		0.0	6.8 - 7.1 As Above (5.2' - 5.7')	
11		0.6	10.0 - 10.5 As Above (5.2' - 5.7'), but Silty CLAY with trace very fine sand, soft, wet, Brown (10YR 5/3) mottling slight sulfurous odor (CH or OH)	065_A011_10.0 (10.0' - 10.5')
12	2.9	2.6	10.5 - 12.9 Very Dark Grayish Brown (10YR 3/2) PEAT, some Very Dark Gray (5Y 3/1) Silty CLAY, soft, moist, strong sulfurous odor (PT)	Fill/native soil interface at 10.5'
13	5.0	5.0		
14		6.8		
15		4.9		
16		3.7		
17		0.0	15.0 - 18.5 Gray (2.5Y 5/1) Clayey fine SAND, little silt, loose, moist-wet, slight sulfurous odor (SC), Transitions into Reddish Brown (5YR 4/3) SILT, little fine gravel, trace medium gravel, stiff, moist, no odor (ML)	065_A011_15.0 (15.0' - 15.5')
18	3.5	0.0		
19	5.0	0.0		
20		0.0		065_A011_18.0 (18.0' - 18.5')
21		0.0	End of Boring at 20' bgs.	
22				
23				
24				
25				

SOIL BORING LOG

		PROJECT NO.: 117-0509160.02		Boring No: 065_A012
		PROJECT NAME: PPG Site 065		
COMPLETION DATE: 8/1/2011	TOTAL DEPTH OF BOREHOLE: 20	MONITORING DEVICE: PID MiniRAE 2000	GEOLOGIST / OFFICE: Jim M. / Whitehouse Station	
DRILLING CONTRACTOR / DRILLER: EPI \ AJ Benjamin		DRILLING EQUIPMENT: Geoprobe Track Rig	DRILLING METHOD / BIT: Direct Push	
SAMPLING METHOD: 5' Sleeves, 1.25"	DEPTH TO GROUNDWATER ~ 2.0'	GROUND SURFACE ELEVATION:	WELL INSTALLED? No	
MEMO:				


DEPTH (Feet)	RECOVERY (feet)	OVM (PPM)	BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES & SAMPLE SUMMARY
_0		0.0	0.0 - 0.8 Very Dark Gray (10YR 3/1) fine SAND, trace silt, little coarse-fine gray subangular gravel, loose, dry, no odor (SP)	065_A012_0.0 (0.0' - 0.5')
_1		0.0		
_2	2.3	0.0	0.8 - 1.6 Very Dark Gray (10YR 3/1) to Yellowish Brown (10YR 5/4) medium-fine SAND, little coarse-medium yellowish brown gravel, medium-dense, moist, no odor (SW)	
_3	5.0	0.0	1.6 - 2.3 Olive Gray (5Y 4/2) to Black (5Y 2.5/1) Silty medium-fine SAND, some wood fragments, loose, moist-wet, wet at 2', no odor (SW)	
_4				
_5				
_6		0.0	5.0 - 5.3 Reddish Brown (2.5Y 5/3) coarse-medium angular brick GRAVEL, some Black (2.5Y 2.5/1) medium-fine sand, little slag (coarse sand & fine gravel), loose, wet, no odor (GW)	065_A012_5.0 (5.0' - 5.5')
_7		0.0	5.3 - 6.1 Olive (5Y 5/3) Clayey medium-fine SAND, little silt, loose, moist-wet, no odor (SC)	
_8		0.0	6.1 - 6.9 Grayish Brown (10YR 5/2) Clayey medium-fine SAND, little silt & coarse sand, trace medium-fine angular gravel, loose, wet, no odor (SC)	
_9				
_10				
_11		8.1	10.0 - 10.3 Gray (2.5Y 5/1) medium-fine SAND & coarse-fine subround gravel, loose, dry-moist, no odor (GW)	065_A012_10.0 (10.0' - 10.5')
_12		27.0	10.3 - 13.3 Very Dark Grayish Brown (10YR 3/2) PEAT, little Dark Gray (2.5Y 4/1) Silty CLAY, soft, moist, strong sulfurous odor (PT)	
_13	3.3	77.1		
_14	5.0	6.9		
_15		42.7		
_16		24.8		
_17		0.0	15.0 - 15.9 Gray (2.5Y 5/1) Silty medium-fine SAND, little clay, loose, wet, no odor (SM)	065_A012_15.0 (15.0' - 15.5')
_18	4.0	0.0	15.9 - 16.4 Gray (5Y 5/1) Sandy CLAY, some silt, soft, low plasticity, moist-wet, no odor (CL)	
_19	5.0	0.1	16.4 - 19.0 Reddish Brown (5YR 4/4) SILT, little medium-fine subround red gravel, little clay & very fine sand, stiff, firm 18' - 19', dry-moist, moist-wet 18' - 19', no odor (ML)	
_20		0.0		065_A012_18.5 (18.5' - 19.0')
_21		0.0	End of Boring at 20' bgs.	
_22				
_23				
_24				
_25				

SOIL BORING LOG

		PROJECT NO.: 117-0509160.02		Boring No: 065_A013
		PROJECT NAME: PPG Site 065		LOCATION SKETCH
COMPLETION DATE: 7/28/2011	TOTAL DEPTH OF BOREHOLE: 20	MONITORING DEVICE: PID MiniRAE 2000	GEOLOGIST / OFFICE: Jim M. / Whitehouse Station	
DRILLING CONTRACTOR / DRILLER: EPI \ Bob Fleming		DRILLING EQUIPMENT: Geoprobe Track Rig	DRILLING METHOD / BIT: Direct Push	
SAMPLING METHOD: 5' Sleeves, 1.25"	DEPTH TO GROUNDWATER ~ 3.5'	GROUND SURFACE ELEVATION:	WELL INSTALLED? No	
MEMO:				


DEPTH (Feet)	RECOVERY (feet)	OVM (PPM)	BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES & SAMPLE SUMMARY
0		0.0	0.0 - 0.1 Light Brownish Gray (2.5Y 6/2) fine SAND, little medium sand & coarse-fine light gray gravel, loose, dry, no odor (SP)	065_A013_0.0 (0.0' - 0.5')
1		0.0		trace COPR noted 0.1' - 0.5'
2		0.0	0.1 - 3.5 Very Dark Gray (2.5Y 3/1) medium-fine SAND & medium-fine GRAVEL (coal & slag), trace metal fragments & glass, loose, moist-dry, moist-wet at 3.5', no odor (SW)	
3	4.1	0.0		
4	5.0	0.0	3.5 - 3.8 Dark Gray (10YR 4/1) SILT, some fine sand, little subangular coarse-fine gravel. Stiff, moist, no odor (ML)	
5		0.0	3.5 - 4.1 Brown (7.5YR 4/2) medium SAND, little fine sand, coarse sand, & medium-fine subround gravel, medium-dense, moist-wet, no odor (SW)	
6		0.0	5.0 - 5.7 As Above (3.5' - 4.1') but Silty, wet, no odor (SM)	065_A013_5.0 (5.0' - 5.5')
7		0.0	5.7 - 8.3 Very Dark Gray (10YR 3/1) Silty medium-fine SAND, some coarse-fine angular gravel (coal), trace slag, trace silty clay in small 1" seams, loose, wet, no odor (SM)	
8	3.3	0.0		
9	5.0	0.0		
10		0.0	10.0 - 10.5 As Above (5.7' - 8.3')	065_A013_10.0 (10.0' - 10.5')
11		25.1	10.5 - 12.7 Very Dark Grayish Brown (10YR 3/2) PEAT & Dark Olive Gray (2.5Y 3/2) clay, little silt, soft, moist, strong sulfurous odor (PT/OH)	Fill/native soil interface at 10.5'
12	2.7	11.0		
13	5.0	27.0		
14		140.0		
15		126.0		
16		54.6	15.0 - 15.9 As Above (10.5' - 12.7')	065_A013_15.0 (15.0' - 15.5')
17		42.2	15.9 - 17.5 Grayish Brown (2.5Y 5/2) grading to Greenish Gray (GLE Y2 6/5BG) clayey SILT, some very fine SAND, soft, moist-wet, slight sulfurous odor (ML),	
18	2.5	22.4	Transitions to Brown (10YR 4/3) SILT, some fine sand, little red medium-fine sand, firm, moist, no odor (ML)	065_A013_17.0 (17.0' - 17.5')
19	5.0	7.9		
20		0.6		
21			End of Boring at 20' bgs.	
22				
23				
24				
25				

SOIL BORING LOG

		PROJECT NO.: 117-0509160.02		Boring No: 065_A014
		PROJECT NAME: PPG Site 065		LOCATION SKETCH
COMPLETION DATE: 8/1/2011	TOTAL DEPTH OF BOREHOLE: 20	MONITORING DEVICE: PID MiniRAE 2000	GEOLOGIST / OFFICE: Jim M. / Whitehouse Station	
DRILLING CONTRACTOR / DRILLER: EPI \ AJ Benjamin		DRILLING EQUIPMENT: Geoprobe Track Rig	DRILLING METHOD / BIT: Direct Push	
SAMPLING METHOD: 5' Sleeves, 1.25"	DEPTH TO GROUNDWATER ~ 2.2'	GROUND SURFACE ELEVATION:	WELL INSTALLED? No	
MEMO:				


DEPTH (Feet)	RECOVERY (feet)	OVM (PPM)	BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES & SAMPLE SUMMARY
0		0.0	0.0 - 1.1 Grayish Brown (2.5Y 5/2) fine SAND, little medium-fine angular gray gravel, trace silt, (SP)	065_A014_0.0 (0.0' - 0.5')
1		0.0		Trace COPR noted 0.2' - 1.5'
2	4.3	0.0	1.1 - 1.3 Yellowish Brown (10YR 5/6) fine SAND, little medium sand & fine angular gray gravel, trace slag, dry, loose, no odor (SP)	065_A014_1.5 (1.5' - 2.0')
3	5.0	0.0	1.3 - 3.4 Very Dark Gray (10YR 3/1) fine SAND & medium-fine GRAVEL (slag & coal), little gray coarse-fine angular gravel, moist, moist-wet 2.2' - 3.4', no odor (GW)	
4		0.0	3.4 - 4.3 Brown (10YR 4/3) coarse-fine SAND, little gray round cobbles, trace silt, medium-dense, moist-wet, no odor (SW)	
5		0.0		
6		0.0	5.0 - 5.5 As Above (3.4' - 4.3') but some silt, trace coal (SM)	065_A014_5.5 (5.5' - 6.0')
7	2.0	0.0	5.5 - 6.3 Dark Gray (10YR 4/1) Silty medium-fine SAND, little coarse sand & medium-fine subround gray gravel, medium-dense, moist-wet, no odor (SM)	
8	5.0	0.0	6.3 - 7.0 Very Dark Gray (10YR 3/1) medium-fine SAND, little medium subround gray gravel, little slag, trace coal & silt, loose, moist-wet, no odor (SW/SP)	
9				
10				
11		0.0	10.0 - 10.7 As Above (6.3' - 7'), some silt (SM)	065_A014_10.2 (10.2' - 10.7')
12	2.3	156.0	10.7 - 12.3 Very Dark Grayish Brown (10YR 3/2) PEAT, some Dark Olive Gray (2.5Y 3/2) clay, little silt, soft, moist, strong sulfurous odor (PT)	Fill/native soil interface at 10.7'
13	5.0	60.6		
14		121.0		
15				
16		84.4	15.0 - 16.9 As Above (10.7' - 12.3')	065_A014_15.0 (15.0' - 15.5')
17	2.2	61.3		
18	5.0	393.0	16.9 - 17.2 Light Gray (GLE1 7/N) coarse-medium SAND & coarse-fine subround sandstone GRAVEL, loose, moist, no odor (GW)	065_A014_16.7 (16.7' - 17.2')
19		0.2		
20				
21			End of Boring at 20' bgs.	
22				
23				
24				
25				

SOIL BORING LOG

		PROJECT NO.: 117-0509160.02		Boring No: 065_A015
		PROJECT NAME: PPG Site 065		LOCATION SKETCH
COMPLETION DATE: 8/1/2011	TOTAL DEPTH OF BOREHOLE: 20	MONITORING DEVICE: PID MiniRAE 2000	GEOLOGIST / OFFICE: Jim M. / Whitehouse Station	
DRILLING CONTRACTOR / DRILLER: EPI \ AJ Benjamin		DRILLING EQUIPMENT: Geoprobe Track Rig	DRILLING METHOD / BIT: Direct Push	
SAMPLING METHOD: 5' Sleeves, 1.25"	DEPTH TO GROUNDWATER ~ 2.4'	GROUND SURFACE ELEVATION:	WELL INSTALLED? No	
MEMO:				


DEPTH (Feet)	RECOVERY (feet)	OVM (PPM)	BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES & SAMPLE SUMMARY
0		0.0	0.0 - 0.3 Asphalt	065_A015_0.0 (0.0' - 0.5')
1		0.0	0.3 - 1.2 Dary Grayish Brown (2.5Y 4/2) fine SAND, little medium sand & coarse-fine asphalt gravel, loose, dry-moist, no odor (SP)	
2	4.2	0.0	1.2 - 1.4 Light Grayish Brown (2.5Y 6/2) fine SAND, loose, dry, no odor (SP)	
3	5.0	0.0	1.4 - 1.6 As Above (0.3' - 1.2'), no asphalt (SP)	
4		0.0	1.6 - 3.5 Very Dark Gray (2.5Y 3/1) coarse-fine SAND, some medium-fine gravel (slag & coal) loose, moist, wet at 2.4', no odor (SW)	
5		0.0	3.5 - 3.7 Dark Yellowish Brown (10YR 4/4) medium SAND & medium-fine subround gravel, trace silt, moist-wet, loose, no odor (GW)	
		0.0	3.7 - 4.2 As Above (1.6' - 3.5'), mostly coal & slag fragments, moist-wet (GW)	
6		0.0	5.0 - 5.2 As Above (3.7' - 4.2') (GW)	065_A015_5.0 (5.0' - 5.5')
7		0.0	5.2 - 6.2 Very Dark Gray (2.5Y 3/1) fine SAND, some silt, little glass, coal & slag, red brick cobbles 5.4'-5.5', medium-dense, moist, no odor (SM)	
8	2.3	0.0	6.2 - 7.3 Dark Gray (10YR 4/1) medium-fine SAND, little medium-fine subround gray gravel, trace silt, trace glass, red brick cobble & 7.1', loose, moist-wet, no odor (SW)	
9	5.0			
10				
11		1.0	10.0 - 10.8 Very Dark Gray (2.5Y 3/1) fine SAND & coarse-fine GRAVEL (slag), some silt, little coal, loose, wet, slight sulfurous odor (GW)	065_A015_10.3 (10.3' - 10.8')
12		45.5	10.8 - 12.2 Very Dark Grayish Brown (10YR 3/2) PEAT, some Dark Olive Gray (2.5Y 3/2) clay, little silt, soft, moist, strong sulfurous odor (PT)	
13	2.2	251.0		Fill/native soil interface at 10.8'
14	5.0	19.0		
15				
16		103.0	15.0 - 18.5 As Above (10.8' - 12.2')	065_A015_15.0 (15.0' - 15.5')
17		66.8		
18	4.5	62.6		
19	5.0	17.5		
20		37.0	18.5 - 19.5 Greenish Gray (GLEY2 6/5BG) fine SAND, some silt, little clay, loose, moist-wet, strong sulfurous odor (SM), Transitions to Silty CLAY, moderate plasticity, soft grading to firm, moist-dry, strong sulfurous odor (CH)	065_A015_19.0 (19.0' - 19.5')
21		179.0		
22		35.9		
23		147.0		
24		243.0		
25			End of Boring at 20' bgs.	

SOIL BORING LOG

 TETRA TECH GEO		PROJECT NO: 194-8214	Boring No: 063-2005
		PROJECT NAME: PGG SITE 03	LOCATION SKETCH
COMPLETION DATE: 12-21-12	TOTAL DEPTH OF BOREHOLE: 25' bgs	MONITORING DEVICE:	GEOLOGIST / OFFICE:
DRILLING CONTRACTOR / DRILLER: Epi / Bob	DRILLING EQUIPMENT: Geoprobe	DRILLING METHOD / BIT: Direct push	
SAMPLING METHOD: 5' sleeves	DEPTH TO GROUNDWATER:	GROUND SURFACE ELEVATION:	WELL INSTALLED?
MEMO:			


DEPTH (feet)	RECOVERY (feet)	OVM (PPM)	BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES & SAMPLE SUMMARY
-1		0	0-0.66 Brown med SAND, trace silt, soft, loose, moist, no odor.	063-2005-0.5'
-2	2.25			
-3	5.0	0	0.66-5 Black m-f SAND, little silt, abundant, med-coarse slag from 1-2' bgs. 2" of red rock frags, moist-wet at 4' bgs (FILL)	
-4				
-5				
-6	2.3	0	5-9 Black sandy SILT and med-coarse subangular gravel, saturated, m-dense strong hydrocarbon odor.	063-2005-5.0
-7	5.0		9-10 Black fine sandy SILT and gravel, saturated. Sheen observed at 9-9.5', dense, strong hydrocarbon odor	
-8				
-9				
-10				
-11	0.66	0	10-15' Black-dk brown PEAT, trace sand, med-vegetation, soft, strong hydrocarbon odor, moist. staining from previous sleeve.	
-12	5.0			
-13				
-14				
-15				
-16	2.0	0	15-16 Green-gray rock fragments (SS), dry	
-17	5.0	0	16-20 Red-brown fine sandy SILT, little coarse-med gravel, firm, moist, no odor.	
-18				
-19				
-20				
-21	2.0	0	20-22 Red brown SILT w/ fine sand and subangular gravel, very loose, wet no odor.	063-2005-20.0'
-22	5.0		22-25 Red-brown SILT w/ fine sand, dense, moist-wet	
-23				
-24				
-25			EOB @ 25' bgs	

SOIL BORING LOG

 TETRA TECH GEO		PROJECT NO: 194-8214	Boring No: 063-Z009
		PROJECT NAME: PPG SITE 63	LOCATION SKETCH
COMPLETION DATE: 12-21-12	TOTAL DEPTH OF BOREHOLE: 25' bgs	MONITORING DEVICE: PID	GEOLOGIST / OFFICE: TRAVIS Kot
DRILLING CONTRACTOR / DRILLER: Epi / Bob	DRILLING EQUIPMENT: Geoprobe	DRILLING METHOD / BIT: Direct push.	
SAMPLING METHOD: S-sleeve	DEPTH TO GROUNDWATER:	GROUND SURFACE ELEVATION:	WELL INSTALLED?
MEMO:			


DEPTH (Feet)	RECOVERY (feet)	OVM (PPM)	BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES & SAMPLE SUMMARY
0				
1				
2	2.25		0-1.5 Black m-f SAND w/ abundant m-f slag fragments, dry, med-firm, no odor.	063-Z009-0.5
3	5.0	299	1.5-5 Gray-black med silty SAND (red rock frags from 1.75-2'), med-firm, moist, strong hydrocarbon odor.	
4		4-5'		
5				
6			5-10' Gray-black SILT, trace fine sand, and med subangular gravel, wet, medium-dense, light color	063-Z009-5.0'
7	0.5			
8	5.0			
9				
10				
11			10-15 PEAT, dk brown SILT w/ abundant vegetation, med-moist, sulfurous odor.	063-Z009-10.0'
12	1.5			
13	5.0			
14				
15				
16			15-16.5 Red-brown silty CLAY, soft, moist, no odor.	063-Z009-15.0'
17	3.41			
18	5.0		16.5-20 Red-brown clayey SILT and coarse-med subangular gravel throughout, dense, moist, no odor.	
19				
20				
21			20-23 Brown sandy SILT and gravel, moist, no odor.	
22	3.75			
23	5.0		23-25 - SAA w/ more gravel.	
24				
25			EOB @ 25' bgs	

SOIL BORING LOG

 TETRA TECH GEO	PROJECT NO: 194-8214		Boring No: 063-2011
	PROJECT NAME: PPG SITE 03		LOCATION SKETCH
COMPLETION DATE: 12-20-12	TOTAL DEPTH OF BOREHOLE: 25' bgs	MONITORING DEVICE: PID	GEOLOGIST / OFFICE: TRAVIS Kot
DRILLING CONTRACTOR / DRILLER: EPI / Bob	DRILLING EQUIPMENT: Geoprobe	DRILLING METHOD / BIT: Direct push	
SAMPLING METHOD: S sleeves	DEPTH TO GROUNDWATER	GROUND SURFACE ELEVATION:	WELL INSTALLED?
MEMO:			

DEPTH (Feet)	RECOVERY (feet)	OVM (PPM)	BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES & SAMPLE SUMMARY
-1		0	0-1.3' DK gray-black m-f SAND, some silt, and subangular slag frags, moist	063-2011-0.0
-2	2.75	0	1.3-1.5' (10R ^{3/2}) Red purple-brown m-f silty SAND and gravel, loose, med-firm	
-3	5.0	0	1.5-5' DK brown to black m-f silty SAND and m-c gravel, moist-wet, no odor	
-4				
-5				
-6		0	5-6' Brown fine SAND and silt, firm, moist	063-2011-5.0'
-7	3.25	0:3	6-6.5' Light gray-green rock frags, m-c sandstone, dry-moist.	
-8	5.0		6.5-10' Red-brown SILT, trace subangular m-f gravel, moist-wet, no odor	
-9				
-10				
-11		0	10-11' Brown SILT, trace clay. Native/fill interface at 11' bgs.	
-12	1.6			
-13	5.0	0	11-15' PEAT, some vegetation, moist, soft, sulfurous odor.	
-14				
-15				
-16		0	15-20' Red brown m-f silty SAND, trace med gravel, med-firm, moist	063-2011-15.0
-17	0.5		no odor.	
-18	5.0			
-19				
-20				
-21		0	20-21.5' Red brown SILT, trace sand and gravel.	063-2011-20.0
-22	4.0	0	21.5-22' Gray-white rock frags, dry.	
-23	5.0	0	22-25' Brown SILT and subangular gravel, dense, moist.	
-24				
-25			EOB @ 25' bgs.	

SOIL BORING LOG

 TETRA TECH GEO		PROJECT NO: 194-8214	Boring No: 063-2013
		PROJECT NAME: PPG SITE 03	LOCATION SKETCH
COMPLETION DATE: 12-19-13	TOTAL DEPTH OF BOREHOLE: 25 bgs	MONITORING DEVICE: PID	GEOLOGIST / OFFICE: TRAUIS Kot
DRILLING CONTRACTOR / DRILLER: EPI / Bob	DRILLING EQUIPMENT: Geoprobe	DRILLING METHOD / BIT: Direct push	
SAMPLING METHOD: 5 sleeves	DEPTH TO GROUNDWATER:	GROUND SURFACE ELEVATION:	WELL INSTALLED?:
MEMO:			

DEPTH (Feet)	RECOVERY (feet)	OVM (PPM)	BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES & SAMPLE SUMMARY
1	3.58 5.0	0	0-1.5' DK brown med-fine SAND, little silt and m-c subangular gravel throughout, dry, loose, no odor	063-2013-1.5
2				
3			0	1.5-5 Black m-c SAND w/ trace silt, angular to subangular slag and gravel, loose, moist, slight petrol odor
4				
5				
6	3.5 5.0	0	5-6 DK gray-black m-c SAND, some silt, subangular gravel throughout, loose, wet	063-2013-5.5
7				
8		0	6-7 As above w/ little subangular gravel, med-dense, saturated, light hydrocarb odor	
9				
10				
11		0	7-8 DK gray to brown m-f silty sand and subangular gravel, loose, saturated, petroleum odor.	
12				
13		0	8-10 DK gray m-c sandy SILT w/ coarse angular-subangular gravel, m-loose moist-wet; hydrocarbon odor	
14				
15				
16	3.66 5.0	0	10-10.6 Black SILT w/ m-f sand and slag fragments, loose, hydrocarbon odor wet.	063-2013-10.0
17				
18		0	10.6-15 Black SILT, Peat, abundant vegetation strong sulfur odor, med moist	
19				
20				
21	2.5 5.0	0	15-16.5 SAA, PEAT w/ abundant vegetation.	
22		0	16.5-20 (GLEY 1 ³ /5a), fine-med SAND w/ silt, med-firm, moist, slight sulfur odor.	
23				
24				
25				

SOIL BORING LOG

		PROJECT NO.: 194-8214		Boring No: 003-7013
		PROJECT NAME: PPG SITE 03		LOCATION SKETCH
COMPLETION DATE: 12-19-13	TOTAL DEPTH OF BOREHOLE: 25' bgs	MONITORING DEVICE: PID	GEOLOGIST / OFFICE: TRAVIS KOT	
DRILLING CONTRACTOR / DRILLER: EPI / Sob		DRILLING EQUIPMENT: Geoprobe	DRILLING METHOD / BIT: Direct push	
SAMPLING METHOD: 5' sleeves	DEPTH TO GROUNDWATER	GROUND SURFACE ELEVATION:	WELL INSTALLED? -	
MEMO:				

DEPTH (Feet)	RECOVERY (feet)	OVM (PPM)	BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES & SAMPLE SUMMARY
26	3.3 — 5.0	O	20-21' SAA	26
27		O	21-22 Orange-brown SILT, trace clay, firm, moist-dry, no odor (7.5y ² 3/4)	27
28		O	22-24 Orange-brown CLAY, some silt, med plasticity, loose, wet, no odor	28
29				29
30				30
31		-	24-25 Orange-brown SILT, little clay, loose, little fine sand and gravel throughout, moist-wet, no odor	31
32				32
33				33
34			EOB @ 25' bgs	34
35				35
36				36
37				37
38				38
39				39
40				40
41				41
42				42
43				43
44				44
45				45
46				46
47				47
48				48
49				49
50				50



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BORING NUMBER BRN01

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/26/15 COMPLETED 10/26/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 6.30 ft / Elev 1.70 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680201.069
 NOTES No PID available EASTING 612219.126

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TRFES01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
			0.3	ASPHALT	
	GB S01		7.7	Grayish Brown f-m SAND, some coarse angular gravel, loose, dry	soil sample collected @ 0.5-1' BGS
2.5			2.0	Reddish Gray coarse SAND, loose, dry	
	GB S02		6.0		soil sample collected @ 2.5-3' BGS
			3.3	Brownish Black coarse angular FILL, little f-m brown sand, semi dense, dry	
			3.8	Brownish Black f-m SAND, some coarse angular fill, trace coarse angular gravel, trace shells, semi dense, moist	
5.0	GB S03		4.7		soil sample collected @ 4.5-5' BGS
			6.0	Reddish Gray coarse SAND, loose, moist	
			6.3	Black SILT, some f-m ASH, semi dense, wet, odor, staining	Staining, odor @ 6.3- 7.3' BGS soil sample collected @ 6.5-7' BGS
7.5	GB S04		7.3		
			0.7	Brown f-m SAND, some silt, some coarse rounded gravel, dense, wet	
	GB S05				soil sample collected @ 8.5-9' BGS
10.0			10.0		
			-2.0		

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRN02

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/26/15 COMPLETED 10/26/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.00 ft / Elev 3.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680239.022
 NOTES No PID available EASTING 612265.08

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
			0.3	ASPHALT	
					7.7
	GB S01			Brownish Gray f-m SAND, some coarse angular gravel, loose, dry	soil sample collected @ 1-1.5' BGS
			1.5		
				Dark Brownish Black fine SAND, little coarse angular gravel, loose, dry	
					6.5
2.5			2.5		
				Reddish Gray coarse SAND, semi dense, moist	
					5.5
	GB S02		3.2		
				Black f-m ASH, semi dense, moist	soil sample collected @ 3-3.5' BGS
			3.5		
				Reddish Brown coarse SAND, little coarse rounded gravel, trace sandstone, trace shale, semi dense, moist	
					4.5
			4.0		
				Black coarse angular FILL, semi dense, moist	
					4.0
5.0	GB S03		5.0		
				Black coarse angular FILL, semi dense, wet	soil sample collected @ 5-5.5' BGS
					3.0
			6.5		
				Black f-m ASH, some gray f-m SAND, trace coarse angular gravel, semi dense, wet	
					1.5
	GB S04		7.5		
				Gray f-m SAND, dense, wet	soil sample collected @ 7-7.5' BGS
					0.5
	GB S05				
			9.0		
				NO RECOVERY	
					-1.0
10.0			10.0		
					-2.0

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRN02A

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/26/15 COMPLETED 10/26/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.00 ft / Elev 3.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680218.505
 NOTES No PID available EASTING 612240.133

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.3				ASPHALT	
0.3				Brownish Gray f-m SAND, some coarse angular gravel, loose, dry	
1.7	GB S01			Reddish Gray coarse SAND, loose, dry	soil sample collected @ 1.5-2' BGS
2.5				Black f-m ASH, some coarse angular fill, trace wood, semi dense, dry	
2.7				Dark brown m-c SAND, some coarse angular gravel, semi dense, moist	
3.5				Dark Brown m-c SAND, some coarse angular gravel, semi dense, moist	
4.0	GB S02			Red Brick COBBLES	soil sample collected @ 4-4.5' BGS
4.3				Dark Brown m-c SAND, some coarse angular gravel, little black f-m ash, semi dense, moist	
5.0	GB S03			Dark Brown m-c SAND, some coarse angular gravel, little black f-m ash, semi dense, wet	soil sample collected @ 5.5-6' BGS
5.0					
7.0	GB S04			Black f-m ASH, some brown f-m sand, little coarse angular gravel, loose, wet	soil sample collected @ 7-7.5' BGS
7.5				Brownish Red f-m SAND, some coarse angular gravel, dense, wet	
7.5					
10.0	GB S05				soil sample collected @ 9.5-10' BGS
10.0					

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRN03

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 6/19/15 COMPLETED 6/19/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.00 ft / Elev 3.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680359.233
 NOTES EASTING 612353.917

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0				ASPHALT	
0.5		PID = 0		Grayish Black coarse angular GRAVEL, some f-m grayish brown sand, loose, dry	
2.0		PID = 0		Black f-m ASH, trace coal, loose, dry	
2.5	GB S01	PID = 0		Blackish Gray coarse FILL, little angular gravel, semi dense, dry	soil sample collected @ 2.5-3' BGS
4.0		PID = 0		Blackish Gray coarse FILL, little angular gravel, semi dense, wet	
5.0	GB S02	PID = 0		Blackish Gray coarse FILL, little angular gravel, semi dense, wet	soil sample collected @ 5-5.5' BGS
6.0		PID = 0		Gray silty SAND, some whiteish tan clay lenses, some coarse angular gravel, loose, wet	
7.5	GB S03	PID = 0		Black f-m SAND, some fine ash, some rounded gravel, loose, wet	soil sample collected @ 7.5-8' BGS
8.5		PID = 0			
10.0	GB S04	PID = 0			soil sample collected @ 9.4-10' BGS

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRN04

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/23/15 COMPLETED 10/23/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 6.50 ft / Elev 1.50 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680334.518
 NOTES EASTING 612336.03

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TRFES01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
			0.3	ASPHALT	
	GB S01			Gray coarse angular GRAVEL, some f-m brown SAND, loose, dry	soil sample collected @ 0.5-1' BGS
	GB S02				soil sample collected @ 1.6-2.1' BGS
		PID = 8.2	2.0	Red m-c SAND, loose, dry	
2.5	GB S03		2.5	Black f-m ASH, loose, dry	soil sample collected @ 2.2-2.7' BGS
		PID = 113			
			4.0	Grayish Black f-m SAND, some f-m ash, semi dense, dry	
		PID = 146			
	GB S04	PID = 86.8	4.7	Pink quartzite COBBLES, dry	soil sample collected @ 4.6-5.1' BGS
5.0		PID = 539	5.0	Dark Brown f-m SAND, trace coarse angular gravel, semi dense, moist	
		PID = 911			
		PID = 175	6.5	Black coarse angular GRAVEL, little black coarse sand, semi dense, wet, staining, odor, sheen	Staining @ 6.5 - 7.3' BGS
		PID = 100	7.3	Light Brown m-c SAND, trace coarse angular gravel, semi dense, wet	
7.5			8.0	Dark Brown m-c SAND, some coarse subrounded gravel, little wood, little ash lenses, dense, wet	soil sample collected @ 8.5-9' BGS
	GB S05	PID = 110			
		PID = 282			
10.0			10.0		

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRN04A

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/23/15 COMPLETED 10/23/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.00 ft / Elev 3.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680310.682
 NOTES EASTING 612318.749

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
			0.3	ASPHALT	
	GB S01			Brown f-m SAND, some coarse angular gravel, loose, dry	soil sample collected @ 0.5-1' BGS
	GB S02				soil sample collected @ 1.6-2.1' BGS
		PID = 450	2.0	Red m-c SAND, loose, dry	
2.5	GB S03		2.5	Black f-m ASH, loose, dry	soil sample collected @ 2.2-2.7' BGS
		PID = 3529			
		PID = 3529	3.7	Black coarse angular FILL, some f-m ASH, semi dense, moist	
		PID = 3529	4.2	Brown silty SAND, little rounded gravel, dense, wet	
5.0	GB S04		5.0	▼ Gray f-m SAND, some f-m black ash, little gravel, semi dense, wet	soil sample collected @ 4.6-5.1' BGS
		PID = 3529	5.5	Gray f-m SAND, loose, wet, staining, odor, sheen	
		PID = 215	6.0	Gray f-m SAND, dense, wet	
		PID = 3529			Staining, odor, sheen @ 6.5-7' BGS
7.5			8.0	Black f-m ASH, some f-m sand, trace coarse angular gravel, dense, wet	
	GB S05				soil sample collected @ 8.5-9' BGS
		PID = 418			
			9.5	Brow silty SAND, trace black ash, trace coarse angular gravel, dense, wet	
10.0			10.0		

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRN04A-A

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 3/18/16 COMPLETED 3/18/16 GROUND ELEVATION 8 ft HOLE SIZE 1 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track-mounted Geoprobe DURING DRILLING 6.00 ft / Elev 2.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680310.7
 NOTES Auger and Vac to 6' BGS, Green staining observed 8.5-9.5' BGS EASTING 612318.7

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0		PID = 0		ASPHALT	
0.5		PID = 0		Black fine ASH, some fine angular gravel, little fine sand, loose, dry	
2.5		PID = 0			
4.0		PID = 0			
4.0		PID = 0		Grayish Brown silty SAND, little fine rounded gravel, semi dense, moist	
5.0		PID = 0		Black metal impacted FILL, trace fine angular gravel, dense, wet	
6.0		PID = 0		Gray m-c SAND, trace fine rounded gravel, dense, wet	
7.5		PID = 0			
8.5	GB S01	PID = 0		Grayish Green fine SAND, dense, wet	soil sample collected @ 8.5-9' BGS
9.5	GB S02	PID = 0			soil sample collected @ 9-9.5' BGS
9.5	GB S03			Black coarse SAND, little fine ash, little shells, dense, wet	soil sample collected @ 9.5-10' BGS
10.0					

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRN05

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 6/19/15 COMPLETED 6/19/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.00 ft / Elev 3.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680432.199
 NOTES EASTING 612406.8

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TRFES01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0				ASPHALT	
0.5		PID = 0		0.5 7.5	
		PID = 0		Grayish Black coarse angular GRAVEL, some f-m grayish brown sand, loose, dry	
		PID = 0			
2.5	GB S01	PID = 0		2.0 6.0	soil sample collected @ 2-2.5' BGS
		PID = 0		2.5 5.5	
		PID = 0		Blackish Gray coarse FILL, some red sand, little angular gravel, semi dense, dry	
		PID = 0			
		PID = 0		4.0 4.0	
		PID = 0		4.5 3.5	
5.0		PID = 0		5.0 3.0	
		PID = 0		5.0 3.0	
		PID = 0		Gray fine SAND, little rounded quartz gravel, loose, wet	
		PID = 0			
	GB S02	PID = 0		6.0 2.0	soil sample collected @ 6-6.5' BGS
		PID = 0		6.0 2.0	
		PID = 0		Black f-m ASH, little wood, little angular gravel, semi dense, wet	
		PID = 0			
7.5	GB S03	PID = 0		7.0 1.0	soil sample collected @ 7.5-8' BGS
		PID = 0		7.0 1.0	
		PID = 0		Grayish Red silty SAND, little angular gravel, dense, wet	
		PID = 0			
	GB S04	PID = 0			soil sample collected @ 9.5-10' BGS
10.0					

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRN06

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/26/15 COMPLETED 10/26/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.00 ft / Elev 3.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680407.332
 NOTES No PID available EASTING 612388.873

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.3				ASPHALT	
1.5	GB S01			Brownish Gray f-m SAND, some coarse angular gravel, loose, dry	soil sample collected @ 1-1.5' BGS
2.0				Gray fine SAND, trace coarse angular gravel, loose, dry	
2.5				Black f-m ASH, loose, dry	
3.0	GB S02			Black coarse angular FILL, semi dense, dry	soil sample collected @ 3-3.5' BGS
3.5				Red brick COBBLES	
3.8				Brown coarse angular FILL, some brown medium sand, semi dense, moist	
4.3				Gray m-c SAND, trace wood, semi dense, moist	
5.0	GB S03			▼ Blackish Gray f-m SAND, some black f-m ASH, little fill, semi dense, wet	soil sample collected @ 5-5.5' BGS
6.5				Gray m-c SAND, semi dense, wet	soil sample collected @ 7-7.5' BGS
7.5	GB S04			Blackish Gray f-m SAND, some black f-m ash, little fill, semi dense, wet	
8.3				Red f-m SAND, dense, wet	
8.8	GB S05			Reddish Brown silty sand, some greenish gray silt lenses, trace rounded quartz, dense, wet	soil sample collected @ 9-9.5' BGS
10.0					

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRN06A

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/26/15 COMPLETED 10/26/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 6.00 ft / Elev 2.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680383.132
 NOTES No PID available EASTING 612370.759

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
			0.3	ASPHALT	
	GB S01			Brownish Gray f-m SAND, some coarse angular gravel, loose, dry	soil sample collected @ 0.5-1' BGS
			1.5	Brown f-m SAND, semi dense, dry	
			1.8	Black f-m SAND, semi dense, dry	
				Black f-m ASH, loose, dry	
2.5	GB S02				soil sample collected @ 2.5-3' BGS
			2.8	Blackish Gray coarse angular FILL, trace f-m brown sand, semi dense, dry	
			3.2	Brownish Gray silty SAND, some coarse angular gravel, dense, moist	
			3.8	Brownish Black coarse angular FILL, some brown m-c sand, semi dense, moist	
	GB S03			Gray m-c SAND, little f-m black ash, trace brick, semi dense, moist	soil sample collected @ 4.5-5' BGS
5.0			5.0	Gray m-c SAND, little f-m black ash, semi dense, moist	
			6.0	Gray m-c SAND, little f-m black ash, semi dense, wet	soil sample collected @ 6.5-7' BGS
	GB S04				
7.5			7.5	Black f-m ASH, some gray m-c sand, dense, wet	
			8.5	Red f-m SAND, dense, wet	soil sample collected @ 8.5-9' BGS
	GB S05				
			9.0	Reddish Brown silty sand, dense, wet	
10.0			10.0		

Bottom of borehole at 10.0 feet.











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BORING NUMBER BRN08

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/23/15 COMPLETED 10/23/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 6.00 ft / Elev 2.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680481.815
 NOTES EASTING 612441.911

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TRFES01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
		PID = 1369		0.3 ASPHALT 7.7	
		PID = 777		Brownish Gray f-m SAND, some coarse angular gravel, loose, dry	
2.5	GB S01			2.0 6.0	soil sample collected @ 2-2.5' BGS
		PID = 94		2.5 5.5	
		PID = 1491		3.0 5.0	soil sample collected @ 3-3.5' BGS
	GB S02			3.5 4.5	
				4.0 CONCRETE	
				4.0 NO RECOVERY due to concrete	
5.0					
	GB S03			6.0 2.0	soil sample collected @ 6-6.5' BGS
		PID = 1262		6.0 Black f-m ASH, trace wood, trace gravel, semi dense, wet	
				7.3 0.7	
7.5	GB S04			7.3 Red m-c SAND, trace silt, trace rounded quartz gravel, dense, wet	soil sample collected @ 7.5-8' BGS
		PID = 209			
		PID = 22.8			
		PID = 580			
	GB S05			8.3 -0.3	soil sample collected @ 9.5-10' BGS
				8.3 Gray brown f-m SAND, some silt, dense, wet	
10.0					
					Bottom of borehole at 10.0 feet.



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BORING NUMBER BRN08A

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/26/15 COMPLETED 10/26/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.00 ft / Elev 3.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680457.193
 NOTES No PID available EASTING 612425.454

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.3			ASPHALT	7.7	
	GB S01		Brownish Gray f-m SAND, some coarse angular gravel, loose, dry		soil sample collected @ 1-1.5' BGS
1.8			Reddish Gray f-m SAND, trace rounded quartz gravel, loose, dry	6.2	
2.5			Black f-m ASH, some coarse angular fill, semi dense, dry	5.3	
	GB S02		3.3	4.8	soil sample collected @ 3-3.5' BGS
			3.6	4.4	
			4.0	4.0	
			4.3	3.7	
5.0	GB S03		5.0	3.0	soil sample collected @ 5-5.5' BGS
			Reddish Brown silty SAND, little grayish yellow silt lenses, trace coarse angular gravel, dense, wet		
7.5	GB S04				soil sample collected @ 7-7.5' BGS
			8.5	-0.5	
	GB S05		Gray silty SAND, dense, wet		soil sample collected @ 9-9.5' BGS
10.0				-2.0	

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRN09

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/21/15 COMPLETED 10/21/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.00 ft / Elev 3.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680285.634
 NOTES EASTING 612301.591

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TRFES01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
			0.3	ASPHALT	
	GB S01			Gray coarse angular GRAVEL, some gray f-m sand, loose, dry	soil sample collected @ .5-1' BGS
		PID = 61.3	2.0		
			2.3	Black f-m ASH, semi dense, dry	
2.5			2.5	Ref f-m SAND, semi dense, dry	soil sample collected @ 2.5-3' BGS
	GB S02	PID = 21.6		Brown f-m SAND, trace silt, trace coarse angular gravel, trace marble, trace wood loose, dry	
		PID = 244	3.0	NO RECOVERY	
			5.0		
5.0		PID = 4.8		Brown f-m SAND, some gravel, loose, wet, staining, odor	Staining @ 5 -10' BGS , Odor @ 6-7' BGS
		PID = 214	6.0	Gray SLATE, staining	
			7.0		
7.5			7.7	Black coarse angular FILL, some black ash, loose, wet, staining	soil sample collected @ 7.5-8' BGS
	GB S03	PID = 131		Greenish Gray sandy SILT, fine rounded gravel, dense, wet, staining	
		PID = 4.5	8.3	Black coarse angular FILL, some ash, little fine angular gravel, dense, wet, staining	
		PID = 24.9	9.0	Brown sandy SILT, some wood, some organics, dense, wet, staining	soil sample collected @ 9.5-10' BGS
10.0	GB S04		10.0		

Bottom of borehole at 10.0 feet.










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BORING NUMBER BRN09A

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/21/15 COMPLETED 10/21/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.00 ft / Elev 3.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680261.917
 NOTES EASTING 612283.66

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
		PID = 5.6		0.3 ASPHALT 7.7	
	GB S01			Gray coarse angular GRAVEL, some gray f-m SAND, loose, dry	soil sample collected @ 1-1.5' BGS
2.5		PID = 12.2		2.0 NO RECOVERY 6.0	
		PID = 19.3		3.5 Brown f-m SAND, some silt, some fine angular gravel, little wood, dense, moist 4.5	
				4.6 Brown f-m SAND, some wood, dense, moist 3.4	
5.0	GB S02			5.0  Brown f-m SAND, loose, wet 3.0	soil sample collected @ 5-5.5' BGS
		PID = 14.2		6.0 Black coarse angular GRAVEL, some coal, some ash, loose, wet, staining 2.0	Staining, odor, sheen @ 6 -10' BGS
7.5	GB S03				soil sample collected @ 7-7.5' BGS
		PID = 1.2		8.0 Black coarse angular GRAVEL, some coal, some ash, some wood, loose, wet, staining 0.0	
	GB S04	PID = 0.9		9.0 Brown PEAT, some organics, little wood, dense, wet, staining -1.0	soil sample collected @ 9-9.5' BGS
10.0				10.0 -2.0	

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRN10A

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/22/15 COMPLETED 10/22/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.00 ft / Elev 3.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680530.663
 NOTES EASTING 612478.348

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TRFES01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
			0.3	Asphalt	
	GB S01			Dark Brown medium SAND, some coarse angular gravel, little black ash, loose, dry	soil sample collected @ 1-1.5' BGS
		PID = 34.4	2.3		
2.5				Medium Brown f-m SAND, little black ash, little yellow coarse sand lenses, little coarse angular gravel, little wood, medium dense, dry	soil sample collected @ 3-3.5' BGS
	GB S02	PID = 33	3.3		
		PID = 42.4	3.8		
				Red coarse SAND, very dense, dry	
			5.0		
5.0	GB S03	PID = 34.3		Grayish brown f-m SAND, some coarse subrounded gravel, trace rounded quartz gravel, trace wood, semi dense, dry	soil sample collected @ 5-5.5' BGS
			6.8		
	GB S04	PID = 24		Dark brownish black f-m SAND, some coarse angular gravel, some fill, trace wood, semi dense, wet, staining	Staining @ 6.8-8.3' BGS soil sample collected @ 7-7.5' BGS
7.5		PID = 53.1	8.8		
		PID = 28.6		Red sandy SILT, some light brown silt lenses, some shale gravel, dense, wet	soil sample collected @ 9-9.5' BGS
	GB S05	PID = 7.5			
10.0			10.0		

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRN11A

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/23/15 COMPLETED 10/23/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.50 ft / Elev 2.50 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680579.731
 NOTES EASTING 612514.232

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
			0.3	ASPHALT	
			0.3	7.7	
				Gray coarse angular GRAVEL, some f-m brown sand, loose, dry	
	GB S01	PID = 101			soil sample collected @ 1-1.5' BGS
2.5			2.0	6.0	
				Red m-c SAND, loose, dry	
		PID = 417			
			3.0	5.0	
	GB S02	PID = 148		Black f-m ASH, semi dense, dry	soil sample collected @ 3-3.5' BGS
			3.5	4.5	
				Red m-c SAND, semi dense, dry	
		PID = 16.2	4.0	4.0	
			4.5	3.5	
		PID = 19.1		Brownish Gray coarse angular FILL, some m-c brown SAND, trace muscovite, semi dense, moist	
5.0					
	GB S03	PID = 20.4			soil sample collected @ 5-5.5' BGS
			5.5	2.5	
		PID = 3529		Grayish Black f-m SAND, trace subrounded gravel, semi dense, wet	
		PID = 180	6.2	1.8	
				Black f-m SAND, some f-m ASH, some wood, semi dense, wet	
			6.8	1.2	
	GB S04	PID = 3529		Reddish Gray sandy SILT, little shale gravel, little gray silt lenses, very dense, wet	soil sample collected @ 7-7.5' BGS
7.5			7.7	0.3	
				Red m-c SAND, little shale gravel, little silt, very dense, wet	
		PID = 160			
			9.2	-1.2	
	GB S05	PID = 73		Reddish Gray sandy SILT, little shale gravel, little gray silt lenes, very dense, wet	soil sample collected @ 9-9.5' BGS
10.0			10.0	-2.0	

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRN12

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/22/15 COMPLETED 10/22/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 6.00 ft / Elev 2.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680656.647
 NOTES EASTING 612569.032

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TRFES01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
		PID = 7.1		0.3 ASPHALT 7.7	
	GB S01			Gray coarse angular GRAVEL, some light brown f-m sand, loose, dry	soil sample collected @ 1.5-2' BGS
		PID = 3.9		1.8 Dark Brown medium SAND, some coarse angular gravel, semi dense, dry 6.2	
2.5		PID = 2.2		2.7 Black f-m ASH, semi dense, dry 5.3	
	GB S02	PID = 4.1		3.0 Black coarse angular FILL, little black f-m ASH, little coal, dry, semi dense 5.0	soil sample collected @ 3.5-4' BGS
		PID = 4.3		3.8 Reddish Brown silty sand, little coarse angular gravel, dense, moist 4.2	
				4.3 Black coarse angular FILL, dense, moist 3.7	
5.0	GB S03	PID = 1.8		5.0 Dark Brownish black f-m SAND, trace angular gavel, dense moist 3.0	soil sample collected @ 5.5- 6' BGS
		PID = 1.7			
				7.0 Gray coarse angular FILL, dense, wet 1.0	
7.5	GB S04	PID = 3.5		7.7 Grayish Brown medium- coarse SAND, some coarse angular gravel, little black ash, little green silty sand lenses, trace wood, dense, wet 0.3	soil sample collected @ 7.5-8' BGS
		PID = 13.7			
	GB S05			9.2 Grayish Brown medium- coarse SAND, some subangular fill, trace wood, dense, wet -1.2	soil sample collected @ 9.5-10' BGS
10.0				10.0 Bottom of borehole at 10.0 feet. -2.0	



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BORING NUMBER BRN12A

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/22/15 COMPLETED 10/22/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 7.00 ft / Elev 1.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680628.162
 NOTES EASTING 612549.349

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
			0.3	ASPHALT	
		PID = 4.4		Gray coarse angular GRAVEL, some light brown sand, loose, dry	
			1.8		
		PID = 5.1		Dark Brown medium SAND, some coarse angular gravel, semi dense, dry	soil sample collected @ 2-2.5' BGS
2.5	GB S01		2.5		
		PID = 19	2.8	Black f-m ASH, semi dense, dry	
			3.2	Red coarse SAND, semi dense, dry	
			3.7	Black f-m ASH, semi dense, moist	
		PID = 20.4		Blackish Brown subangular coarse FILL, some coal, semi dense, moist	soil sample collected @ 4-4.5' BGS
5.0	GB S02		5.0		
		PID = 11.3		Dark Brown f-m SAND, little coarse gravel, semi dense, moist	
		PID = 0.2			
		PID = 0.3	7.0		
7.5	GB S03			Gray coarse subangular FILL, some gray f-m sand, semi dense, wet	soil sample collected @ 7-7.5' BGS
		PID = 1.1	8.0		
				Gray f-m SAND, little gravel, semi dense, wet	
		PID = 0	9.2		
	GB S04			Gray coarse subangular FILL, some gray f-m sand, semi dense, wet	soil sample collected @ 9-9.5' BGS
10.0			10.0		

Bottom of borehole at 10.0 feet.




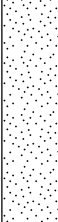





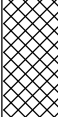







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BORING NUMBER BRN13A

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/22/15 COMPLETED 10/22/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.00 ft / Elev 3.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680673.938
 NOTES EASTING 612581.502

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
		PID = 281		0.3 ASPHALT 7.7	
	GB S01			Dark Brown medium SAND, some coarse angular gravel, loose, dry	soil sample collected @ 0.5-1' BGS
2.5		PID = 26.6		2.5 Black f-m ASH, semi dense, dry 5.5	soil sample collected @ 2.5-3' BGS
	GB S02			3.0 Black coarse angular FILL, some black ash, little coal, semi dense, dry 5.0	
		PID = 14.6			soil sample collected @ 4.5-5' BGS
5.0		PID = 22.6		5.0  Black coarse angular FILL, some black ash, little coal, semi dense, wet 3.0	
	GB S03				
		PID = 6.2		6.5 Grayish black coarse angular FILL, semi dense, wet 1.5	soil sample collected @ 6.5-7' BGS
	GB S04				
7.5		PID = 3.5		7.5 Grayish brown coarse SAND, some coarse subrounded gravel, some wood, loose, wet 0.5	
		PID = 0.9			soil sample collected @ 8.5-9' BGS
	GB S05				
		PID = 0.7		9.5 Gray coarse angular FILL, some gray coarse sand, semi dense, wet -1.5	
10.0				10.0 -2.0	

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRS01A

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/21/15 COMPLETED 10/21/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.00 ft / Elev 3.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680217.194
 NOTES EASTING 612220.311

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.3				ASPHALT	7.7
	GB 1	PID = 0.7		Gray coarse angular GRAVEL, some f-m grayish brown sand, loose, dry	
		PID = 6.3		Red f-m SAND, loose, dry	6.0
2.5	GB 2	PID = 2.1		Black f-m ASH, semi dense, dry	5.0
		PID = 12.8		Black coarse angular FILL, some coal, little f sand, semi dense, moist	4.8
		PID = 5.1		Black sandy SILT, some brick, some gravel, trace coal, dense, moist	4.3
	GB 3	PID = 5.3		Black sandy SILT, some gravel, loose, wet	3.0
5.0		PID = 8.2		Black COAL (1-2 cm) some black ash, semi dense, wet	2.0
	GB 4	PID = 13.2		Red sandy SILT, some shale, some organics, dense, wet	1.0
7.5		PID = 18.1		Brown silty SAND, some gravel, trace wood, dense, wet	0.0
		PID = 14.4			
10.0	GB 5				-2.0

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRS02

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 6/19/15 COMPLETED 6/19/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.00 ft / Elev 3.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680261.301
 NOTES No PID available. EASTING 612262.487

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TRF\S01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.5				ASPHALT	
2.0				Grayish Black coarse angular GRAVEL, some f-m grayish brown sand, loose, dry	
2.5				Reddish Gray f SAND, trace rounded quartz gravel, loose, dry	
2.5	GB S01			Black f-m ASH, loose, dry	soil sample collected @ 2.5-3' BGS
3.0				Grayish Back coarse angular FILL, some coarse angular gravel, trace coal, loose, moist	
5.0	GB S02			Black coarse angular GRAVEL, some coarse sand, loose, wet, odor, staining	soil sample collected @ 5-5.5' BGS, sheen @ 5-5.5' BGS, staining and odor @ 5-10' BGS
7.0				Red metal COBBLES, loose, wet, sheen, odor, staining	
7.5	GB S03			Black coarse angular GRAVEL, some wood, loose, wet, odor, staining	soil sample collected @ 7.5-8' BGS
10.0	GB S04				soil sample collected @ 9.5-10' BGS

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRS03

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/20/15 COMPLETED 10/20/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 7.00 ft / Elev 1.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680308.574
 NOTES No PID available for 3-10' BGS EASTING 612298.301

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
			0.3	ASPHALT	7.7
				Gray coarse angular Gravel, some grayish brown m sand, loose, dry	
	GB S01	PID = 3.7	2.0		6.0
		PID = 35.4	2.3	Red m-c SAND, little rounded quartz, semi dense, dry	5.7
2.5	GB S02	PID = 424		Black f-m ASH, semi dense, dry	
			3.3		4.7
				Blackish Gray coarse FILL, some angular gravel, semi dense, moist	
			4.3		3.7
				Reddish brown sandy SILT, some gravel, semi dense, moist	
5.0	GB S03		5.0		3.0
				Blackish Gray coarse FILL, some angular gravel, little f sand, dense, moist	
			6.0		2.0
				Grayish Brown sandy SILT, little gravel, dense, moist	
			7.0		1.0
7.5	GB S04			Blackish Gray coarse FILL, some angular gravel, little sand, semi dense, wet	
			8.0		0.0
				Brown f-m SAND, some subrounded gravel, dense, wet	
			9.5		-1.5
				Brown organic PEAT, trace wood, dense, wet	
10.0	GB S05		10.0		-2.0

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRS03A

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/21/15 COMPLETED 10/21/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.00 ft / Elev 3.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680282.208
 NOTES EASTING 612278.708

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\ITREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0				0.3 ASPHALT 7.7	
				Gray coarse angular Gravel, some f-m grayish brown sand, loose, dry	
	GB S01	PID = 46.5		2.0 Red f-m SAND, semi dense, dry 6.0	soil sample collected @ 1.6-2.1' BGS
2.5	GB S02			2.5 Black f-m ASH, trace gravel, trace coal, semi dense, dry 5.5	soil sample collected @ 2.2-2.7' BGS
		PID = 40		3.3 Black coarse angular FILL, some angular gravel, trace coal, semi dense, moist 4.7	
		PID = 51.6		4.2 Reddish brown sandy SILT, little gravel, dense, wet 3.8	
5.0	GB S03	PID = 21.6		5.0 Black coarse angular GRAVEL, some f-m ASH, loose, wet, odor, staining 3.0	soil sample collected @ 4.6-5.1' BGS Staining and odor @ 5-10' BGS
		PID = 51		6.5 Black f-m ASH, some coarse angular gravel, loose, wet, odor, staining 1.5	
7.5	GB S04	PID = 575		7.5 Black coarse angular FILL, some coal, some gravel, little f-m ash, semi dense, wet, odor, staining 0.5	soil sample collected @ 7-7.5' BGS
		PID = 281		8.5 Black f-m SAND, some coal, some gravel, some wood, semi dense, wet, odor, staining -0.5	soil sample collected @ 9-9.5' BGS
10.0	GB S05				

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRS04

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 6/19/15 COMPLETED 6/19/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.00 ft / Elev 3.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680334.549
 NOTES No PID available EASTING 612315.859

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0				ASPHALT	
0.5				7.5	
2.0				Grayish Black coarse angular GRAVEL, some f-m grayish brown sand, loose, dry	
2.5	GB S01			Blackish Gray f-m ASH, semi dense, dry	soil sample collected @ 2-2.5' BGS
3.0				Black f-m ASH, semi dense, dry	
3.5				Black coarse angular FILL, some m-c sand, some coarse angular gravel, medium dense, dry	
4.0				4.0	
5.0				Reddish gray f-m SAND, some silt, race brick, dense, dry	
5.0	GB S02			5.0 ▼ Black f-m ASH, some coarse sand, semi dense, wet, odor	soil sample collected @ 5-5.5' BGS, odor @ 5-10' BGS
7.0				7.0	
7.5	GB S03			Black f-m SAND, some f-m ash, some coarse angular gravel, little fine rounded gravel, semi dense, wet, odor	soil sample collected @ 7.5-8' BGS
8.8				8.8	
10.0	GB S04			Brownish black m-c SAND, some green silt, loose, wet, odor	soil sample collected @ 9.5-10' BGS
10.0				10.0	

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRS05

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/20/15 COMPLETED 10/20/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 6.00 ft / Elev 2.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680382.539
 NOTES EASTING 612351.269

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TRFES01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0				0.3 ASPHALT 7.7	
		PID = 11.4		Gray coarse angular GRAVEL, some f-m brownish gray sand, loose, dry	
	GB S01				soil sample collected @ 1.2-1.7' BGS
		PID = 1.8		2.0 Black f-m ASH, semi dense, dry 6.0	
	GB S02			2.3 Gray coarse angular GRAVEL, some f-m brownish gray sand, semi dense, dry 5.7	soil sample collected @ 2.2-2.7' BGS
2.5		PID = 44.6		2.5 Black f-m ASH, semi dense, dry 5.5	
				3.0 Black f-m ASH, semi dense, dry 5.0	
				3.3 Black coarse angular FILL, loose, dry 4.7	
		PID = 12.3		Brown sandy SILT, little coarse angular gravel, dense, moist	
		PID = 4.4		4.2 Black porous lithified ASH, dense, wet 3.8	
	GB S03			4.3 Grayish Brown silty SAND, some gravel, dense, moist 3.7	soil sample collected @ 4.2-4.7' BGS
		PID = 35.2		5.0 Grayish Black f-m SAND, little rounded fine gravel, trace brick, semi dense, wet 3.0	
5.0					
		PID = 114			
		PID = 1.7			soil sample collected @ 6.2-6.7' BGS
	GB S04				
		PID = 0.3			
7.5					
					soil sample collected @ 8.2-8.7' BGS
	GB S05			8.5 Black f-m ASH, trace coal, semi dense, wet -0.5	
		PID = 29.9			
				9.7 Brownish Black sandy SILT, some peat, some organics, semi dense, wet -1.7	
10.0				10.0 Bottom of borehole at 10.0 feet. -2.0	



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BORING NUMBER BRS05A

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/20/15 COMPLETED 10/20/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.00 ft / Elev 3.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680357.555
 NOTES EASTING 612333.649

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
			0.3	ASPHALT	
	GB S01			Gray coarse angular GRAVEL, some grayish brown sand, loose, dry	soil sample collected @ 0.5-1' BGS
		PID = 10.2			
		PID = 41.6		2.0 Red m-c SAND, little rounded quartz, semi dense, dry	
2.5			2.5	5.5 Black f-m ASH, semi dense, dry	soil sample collected @ 2.5-3' BGS
	GB S02	PID = 60.7			
		PID = 23.2			
		PID = 119		3.7 Black coarse angular FILL , some black ash, little coal, semi dense, dry	
		PID = 296		4.2 Reddish Gray coarse rounded GRAVEL, some m-c reddish gray sand, little quartzite, semi dense, moist	soil sample collected @ 4.5-5' BGS
	GB S03		4.7	3.3 Black f-m ASH, trace coarse gravel, semi dense, wet	
5.0		PID = 26.5	5.0	3.0 Blackish Gray coarse FILL, some angular gravel, dense, wet	
		PID = 17.2			
		PID = 24.9			
	GB S04				soil sample collected @ 6.5-7' BGS
		PID = 82.9			
7.5		PID = 71.7			
	GB S05	PID = 18.4		8.0 Black SLAG, little f-m sand, dense, wet	soil sample collected @ 8-8.5' BGS
			8.5	-0.5 Gray m-c SAND, some coarse angular gravel, little slag, dense, wet	
		PID = 6.7			
10.0			10.0		

Bottom of borehole at 10.0 feet.

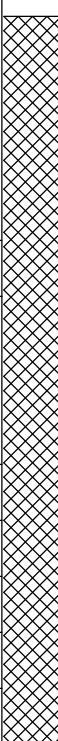
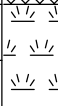


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BORING NUMBER BRS05A-A

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 3/18/16 COMPLETED 3/18/16 GROUND ELEVATION 8 ft HOLE SIZE 1 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track-mounted Geoprobe DURING DRILLING 6.00 ft / Elev 2.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680357.6
 NOTES Auger and Vac to 6' BGS, Green staining observed 7-10' BGS EASTING 612333.6

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TRFES01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0				Same As BRS05A	
2.5		PID = 0 PID = 0 PID = 0 PID = 0 PID = 0 PID = 0 PID = 0 PID = 0			
3.5		PID = 0 PID = 0 PID = 0 PID = 0 PID = 0 PID = 0 PID = 0 PID = 0		Black coarse metal impacted FILL, some black ash, little fine angular gravel, loose, dry	
5.0	GB S01	PID = 0			soil sample collected @ 5.5-6' BGS for UCONN
6.0		PID = 0 PID = 0 PID = 0 PID = 0 PID = 0 PID = 0 PID = 0 PID = 0		Blackish green coarse metal impacted FILL, some fine angular gravel, trace slag, loose, wet	
7.5	GB S02	PID = 0			soil sample collected @ 7.5-8' BGS for UCONN
	GB S03	PID = 0			soil sample collected @ 8-8.5' BGS for UCONN
	GB S04	PID = 0			soil sample collected @ 8.5-9' BGS
	GB S05	PID = 0			soil sample collected @ 9-9.5' BGS
	GB S06	PID = 0			soil sample collected @ 9.5-10' BGS
10.0	GB S07	PID = 0		Brown Meadow Mat, organic	soil sample collected @ 10-10.5' BGS
11.0					

Bottom of borehole at 11.0 feet.



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BORING NUMBER BRS06

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 6/19/15 COMPLETED 6/19/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 6.00 ft / Elev 2.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680407.177
 NOTES No PID available EASTING 612368.744

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TRFES01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0				ASPHALT	
0.5				0.5 7.5	
				Grayish Black coarse angular GRAVEL, some f-m grayish brown sand, loose, dry	
2.5	GB S01			2.0 6.0	soil sample collected @ 2-2.5' BGS
				Black f-m ASH, semi dense, dry	
				3.0 5.0	
				Black coarse FILL, some m-c sand, some coarse angular gravel, medium dense, moist	
				4.0 4.0	
				Gray f-m SAND, loose, moist	
5.0	GB S02			5.0 3.0	soil sample collected @ 5-5.5' BGS
				Black coarse FILL, some m-c sand, some coarse angular gravel, medium dense, moist	
				6.0 2.0	
				Gray m-c SAND, little coarse subangular gravel, loose, wet	
7.5	GB S03			7.5 8.5	soil sample collected @ 7.5-8' BGS
				8.5 -0.5	
				Reddish Gray f-m SAND, some silt, some gravel, dense, wet	
10.0	GB S04			10.0 -2.0	soil sample collected @ 9.5-10' BGS

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRS07

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/20/15 COMPLETED 10/20/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.00 ft / Elev 3.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680454.565
 NOTES No PID available for 6.5-10' BGS EASTING 612403.989

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
			0.3	ASPHALT	
			0.3	7.7	
				Gray coarse angular GRAVEL, some yellowish brown f-m SAND, loose, dry	soil sample collected @ 1-1.5' BGS
	GB S01				
		PID = 44	1.5	6.5	
				Black f-m ASH, semi dense, dry	
			2.0	6.0	
				Yellowish Gray coarse FILL, little coal, semi dense	
2.5					
	GB S02	PID = 35.5			soil sample collected @ 3-3.5' BGS
			3.5	4.5	
				Brownish Gray silty SAND, some angular gravel, little fill, dense, moist	
			4.0	4.0	Odor @ 4-4.5' BGS
				Brownish Black coarse FILL some coal, some bentonite, dense, moist, odor	
			4.5	3.5	
				Gray m-c SAND, dense, wet	
5.0					
	GB S03	PID = 1053	5.0	3.0	soil sample collected @ 5-5.5' BGS
				Brown silty SAND, some fill, little wood, trace rounded quartz gravel, dense, wet	
			6.5	1.5	Sheen and Odor @ 6.5-7' BGS
		PID = 235			
				Black coarse angular FILL, some coal, semi dense, wet, sheen, odor	
	GB S04		7.0	1.0	soil sample collected @ 7-7.5' BGS
				Brownish Gray m-c SAND, trace coarse angular gravel, dense, wet	
7.5					
			8.5	-0.5	
				Reddish Brown sandy SILT, little clay lenses, little shale, dense, wet	soil sample collected @ 9-9.5' BGS
	GB S05				
10.0			10.0	-2.0	
Bottom of borehole at 10.0 feet.					



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BORING NUMBER BRS07A

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/20/15 COMPLETED 10/20/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.00 ft / Elev 3.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680427.458
 NOTES EASTING 612383.152

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
			0.3	ASPHALT	
	GB S01			Gray coarse angular GRAVEL, some yellowish brown silty sand, semi dense, dry	soil sample collected @ 0.5-1' BGS
		PID = 28.7	2.0	Black f-m ASH, semi dense, dry	
2.5			2.5	Brown f-m SAND, some gravel, some brick, little coal, semi dense, dry	soil sample collected @ 2.5-3' BGS
	GB S02	PID = 28.7			
		PID = 226	4.0	CONCRETE	
			4.3	Gray m-c SAND, semi dense, moist	soil sample collected @ 4.5-5' BGS
5.0	GB S03	PID = 192			
		PID = 472	5.0	Black m-c SAND, some ash, some coal, semi dense, wet	
		PID = 422			
	GB S04	PID = 38.7	6.0	Gray m-c SAND, semi dense, moist	soil sample collected @ 6-6.5' BGS
			6.5	Black coarse ASH, some coal, some gray fine sand lenses, little wood, semi dense, wet	
7.5		PID = 24.9			
		PID = 18.6			
		PID = 22.7	7.5	Orangish Brown sandy SILT, little coarse angular gravel, dense, wet	
		PID = 17.5			
	GB S05				soil sample collected @ 8.5-9' BGS
		PID = 11.4			
10.0			10.0		

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRS08

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 6/19/15 COMPLETED 6/19/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.00 ft / Elev 3.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680479.151
 NOTES No PID available EASTING 612421.41

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TRFES01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0				ASPHALT	
0.5					
2.0				Grayish black coarse angular GRAVEL, some f-m grayish brown sand, loose, dry	
2.5				Orangeish brown coarse angular GRAVEL, some f-m orange sand, some silt, semi dense, dry	
3.0				Red fine SAND, trace rounded quartz gravel, loose, dry	
3.5	GB S01			Black f-m ASH, trace coarse angular gravel, semi dense, dry	soil sample collected @ 3-3.5' BGS
4.2				Orange f-m SAND some rounded quartz gravel, trace coal, semi dense, moist	
5.0				Blackish Gray coarse SAND, some subrounded gravel, trace coal, semi dense, moist, odor	Odor @ 4.2-6' BGS
5.5				SAA, wet	
6.0	GB S02			Grayish red m-c SAND, little schist gravel, dense, wet	soil sample collected @ 5.5-6' BGS
7.5				Grayish red m-c SAND, little schist gravel, dense, wet	
8.0	GB S03			Grayish red f SAND, loose, wet	soil sample collected @ 7.5-8' BGS
9.0				Grayish red m-c SAND, little schist gravel, dense, wet	
10.0	GB S04			Grayish red m-c SAND, little schist gravel, dense, wet	soil sample collected @ 9.5-10' BGS

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRS09-A

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 3/18/16 COMPLETED 3/18/16 GROUND ELEVATION 8 ft HOLE SIZE 1 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track-mounted Geoprobe DURING DRILLING 5.00 ft / Elev 3.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680516.1
 NOTES Auger and Vac to 6' BGS EASTING 612447.567

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0		PID = 0		Same As BRS09	
2.5		PID = 0			
5.0		PID = 0			
5.0		PID = 0		Black f-m ASH, some brown fine sand, semi dense, wet	
7.5		PID = 0		Brown silty SAND, some fine rounded gravel, dense, wet	
8.5	GB S01	PID = 0			soil sample collected @ 8-8.5' BGS for UCONN
10.0		PID = 0			
10.5	GB S02	PID = 0			soil sample collected @ 10-10.5' BGS
10.5	GB S03	PID = 0			soil sample collected @ 10.5-11' BGS
11.0	GB S04	PID = 0		Brown Meadow Mat, organic	soil sample collected @ 11-11.5' BGS
12.0					

Bottom of borehole at 12.0 feet.

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ



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BORING NUMBER BRS09A

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/19/15 COMPLETED 10/19/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 7.00 ft / Elev 1.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680504.356
 NOTES No PID available EASTING 612438.337

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.3				ASPHALT	
0.7				Gray coarse angular GRAVEL, some brown f-m sand, loose, dry	
1.0					
1.5	GB S01			Grayish Red f-m SAND, semi dense, dry	soil sample collected @ 1-1.5' BGS
2.0				Black f-m ASH, semi dense, dry	
2.5				Brownish Black coarse angular FILL, semi dense, dry	
3.0	GB S02			Brownish Black silty SAND, some gravel, little wood, little coal, dense, moist	soil sample collected @ 3-3.5' BGS
5.0	GB S03			Reddish Brown f-m SAND, little coarse angular gravel, semi dense, moist	soil sample collected @ 5-5.5' BGS
7.0	GB S04			Black f-m ASH, some grayish black f sand, little wood, little coal, dense, wet	soil sample collected @ 7-7.5' BGS
7.5					
8.0	GB S05			Reddish Brown silty SAND, some grayish green silt lenses, trace brick, dense, wet	soil sample collected @ 9-9.5' BGS
10.0					

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRS10

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 6/19/15 COMPLETED 6/19/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.00 ft / Elev 3.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680552.409
 NOTES No PID available EASTING 612475.173

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TRFES01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0				ASPHALT	
0.5				7.5	
				Gray coarse angular GRAVEL, some f-m grayish brown sand, loose, dry	
2.0				6.0	
2.5	GB S01			Black m-c ASH, trace fine angular gravel, semi dense, dry	soil sample collected @ 2-2.5' BGS
2.5				5.5	
				Black very fine ASH, semi dense, dry	
3.0				5.0	
				Gray Bentonite- like material , dense, dry	
3.3				4.7	
				Black m-c ASH, trace f angular gravel, semi dense, dry	
4.0				4.0	
				Red BRICK	
4.2				3.8	
				Brown medium SAND, some coarse angular gravel, little brick, dense, moist	
5.0	GB S02			5.0	soil sample collected @ 5-5' BGS
				SAA, wet	
7.0				1.0	
				Reddish Brown f-m SAND, some silt, some brick, trace clay, semi dense, wet	soil sample collected @ 7.5-8' BGS
7.5	GB S03				
10.0	GB S04				soil sample collected @ 9.5-10' BGS
10.0				-2.0	

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRS11

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/19/15 COMPLETED 10/19/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 7.00 ft / Elev 1.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680589.538
 NOTES No PID available EASTING 612500.047

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.3				ASPHALT	
0.3				Yellowish Gray f-m SAND, some coarse angular gravel, loose, dry	
1.0				Brown m-c SAND, little fine rounded gravel, trace muscovite, loose, dry	
2.5	GB S01				soil sample collected @ 2-2.5' BGS
2.5				CONCRETE	
3.0				Brownish Black f-m silty SAND, some subrounded fine gravel, dense, dry	
4.0	GB S02			Gray fine SAND, little coarse subangular gravel, loose, dry	soil sample collected @ 4-4.5' BGS
5.0				Brown silty f-m SAND some subrounded coarse gravel, trace wood, trace gray fine sand lenses, loose, dry	
5.0	GB S03				soil sample collected @ 6-6.6' BGS
7.0				Grayish Brown coarse SAND, some coarse angular gravel, semi dense, wet	
7.0					soil sample collected @ 8-8.5' BGS
8.0	GB S04			Reddish Brown sandy SILT, some coarse angular gravel, some yellow gray clay lenses, dense, wet	
8.0					soil sample collected @ 9.5-10' BGS
10.0	GB S05				
10.0					

Bottom of borehole at 10.0 feet.










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BORING NUMBER BRS11A

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/19/15 COMPLETED 10/19/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 6.50 ft / Elev 1.50 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680572.223
 NOTES No PID available EASTING 612487.994

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.3				ASPHALT	
0.3				Gray coarse angular GRAVEL, some f-m brown sand, loose, dry	soil sample collected @ 1-1.5' BGS
	GB S01				
2.0				Black coarse angular FILL, some black ash, trace brick, trace coal, semi dense, dry	soil sample collected @ 3-3.5' BGS
2.5					
	GB S02				
4.0				Brownish Gray f-m SAND, some schist, some black gravel, dense, moist	
4.5				Black m-c ASH, little wood, dense, moist	
5.0				Gray coarse angular GRAVEL, some brown f-m sand, loose, moist	soil sample collected @ 5-5.5' BGS
	GB S03				
6.0				Reddish orange silty SAND, trace gray silt lenses, trace gravel, dense, moist	soil sample collected @ 7-7.5' BGS
	GB S04				
7.5					
	GB S05				
10.0					
					soil sample collected @ 9-9.5' BGS
10.0					
					Bottom of borehole at 10.0 feet.

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRS11B

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/19/15 COMPLETED 10/19/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 4.50 ft / Elev 3.50 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680528.758
 NOTES No PID available EASTING 612455.679

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.3				ASPHALT	
0.3				Gray coarse angular GRAVEL, some black f-m SAND, loose, dry	
1.5				Black f-m ASH, loose, dry	
2.0	GB S01			Brownish Gray f-m SAND, some gray gravel, trace brick, trace gray silt lenses, dense, moist	soil sample collected @ 2-2.5' BGS
2.5					
4.0	GB S02			Black m-c SAND, some coarse angular gravel, little fill, little coal, trace wood, dense, wet	soil sample collected @ 4-4.5' BGS
5.0					
5.0	GB S03			SAA, wet	soil sample collected @ 6-6.5' BGS
7.5					
7.5	GB S04			Grayish Red silty SAND, some subrounded cobbles, trace white silt lenses, dense, wet	soil sample collected @ 8-8.5' BGS
10.0	GB S05				soil sample collected @ 9.5-10' BGS
10.0					

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRS12

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 6/19/15 COMPLETED 6/19/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 7.00 ft / Elev 1.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680626.035
 NOTES No PID available EASTING 612526.927

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TRFES01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0				ASPHALT	
0.5				7.5	
				Gray coarse angular GRAVEL, some f-m grayish brown sand, loose, dry	
2.0				6.0	
				Red f-m SAND, trace rounded quarts, trace shells, semi dense, dry	
2.5				3.0	
				Black m-c ASH, some m-c angular gravel, semi dense, dry	soil sample collected @ 3-3.5' BGS
	GB S01			3.5	
				Grayish yellow m-c SAND, some metal fill, semi dense, moist	
				4.5	
				Redish black f-m SAND, some metal fill, semi dense, moist	
5.0				5.0	
	GB S02			SAA	soil sample collected @ 5-5.5' BGS
	GB S03			6.0	
				Black m-c SILT, little f sand, trace coarse angular gravel, dense, moist	
				7.0	
				Black m-c SAND, some silt, some coarse angular gravel, trace wood, dense, wet	soil sample collected @ 7.5-8' BGS
7.5				9.0	
	GB S04			Black coarse FILL, some m-c sand, some coarse angular gravel, little coal, little shells, dense, wet	soil sample collected @ 9.5-10' BGS
	GB S05			-1.0	
10.0				-2.0	

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRS13

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CLIENT PPG **PROJECT NAME** Burma Road
PROJECT NUMBER 151136 **PROJECT LOCATION** Burma Rd. Jersey City, NJ
DATE STARTED 10/19/15 **COMPLETED** 10/19/15 **GROUND ELEVATION** 8 ft **HOLE SIZE** 3 inches
DRILLING CONTRACTOR EPI **GROUND WATER LEVEL:**
DRILLING METHOD Track mounted Geoprobe **DURING DRILLING** 7.50 ft / Elev 0.50 ft
LOGGED BY K. Treacy **CHECKED BY** J. Alexander **NORTHING** 680667.268
NOTES No PID available for 7-10' BGS **EASTING** 612557.725

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TRFES01\COMMON\MORAN\PPG - CHROME\SITE 63-65\1_FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.3			0.3	ASPHALT	
	GB S01	PID = 0		Gray coarse angular GRAVEL, some f-m brownish gray sand, dry, loose	soil sample collected @ 0.5-1' BGS
2.0			2.0	Grayish Red coarse angular GRAVEL, some grayish red m sand, trace silt, trace sea shells, loose, dry	soil sample collected @ 2-2.5' BGS
2.5	GB S02	PID = 0			
					soil sample collected @ 3-3.5' BGS
	GB S03	PID = 0			
			3.5	Black f-m ASH, trace coal, semi dense, dry	
			4.0	Blackish Gray coarse FILL, little coal, little metal slag, loose, moist	soil sample collected @ 4.5-5' BGS
5.0	GB S04	PID = 152			
			5.0	Grayish black f-m SAND, some subangular gravel, loose, moist	soil sample collected @ 5.5-6' BGS
	GB S05	PID = 17.5			
			7.0	Grayish Red coarse FILL, little rounded gravel, loose, moist	
7.5		PID = 0.4			
			7.5	Reddish brown silty SAND, little rounded gravel, trace coal, trace wood, trace schist, dense, wet	
			8.5	Brownish Black silty SAND, some coarse angular gravel, little black ash, little gray sand lenses, little wood, little slag, little coal, little brick, dense, wet	soil sample collected @ 9.5-10' BGS
10.0	GB S06		10.0		

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRS13A

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/19/15 COMPLETED 10/19/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 7.50 ft / Elev 0.50 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680645.448
 NOTES No PID available EASTING 612542.097

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TRFES01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.3			ASPHALT	7.7	
2.5	GB S01		Gray coarse angular GRAVEL, some yellowish brown f sand, loose, dry	5.5	soil sample collected @ 2-2.5' BGS
3.5			Black f-m ASH, trace coal, semi dense, dry	4.5	
4.5	GB S02		Reddish Black coarse angular FILL, some coal, semi dense, dry	3.0	soil sample collected @ 4-4.5' BGS
5.0			Brownish Gray m-c SAND, some coarse angular gravel, loose, dry	0.5	
6.5	GB S03			0.0	soil sample collected @ 6-6.5' BGS
7.5			Reddish Black coarse angular FILL, some black m-c sand, dense, wet	0.0	
8.0	GB S04		Brownish Black m-c silty SAND, some gravel, trace brick, dense, wet		soil sample collected @ 8-8.5' BGS
9.5					soil sample collected @ 9.5-10' BGS
10.0	GB S05				

Bottom of borehole at 10.0 feet.



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BORING NUMBER BRS13B

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/19/15 COMPLETED 10/19/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 7.50 ft / Elev 0.50 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680607.923
 NOTES No PID available EASTING 612513.68

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.3			0.3	ASPHALT	
0.3				7.7	
	GB S01			Reddish Brown Medium SAND, some coarse angular gravel, loose, dry	soil sample collected @ 1-1.5' BGS
2.5			2.5	5.5	
	GB S02			Black f-m ASH, some coal, little fill, semi dense, dry	soil sample collected @ 3-3.5' BGS
4.5			4.5	3.5	
5.0			5.0	3.0	
	GB S03			Brownish Black f-m SAND, some ash, little concrete, little brick, dense, moist	soil sample collected @ 5-5.5' BGS
				Brownish Gray f-m SAND, some coarse angular gravel, loose, moist	
7.5			7.5	0.5	
	GB S04			Reddish Brown silty SAND, trace clay, trace angular gravel, dense, wet	soil sample collected @ 7-7.5' BGS
					soil sample collected @ 9-9.5' BGS
10.0	GB S05		10.0	-2.0	

Bottom of borehole at 10.0 feet.



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BORING NUMBER MPD_A

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/27/15 COMPLETED 10/27/15 GROUND ELEVATION 9 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.50 ft / Elev 3.50 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680188.542
 NOTES Blooming observed @ 2' BGS EASTING 612105.894

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TRFES01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0				ASPHALT	
0.5				8.5	
		PID = 0		Gray coarse angular GRAVEL, some brown f-m SAND, semi dense, dry	soil sample collected @ 1.5-2' BGS
	GB S01				
		PID = 0		Black f-m ASH, some coarse angular fill, semi dense, dry	Blooming @ 2' verified by UCONN as coal ash
2.5				7.0	
		PID = 0			soil sample collected @ 3-3.5' BGS
	GB S02				
		PID = 0		Brown silty SAND, some coarse angular gravel, dense, dry	soil sample collected @ 4-4.5' BGS
	GB S03				
		PID = 0		CONCRETE	
5.0				5.0	
		PID = 0		Brown silty SAND, some coarse angular gravel, dense, wet	soil sample collected @ 6-6.5' BGS
	GB S04	PID = 13.3		5.5	
		PID = 0		Red coarse SAND, some coarse angular gravel, little wood, semi dense, wet	
		PID = 0		7.0	
7.5				2.0	
		PID = 0		MEADOW MAT	soil sample collected @ 9-9.5' BGS
	GB S05			9.0	
		PID = 0			
10.0				10.0	
					Bottom of borehole at 10.0 feet.
					-1.0



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BORING NUMBER MPD_A1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/30/15 COMPLETED 10/30/15 GROUND ELEVATION 9 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 5.00 ft / Elev 4.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680178.062
 NOTES Blooming observed @1-1.5' BGS verified by UCONN as coal ash EASTING 612106.553

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0				ASPHALT	
0.5					
1.5	GB S01	PID = 0		Gray coarse angular GRAVEL, some fine gray sand, loose, dry	soil sample collected @ 1-1.5' BGS, Blooming observed @ 1-1.5' BGS verified by UCONN as coal ash
2.5	GB S02	PID = 0		Black f-m ASH	soil sample collected @ 2.5-3' BGS
4.0		PID = 0		Brown silty SAND, some coarse angular gravel, dense, dry	
4.5	GB S03	PID = 0			soil sample collected @ 4.5-5' BGS
5.0		PID = 15.5		SAA, wet	
7.2		PID = 57.8			
7.5		PID = 0		Red coarse SAND, some coarse angular gravel, dense, wet	
9.2	GB S04	PID = 0			soil sample collected @ 9-9.5' BGS
9.2				MEADOW MAT	
10.0					

Bottom of borehole at 10.0 feet.



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BORING NUMBER MPD B

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/27/15 COMPLETED 10/27/15 GROUND ELEVATION 10 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 6.00 ft / Elev 4.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680192.534
 NOTES EASTING 612076.359

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\1_FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0				ASPHALT	
0.5					9.5
	GB S01	PID = 0		Gray coarse angular GRAVEL, some grayish brown f-m SAND, semi dense, dry	soil sample collected @ 1-1.5' BGS
					8.5
		PID = 0		Black f-m ASH, some coarse angular fill, semi dense, dry	
2.5					7.7
				Black fine ASH, dense, dry	
					7.2
	GB S02	PID = 0.5		Black coarse angular FILL, semi dense, dry	soil sample collected @ 3-3.5' BGS
					6.5
		PID = 0		Brown silty SAND, some coarse angular gravel, semi dense, moist	
					5.5
				Stained WOOD	Staining observed from 4.5-6.33' BGS, odor observed from 5-6.33' BGS
5.0	GB S03	PID = 0		Black f-m ASH, some brown f-m sand, some wood, loose, wet, odor, staining	soil sample collected @ 5-5.5' BGS
					5.0
		PID = 78.3		Brown silty SAND, little coarse rounded gravel, trace ash lenses, dense, wet	
					3.7
	GB S04	PID = 10.8			soil sample collected @ 7-7.5' BGS
7.5					2.0
		PID = 150		Dark Brown sandy SILT, some organics, dense, wet	
					2.0
	GB S05	PID = 12.6		MEADOW MAT	soil sample collected @ 9-9.5' BGS
					1.0
10.0					0.0

Bottom of borehole at 10.0 feet.



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BORING NUMBER MPD C

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/28/15 COMPLETED 10/28/15 GROUND ELEVATION 11 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL: _____
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING ---
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680198.445
 NOTES _____ EASTING 612046.829

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.3				ASPHALT	
1.0				Gray coarse angular GRAVEL, some f-m grayish brown sand, semi dense, dry	
1.5	GB S01	PID = 0		Brown fine SAND, trace coarse angular gravel, loose, dry	soil sample collected @ 1-1.5' BGS
2.5				Black coarse angular FILL, some f-m black ash, semi dense, dry	
3.5	GB S02	PID = 0			soil sample collected @ 3-3.5' BGS
4.0				Brown silty SAND, trace fine angular gravel, trace wood, dense, moist	
5.0	GB S03	PID = 0		SAA	soil sample collected @ 5-5.5' BGS
5.5				Black f-m ASH, loose, moist	
6.0				Brown silty SAND, trace coarse angular gravel, trace wood, dense, moist	
7.5	GB S04	PID = 4.3			soil sample collected @ 7-7.5' BGS
9.5	GB S05	PID = 21.3			soil sample collected @ 9-9.5' BGS
10.0				MEADOW MAT	

Bottom of borehole at 10.0 feet.



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BORING NUMBER MPD D

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/28/15 COMPLETED 10/28/15 GROUND ELEVATION 12 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING ---
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680209.966
 NOTES EASTING 612018.901

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
			0.3	ASPHALT	
				11.7	
	GB S01	PID = 0		Gray coarse angular GRAVEL, some brown f-m sand, loose, dry	soil sample collected @ 1-1.5' BGS
			1.8		
	GB S02	PID = 0		Brown fine SAND, trace fine rounded gravel, loose, dry	soil sample collected @ 2-2.5' BGS
2.5			2.5		
				9.5	
				Black f-m ASH, some coarse angular FILL, semi dense, dry	
	GB S03	PID = 0			soil sample collected @ 4-4.5' BGS
			4.5		
				7.5	
				Brown fine silty SAND, dense, dry	
5.0					
				PID = 0	
			5.7		
	GB S04	PID = 0		Dark Brownish Black silty SAND, trace organics, dense, dry	soil sample collected @ 6-6.5' BGS
				6.3	
				PID = 0	
				PID = 0	
7.5					
			8.0		
				4.0	
				Grayish Brown SILT, little clay, trace coarse angular gravel, dense, moist	
			9.0		
	GB S05	PID = 0		Brownish Red m-c SAND, little coarse angular gravel, dense, moist	soil sample collected @ 9-9.5' BGS
				3.0	
10.0			10.0		
				2.0	

Bottom of borehole at 10.0 feet.



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BORING NUMBER MPD_E

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/29/15 COMPLETED 10/29/15 GROUND ELEVATION 14 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING ---
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680227.952
 NOTES Blooming observed @ 2.17-2.67' BGS EASTING 611993.697

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.3				ASPHALT	
1.7		PID = 0		Gray coarse angular GRAVEL, some f-m grayish brown sand, loose, dry	
2.2	GB S01	PID = 0		Brownish red f-m SAND, little fine angular gravel, semi dense, dry	soil sample collected @ 1.7-2.2' BGS
2.7		PID = 0		Yellowish brown f-m SAND, little coarse angular gravel, loose, dry	Blooming observed @ 2.17-2.67' BGS
6.0	GB S02	PID = 0		Brown m-c SAND, little coarse angular fill, semi dense, dry	soil sample collected @ 4.5-5' BGS
6.0		PID = 0			
6.0	GB S03	PID = 0		Light Brown f-m SAND, some coarse angular gravel, semi dense, dry	soil sample collected @ 5.5-6' BGS
7.5		PID = 0			
7.5	GB S04	PID = 0			soil sample collected @ 7.5-8' BGS
8.0		PID = 0		NO RECOVERY	
10.0		PID = 0			

Bottom of borehole at 10.0 feet.






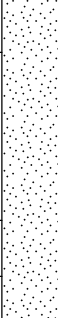


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BORING NUMBER MPD_E1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/30/15 COMPLETED 10/30/15 GROUND ELEVATION 14 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL: _____
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING ---
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680221.387
 NOTES Blooming observed @ 1-2.5' BGS verified by UCONN as coal ash EASTING 611985.722

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.3				ASPHALT	
1.5	GB S01	PID = 0		Gray coarse angular GRAVEL, some f-m gray sand, loose, dry	soil sample collected @ 1-1.5' BGS, Blooming observed @ 1-1.5' BGS verified by UCONN as coal ash
2.5	GB S02	PID = 0		Dark Gray coarse angular GRAVEL, some dark gray sand, semi dense, dry	soil sample collected @ 2-2.5' BGS, Blooming observed @ 2-2.5' BGS verified by UCONN as coal ash
4.5	GB S03	PID = 0		Brown m-c SAND, little coarse angular fill, semi dense, dry	soil sample collected @ 4.5-5' BGS
7.5	GB S04	PID = 0		Light brown f-m SAND, some coarse angular gravel, semi dense, dry	soil sample collected @ 7-7.5' BGS
9.5	GB S05	PID = 0		Brown f-m SAND, some coarse angular gravel, dense, moist	soil sample collected @ 9-9.5' BGS
10.0				Bottom of borehole at 10.0 feet.	



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BORING NUMBER MPD_F

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/29/15 COMPLETED 10/29/15 GROUND ELEVATION 16 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL: _____
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING ---
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680254.742
 NOTES Blooming observed @ 1-1.5' BGS EASTING 611969.916

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.3				ASPHALT	
0.8				Dark Gray coarse angular GRAVEL, some dark brown f-m sand, loose, dry	
1.5	GB S01	PID = 0		Light Brown fine SAND, little coarse angular gravel, semi dense, dry	soil sample collected @ 1-1.5' BGS, blooming observed @ 1-1.5' BGS
2.5	GB S02	PID = 0			soil sample collected @ 2-2.5' BGS
2.8		PID = 0		Brownish Orange coarse SAND, semi dense, dry	
5.0	GB S03	PID = 0			soil sample collected @ 5-5.5' BGS
6.0		PID = 0		Black f-m ASH, little coarse angular gravel, semi dense, dry	
6.7	GB S04	PID = 0		Brownish orange f-m SAND, trace silt, trace coarse angular gravel, dense, moist	soil sample collected @ 7-7.5' BGS
7.5		PID = 0			
9.5	GB S05	PID = 0			soil sample collected @ 9-9.5' BGS
10.0					

Bottom of borehole at 10.0 feet.



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BORING NUMBER MPD_F1

CLIENT PPG **PROJECT NAME** Burma Road
PROJECT NUMBER 151136 **PROJECT LOCATION** Burma Rd. Jersey City, NJ
DATE STARTED 10/30/15 **COMPLETED** 10/30/15 **GROUND ELEVATION** 16 ft **HOLE SIZE** 3 inches
DRILLING CONTRACTOR EPI **GROUND WATER LEVEL:**
DRILLING METHOD Track mounted Geoprobe **DURING DRILLING** ---
LOGGED BY K. Treacy **CHECKED BY** J. Alexander **NORTHING** 680248.226
NOTES S01 collected @ 1-1.5' BGS verified by UCONN as coal ash **EASTING** 611961.317

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.3				ASPHALT	
1.0				Gray coarse angular GRAVEL, some gray f-m sand, loose, dry	
1.5	GB S01	PID = 0		Light Brown fine SAND, little coarse angular gravel, semi dense, dry	soil sample collected @ 1-1.5' BGS verified by UCONN as coal ash
2.5		PID = 0			
2.8	GB S02	PID = 0		Brownish Orange coarse SAND, semi dense, dry	soil sample collected @ 3-3.5' BGS
5.0		PID = 0			soil sample collected @ 5-5.5' BGS
6.0	GB S03	PID = 0			
6.0		PID = 0		Brownish Orange f-m SAND, some coarse angular gravel, dense, moist	
7.5	GB S04	PID = 0			soil sample collected @ 7-7.5' BGS
9.0		PID = 0			soil sample collected @ 9-9.5' BGS
9.5	GB S05	PID = 0			
10.0					

Bottom of borehole at 10.0 feet.



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BORING NUMBER MPD_G

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/29/15 COMPLETED 10/29/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL: _____
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING ---
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680164.709
 NOTES _____ EASTING 612105.544

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.3				ASPHALT	
0.8				Black f-m ASH, little fine angular fill, loose, dry	
1.2		PID = 0		Brown f-m SAND, trace fine angular gravel, loose, dry	
2.0	GB S01	PID = 0		Black f-m ASH, some fine angular fill, semi dense, dry	soil sample collected @ 1.5-2' BGS
2.5				Black f-m ASH, trace fine angular fill, trace orange fill lenses, dense, dry	
3.5	GB S02	PID = 0		Dark brown f-m SAND, some coarse angular fill, dense, dry	soil sample collected @ 3.5-4' BGS
4.5		PID = 3.3		Light brown fine SAND, some coarse angular gravel, trace red silt lenses, dense, dry	
5.5	GB S03	PID = 0			soil sample collected @ 5-5.5' BGS
7.0		PID = 0		QUARTZITE COBBLE	soil sample collected @ 7-7.5' BGS
7.3	GB S04	PID = 0		NO RECOVERY	
9.2		PID = 0		MEADOW MAT	
10.0				Bottom of borehole at 10.0 feet.	



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BORING NUMBER MPD_H

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 11/3/15 COMPLETED 11/3/15 GROUND ELEVATION 17 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL: _____
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING ---
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680273.263
 NOTES Blooming observed @ 1-1.5' BGS verified by UCONN as coal ash EASTING 611945.636

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.3				ASPHALT	
1.5	GB S01	PID = 0		Gray coarse angular GRAVEL, some fine gray sand, loose, dry	soil sample collected @ 1-1.5' BGS, Blooming verified by UCONN as coal ash
2.5		PID = 0		Brown f-m SAND, some coarse angular gravel, semi dense, dry	
3.5	GB S02	PID = 0		Brown f-m SAND, trace brick, trace coarse angular gravel	soil sample collected @ 3-3.5' BGS
5.0		PID = 0			
5.5	GB S03	PID = 0			soil sample collected @ 5-5.5' BGS
7.0		PID = 0			
7.5	GB S04	PID = 0		Black f-m ASH, some fine angular fill, semi dense, dry	soil sample collected @ 7-7.5' BGS
8.0		PID = 0		Dark brown f-m SAND, some coarse angular gravel, semi dense, moist	
9.0	GB S05	PID = 0			soil sample collected @ 9-9.5' BGS
10.0					

Bottom of borehole at 10.0 feet.



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BORING NUMBER TC_A

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/27/15 COMPLETED 10/27/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL: _____
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING ---
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680205.632
 NOTES _____ EASTING 612194.251

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
			0.3	ASPHALT	
			0.3	7.7	
	GB S01			Gray coarse angular GRAVEL, some f-m light brown sand, loose, dry	soil sample collected @ 1-1.5' BGS
		PID = 0	1.7	6.3	
				Brown coarse SAND, little fine rounded gravel, loose, dry	
2.5			2.5	5.5	
	GB S02	PID = 0		Black coarse angular FILL, semi dense, dry	soil sample collected @ 3-3.5' BGS
			3.5	4.5	
		PID = 0		Brown silty SAND, some coarse angular gravel, little coarse angular fill, dense, moist	
		PID = 318	4.3	3.7	Staining, odor observed @ 4.33-6' BGS
5.0	GB S03	PID = 17.3		Black f-m SAND, some f-m black ash, some coarse angular gravel, semi dense, wet, odor, staining	soil sample collected @ 5-5.5' BGS
		PID = 221	6.0	2.0	
				Red silty SAND, little coarse angular gravel, trace shale, dense, dry	
7.5	GB S04	PID = 0			soil sample collected @ 7-7.5' BGS
		PID = 4.6	8.0	0.0	
				Brown silty SAND, little coarse angular gravel, dense, dry	
	GB S05	PID = 3.6	9.3	-1.3	soil sample collected @ 9-9.5' BGS
				MEADOW MAT	
10.0			10.0	-2.0	

Bottom of borehole at 10.0 feet.



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BORING NUMBER TC B

PAGE 1 OF 1

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/27/15 COMPLETED 10/27/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 9.50 ft / Elev -1.50 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680195.173
 NOTES EASTING 612165.212

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.3				ASPHALT	
0.3				Gray coarse angular GRAVEL, some light brown f-m sand, loose, dry	
1.3	GB S01	PID = 0			soil sample collected @ 1-1.5' BGS
1.8				Brown coarse SAND, little fine rounded gravel, loose, dry	
1.8				Black coarse angular FILL, semi dense, dry	
2.5	GB S02	PID = 0			soil sample collected @ 2-2.5' BGS
2.7				Brown silty SAND, little coarse angular gravel, dense, moist	
4.0		PID = 6.3			Staining, odor observed @ 4-7' BGS
4.0				Black f-m SAND, some f-m black ash, little coarse angular gravel, trace coal, trace wood, semi dense, wet, odor, staining	
4.0		PID = 188			soil sample collected @ 5-5.5' BGS
5.0	GB S03	PID = 135			
7.0	GB S04	PID = 29.6			soil sample collected @ 7-7.5' BGS
7.0				Red coarse SAND, some coarse angular gravel, dense, moist	
8.5		PID = 46.88			
8.5				Brown silty SAND, little coarse angular gravel, dense, moist	
8.5	GB S05	PID = 7.1			soil sample collected @ 9-9.5' BGS
9.5				Black coarse angular FILL, some brown coarse sand, some black f-m ash, tr wood, tr shells, semi dense, wet	
10.0					

Bottom of borehole at 10.0 feet.



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BORING NUMBER TC C

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/27/15 COMPLETED 10/27/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 6.67 ft / Elev 1.33 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680189.803
 NOTES Blooming observed @ 1.2' BGS EASTING 612135.7

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.3				ASPHALT	
0.3				Gray coarse angular GRAVEL, some gray f-m SAND, loose, dry	
1.2	GB S01	PID = 0		Brown coarse SAND, little fine rounded gravel, loose, dry	soil sample collected @ 1-1.5' BGS, Blooming observed @ 1.2' BGS
1.8		PID = 0		Black coarse angular FILL, semi dense, dry	
2.8	GB S02	PID = 0		Brown silty SAND, some coarse angular gravel, dense, dry	soil sample collected @ 3-3.5' BGS
4.2		PID = 56.7		Red m-c SAND, dense, dry	
5.0	GB S03	PID = 0		Brown coarse angular FILL, semi dense, dry	soil sample collected @ 5-5.5' BGS
6.7	GB S04	PID = 1.6		Brown f-m SAND, trace coarse angular gravel, trace brick, loose, wet	soil sample collected @ 7-7.5' BGS
8.3		PID = 0		Red coarse SAND, trace coarse angular gravel, dense, wet	
8.8				MEADOW MAT	soil sample collected @ 9-9.5' BGS
10.0	GB S05	PID = 0			

Bottom of borehole at 10.0 feet.



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BORING NUMBER TC_C1

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CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/30/15 COMPLETED 10/30/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING ---
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680179.183
 NOTES Blooming observed @ 1' BGS EASTING 612135.923

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.3				ASPHALT	
0.3				Gray angular GRAVEL, some gray fine sand, loose, dry	
1.0	GB S01	PID = 0		Brown coarse SAND, black coarse angular fill, semi dense, dry	soil sample collected @ 1-1.5' BGS, Blooming observed @ 1' BGS
2.0		PID = 0		Red m-c SAND, dense, dry	
2.5	GB S02	PID = 1.5			soil sample collected @ 3-3.5' BGS
5.0		PID = 70			
5.0	GB S03	PID = 116		Brown coarse angular FILL, some brick, loose, wet, staining	soil sample collected @ 5-5.5' BGS
		PID = 401			Staining observed 5.67- 10' BGS
6.7				Red coarse SAND, trace coarse angular gravel, dense, wet	soil sample collected @ 7-7.5' BGS
7.5	GB S04	PID = 100			
		PID = 80.5			
8.3				MEADOW MAT	soil sample collected @ 9-9.5' BGS
10.0	GB S05	PID = 41.5			
10.0					

Bottom of borehole at 10.0 feet.



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BORING NUMBER TC D

CLIENT PPG PROJECT NAME Burma Road
 PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ
 DATE STARTED 10/29/15 COMPLETED 10/29/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches
 DRILLING CONTRACTOR EPI GROUND WATER LEVEL:
 DRILLING METHOD Track mounted Geoprobe DURING DRILLING 4.00 ft / Elev 4.00 ft
 LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680169.603
 NOTES EASTING 612138.228

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\PPG - CHROME\SITE 63-65\FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
0.0					
0.3				ASPHALT	
0.3				Dark brown f-m SAND, little coarse angular gravel, trace coarse angular fill, semi dense, dry	
1.3	GB S01	PID = 0			soil sample collected @ 1-1.5' BGS
1.3				Black f-m ASH, some coarse angular gravel, little coarse angular fill, semi dense, dry	
2.2		PID = 0		Black f-m ASH, little fine angular fill, dense, dry	
2.2				Black f-m ASH, little fine angular fill, dense, dry	
2.5	GB S02	PID = 0			soil sample collected @ 3-3.5' BGS
4.0		PID = 0		Black f-m ASH, trace brown silty sand lesnes, trace coarse angular gravel, dense, wet, staining, odor	Staining, odor observed @ 4- 6.83' BGS
4.0				Black f-m ASH, trace brown silty sand lesnes, trace coarse angular gravel, dense, wet, staining, odor	
5.0	GB S03	PID = 37.2		Black f-m ASH, trace silty sand lenses, trace wood, trace coarse angular gravel, staining, odor, semi dense, wet	soil sample collected @ 5-5.5' BGS
6.0		PID = 168		Black f-m ASH, some coarse angular gravel, loose, wet, staining, odor, sheen	Staining, sheen, odor observed @ 6- 9.2' BGS
6.0				Black f-m ASH, some coarse angular gravel, loose, wet, staining, odor, sheen	
6.8	GB S04	PID = 73.1		Brown silty SAND, some coarse angular gravel, semi dense, wet, sheen, odor	soil sample collected @ 7-7.5' BGS
6.8				Brown silty SAND, some coarse angular gravel, semi dense, wet, sheen, odor	
7.5		PID = 27.7			
9.2	GB S05	PID = 3.1		MEADOW MAT	soil sample collected @ 9-9.5' BGS
9.2				MEADOW MAT	
10.0					
10.0				Bottom of borehole at 10.0 feet.	