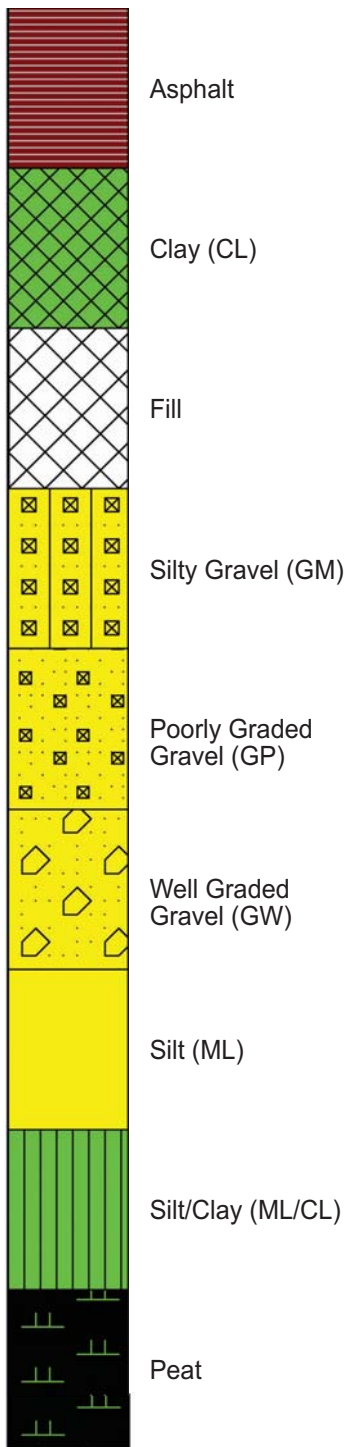
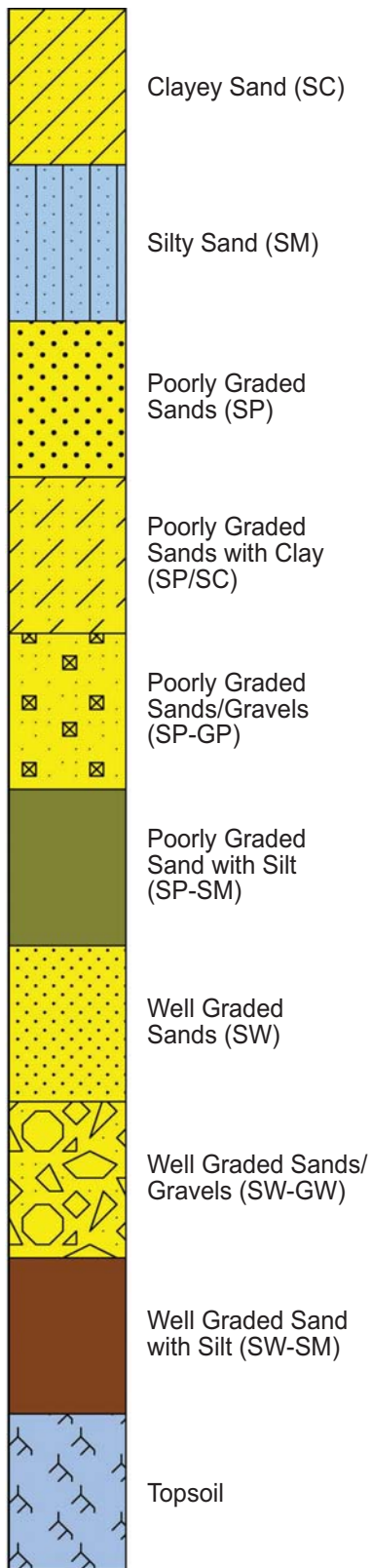


Boring Logs

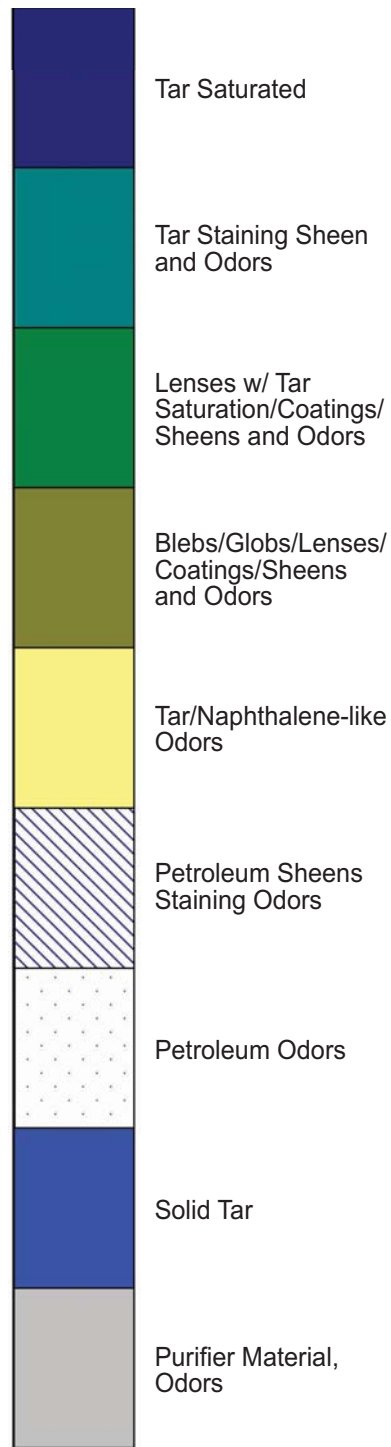
STRATA



STRATA



IMPACTS

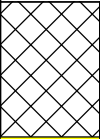



AG20178-11175065-012809-GCM



**NATIONAL GRID
HEMPSTEAD INTERSECTION STREET FORMER MGP SITE
SUBSURFACE BORING LOG LEGEND**

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : DGP-139						
CLIENT: National Grid							SHEET: 1 OF 1						
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011						
GROUNDWATER: N/A							BORING LOCATION: Area E						
CAS.					SAMPLER		CORE		TUBE		GROUND ELEVATION: N/A		
DATE		TIME		LEVEL		TYPE		TYPE		DATE STARTED:		11/12/08	
						DIA.		Macrocore		DATE FINISHED:		11/12/08	
						WT.		2-inch		DRILLER:		K. Kegel	
						FALL				GEOLOGIST:		J. Harshman	
* POCKET PENETROMETER READING							REVIEWED BY: K. Connare						
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE		
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS	HCN	

0		1	-	78%	Black	Dense	FILL. Coal fragments, ash like material (ALM), fine sand, trace gravel. No MGP impact.	FILL		0.0	Dry			
						Dark Brown						Stiff	SILT. No MGP impact.	ML
						Yellow-Orange								
-5														
							End of boring at 5' bgs.							
-10														
-15														
-20														
-25														

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.

BORING NO. : DGP-201

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: Wydler & Wendell Streets

GROUNDWATER: ~23' bgs. CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 10/29/08

DIA. 2-inch

DATE FINISHED: 10/29/08

WT.

DRILLER: K. Kegel

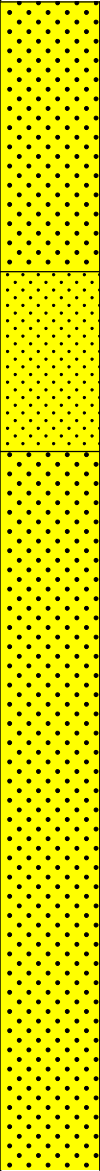
FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Loose-Medium Dense	Fine-medium SAND, little fine-coarse gravel.	SP		0.0	Moist-Dry 0.0
-5		2	-	77%	Orange-Light Brown	Loose	Fine-coarse SAND, trace well graded gravel. No MGP impacts.	SW		0.0	0.0 Dry
-10		3	-	72%							
-15		4	-	77%						0.0	0.0
-20		5	-	73%	Light Brown-Brown					0.0	0.0
-25		6	-	80%	Orange-Tan					0.0	0.0 Wet 0-1

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5'.

BORING NO. : DGP-201

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30		7	-	90%	Light Brown-Tan	Med. Dense Loose	-black and brown NAPL staining, slight-moderate NAPL coating, moderate naphthalene-like odor from 27.5' to 29.5'. Fine SAND, no staining, slight naphthalene-like odor.	SM SP		60 450 40	0.0
-35		8	-	N/A	Light Brown		Fine-medium SAND, trace fine gravel. Slight naphthalene-like odor. Fine-coarse SAND, some fine-coarse gravel, increasing gravel content at 38'. No MGP impacts.	SW		6.0 15 30 0.3 0.0	1 0.0
-40							End of Boring at 40' bgs.				

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5'.

BORING NO. : DGP-202

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: MOB Parking Lot

GROUNDWATER: ~24' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 10/29/08

DIA. 2-inch

DATE FINISHED: 10/29/08

WT.

DRILLER: K. Kegel

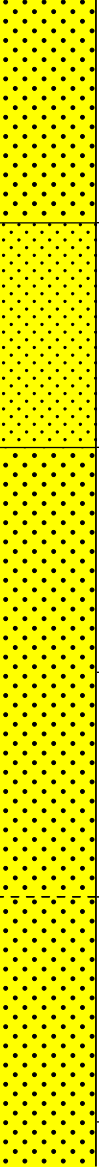

FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Loose	Silty sand grading to fine-medium sand, little fine-medium gravel. No MGP impact.	SP		0.0	Moist 0.0
-5		2	-	68%	Orange-Light Brown	Loose-Medium Dense	Fine-coarse SAND, trace well graded fine-coarse gravel. No MGP impact.	SW		0.0	Dry 0.0
-10		3	-	62%	Orange-Brown	Medium Dense	Fine-coarse SAND, some poorly graded fine-medium gravel. No MGP impact.	SP		0.0	0.0
-15		4	-	70%						0.0	0.0
-20		5	-	73%	Brown-Tan	Loose-Medium Dense	Fine-coarse SAND, trace-little fine gravel. Brown NAPL staining from 22'-23', heavy brown staining and NAPL coating from 24'-25', moderate naphthalene-like odor.			1 10	0-1
-25		6	-	90%						50 100	Wet 2-4

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
-30	[Yellow dotted pattern]	7	-	97%			gravel. No MGP impacts.				1.2	0.0
											3.8	
-35	[Yellow dotted pattern]	8	-	97%		Medium Dense- Dense	Fine-coarse SAND, fine-medium gravel. Burnt plastic odor, no staining.	SW			2.5	
											3.1	
-40	[Yellow dotted pattern with X's]					Very Dense	Fine-coarse GRAVELLY SAND, trace cobbles. Burnt plastic odor, no staining.	SP-GP			4.4	0.0
											5.8	
-45							End of boring at 40' bgs.				8.9	
											74.3	
-50											64.7	
-55												

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : DGP-205	
CLIENT: National Grid							SHEET: 1 OF 2	
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011	
GROUNDWATER: ~25' bgs							BORING LOCATION: In front of MOB	
CAS.							GROUND ELEVATION: N/A	
SAMPLER: Macrocore							DATE STARTED: 10/25/08	
CORE: 2-inch							DATE FINISHED: 10/25/08	
TUBE:							DRILLER: K. Kegel	
DATE							GEOLOGIST: M. Dascoli	
TIME							REVIEWED BY: K. Connare	
LEVEL							* POCKET PENETROMETER READING	
TYPE								
TYPE								
DIA.								
WT.								
FALL								
DEPTH FEET								
STRATA								
SAMPLE NO.								
BLOW COUNT								
REC% RQD%								
COLOR								
SOIL CONSISTENCY								
ROCK HARDNESS								
MATERIAL DESCRIPTION								
USCS								
MGP COLOR CODE								
PID								
MOISTURE HCN								

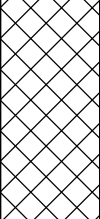

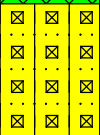
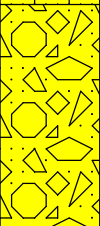
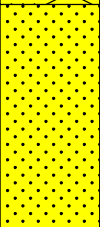
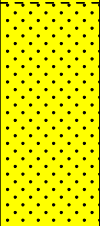


DEPTH FEET	STRATA	SAMPLE NO.	BLOW COUNT	REC% RQD%	COLOR	SOIL CONSISTENCY	ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE HCN
0		1	-	100%	Brown	Medium Dense		FILL. Sand and silt with fine-medium gravel, trace asphalt. No MGP impact.	FILL		0.0	Dry 0.0
-5		2	-	65%		Loose		Fine-coarse SAND, some fine-medium gravel, trace silt. No MGP impact.	SP-SM		0.0 2.5	0.0
					Dark Brown	Stiff		Fine-coarse SANDY SILT, trace fine gravel. No MGP impact.	ML		11.5 15.8	
					Orange-Brown	Dense- Very Dense		Fine-coarse SAND, little fine-medium gravel.	SW		7.2	
-10		3	-	67%		Loose-Medium Dense		Fine-coarse SAND and fine-coarse GRAVEL. No MGP impact.	SW-GW		2.5 5.1	0.0
											3.1 3.8 5.1	0.0
-15		4	-	67%								
					Tan	Loose					3.1 5.1	0.0
					Orange-Brown						7.6	
-25		6	-	83%				Fine SAND, little coarse sand. Black	SP		8.3	Wet 1

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
-30	[Yellow dotted pattern]	7	-	97%	Tan		NAPL staining and sheen from 25.5'-26'. -black NAPL saturation and staining from 27'-29'. -6" of black NAPL at 28'. Fine SAND, trace fine gravel. Slight naphthalene-like odor.			23	2	
											225	8
-35	[Yellow dotted pattern]	8	-	97%	Light Brown	Loose-Medium Dense	Fine-coarse SAND. Slight naphthalene-like odor.	SW		43.5	0.0	
											28.1	
											24.4	
											24.1	
-40	[Yellow dotted pattern with 'x' marks]					Dense	Fine-medium GRAVEL. Slight naphthalene-like odor.	GP		36.1		
											25.3	
-45							End of boring at 40' bgs.					
-50												
-55												

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : DGP-206				
CLIENT: National Grid							SHEET: 1 OF 2				
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011				
GROUNDWATER: ~25' bgs							BORING LOCATION: In front of MOB				
CAS. SAMPLER CORE TUBE							GROUND ELEVATION: N/A				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		DATE STARTED: 10/25/08			
				DIA.		2-inch		DATE FINISHED: 10/26/08			
				WT.				DRILLER: K. Kegel			
				FALL				GEOLOGIST: J. Harshman & M. Dascoli			
* POCKET PENETROMETER READING							REVIEWED BY: K. Connare				
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		ROCK HARDNESS					HCN

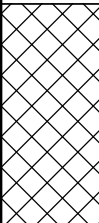
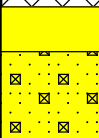


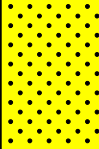
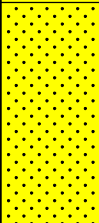
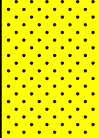




0		1	-	100%	Brown	Loose-Medium Dense	FILL. Sand with some silt and medium gravel, trace metal slag and brick. No MGP impacts.	FILL		0.0	Slightly Moist 0.0
-5		2	-	77%		Stiff	CLAY, some fine-coarse sand. No MGP impacts.	CL		0.0	0.0
					Dark Brown	Dense- Very Dense	Fine-medium SANDY GRAVEL, some silt. No MGP impacts.	GM			
-10		3	-	70%	Orange-Brown	Medium Dense	Fine-coarse SAND and GRAVEL. No MGP impacts.	SW-GW		0.0	Dry 0.0
-15		4	-	58%			Fine-coarse SAND with some fine-coarse gravel, trace cobble.	SW		0.0 2.5 3.8 5.1	0.0
-20		5	-	63%	Tan	Loose-Medium Dense	Fine-coarse SAND, some fine-medium gravel.			13.4 15.9 16.1	0.0
-25		6	-	82%	Dark Brown		-light brown staining and faint naphthalene-like odor from 24'-25'.			25	1.0
							Fine-medium SAND. Heavy black	SP		100	Wet 2.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
							NAPL staining and moderate NAPL coating, sheen and moderate naphthalene-like odor.				1.0
										10	0.0
					Light Brown	Loose	Fine-medium SAND, trace silt. Slight sheen and faint naphthalene-like odor.	SM		7.0	
-30		7	-	88%		Loose-Medium Dense	Fine-coarse SAND, trace silt. Faint naphthalene-like odor.	SW-SM		4.0	0.0
										8.0	
							Fine SILTY SAND, trace fine gravel. Faint naphthalene-like odor.			8.0	
-35		8	-	80%	Brown Light Brown	Medium Dense	Fine-coarse SAND, some fine-coarse gravel. Faint naphthalene-like odor.	SM SW		15	0.0
										30	
										20	
										10	
							-no NAPL staining or naphthalene-like odors from 38'-40'.			4.0	
-40										2.0	
							End of boring at 40' bgs.				
-45											
-50											
-55											

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : DGP-207				
CLIENT: National Grid							SHEET: 1 OF 2				
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011				
GROUNDWATER: ~23' bgs							BORING LOCATION: In front of MOB				
CAS.							GROUND ELEVATION: N/A				
SAMPLER: Macrocore							DATE STARTED: 10/26/08				
CORE: 2-inch							DATE FINISHED: 10/26/08				
TUBE: 2-inch							DRILLER: K. Kegel				
WT.:							GEOLOGIST: J. Harshman				
FALL:							REVIEWED BY: K. Connare				
* POCKET PENETROMETER READING											
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Medium Dense	FILL. Fine-medium loamy sand, little fine-medium gravel, trace cobble. No MGP impact.	FILL		0.0	Moist-Dry 0.0
-5		2	-	72%	Brown	Stiff	SILT.	ML		0.0	Moist Moist-Dry
					Dark Brown-Brown	Medium Dense	Fine-coarse SAND and GRAVEL. No MGP impact.	GP			
					Light Brown	Loose-Medium Dense	Fine-coarse SAND, little fine-medium gravel. No MGP impact.	SP			Dry
-10		3	-	68%	Orange-Brown					0.0	0.0
-15		4	-	77%		Loose	Fine-coarse SAND, little fine-medium gravel, well graded. No MGP impact.	SW		0.0	0.0
-20		5	-	67%	Light Brown					0.0	Moist-Dry 0.0
					Dark Brown		Fine-medium SAND, trace fine gravel. Light NAPL coating, brown staining and sheen, slight naphthalene-like odor.	SP		5.0	Wet
-25		6	-	90%			-Heavy MGP impact, three 4" seams			120	2.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30	[Yellow dotted pattern]	7	-	87%	Light Brown		of NAPL saturation with blebs. Black staining and strong naphthalene-like odor throughout from 25'-28'. ----- Fine SAND. Faint naphthalene-like odor.		[Green]	220	3.0
											320
-35	[Yellow dotted pattern]	8	-	97%		Medium Dense	Fine-medium SAND, little fine-medium well graded gravel. Faint naphthalene-like odor.	SW	[Yellow]	20	0-2
											10
-40	[Yellow dotted pattern]						End of boring at 40' bgs.				4.0
											2.0
-45	[Yellow dotted pattern]										0.0
											0.0
-50	[Yellow dotted pattern]										
-55	[Yellow dotted pattern]										

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-208	
CLIENT: National Grid						SHEET: 1 OF 2	
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011	
GROUNDWATER: ~23'						BORING LOCATION: South end of MOB	
CAS.						GROUND ELEVATION: N/A	
SAMPLER: Macrocore						DATE STARTED: 11/3/08	
CORE: 2-inch						DATE FINISHED: 11/3/08	
TUBE: Macrocore						DRILLER: K. Kegel	
* POCKET PENETROMETER READING						GEOLOGIST: M. Dascoli	
						REVIEWED BY: K. Connare	

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Dense	FILL. Fine-medium sand, some silt, clay, and fine-medium gravel. No MGP impacts.	FILL		0.0	Moist
-5		2	-	63%	Brown	Medium Dense	Fine-medium GRAVEL, some fine-coarse sand, trace silt.	GM		0.0	0.0
-10		3	-	75%			Loose-Medium Dense	Fine-medium SAND, little fine-medium gravel. No MGP impacts.	SW		0.0
-15		4	-	70%	Orange-Brown	Loose-Medium Dense	-trace silt from 10'-15'			0.0	
-20		5	-	73%			Light Brown	Medium Dense- Dense	Fine-coarse SAND and GRAVEL. No MGP impacts.	SP-GP	
-25		6	-	93%	Brown Light Brown	Dense- Very Dense	Fine-medium SAND.	SW	SP		0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

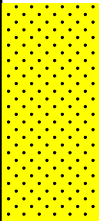
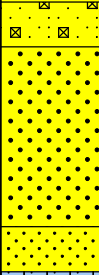
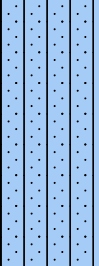
PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-209					
CLIENT: National Grid						SHEET: 1 OF 3					
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011					
GROUNDWATER: ~27' bgs						BORING LOCATION: LIRR ROW, upgradient of HIMW-08					
CAS.						GROUND ELEVATION: N/A					
SAMPLER: Macrocore						DATE STARTED: 11/11/08					
CORE						DATE FINISHED: 11/11/08					
TUBE						DRILLER: K. Kegel					
DATE						GEOLOGIST: J. Harshman					
TIME						REVIEWED BY: K. Connare					
LEVEL											
TYPE											
TYPE											
DIA.											
WT.											
FALL											
* POCKET PENETROMETER READING											
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Loose	FILL. Fine-medium loamy sand, trace silt and organic material, little fine-medium gravel. No MGP impact.	FILL		0.0	Dry 0.0	
-5		2	-	82%	Dark Brown	Medium Dense	Fine SILTY SAND, trace-little fine gravel.	SM		0.0	0.0	
						Stiff		SILT, trace fine gravel. No MGP impact.	ML			
						Loose			SW			
-10		3	-	67%	Light Brown-Orange		Fine-medium SAND, some fine-coarse gravel. No MGP impact.			0.0	0.0	
-15		4	-	72%	Orange-Brown					0.0	0-1	
-20	5	-	73%						0.0	0.0		
-25	6	-	70%						0.0	0-2		

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Discrete groundwater samples collected for PAH and BTEX at 34'-38' with drive point screen.
 Borehole backfilled with cement-bentonite grout to grade. Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
					Tan-Dark Brown						Wet
-30		7	-	88%	Brown-Gray	Loose-Medium Dense	Fine SILTY SAND. No MGP impacts.	SM		0.0	0-2
-35		8	-	N/A	Gray	Loose				0.0	0.0
-40		9	-	87%	Dark Gray		Fine-coarse SAND, trace fine gravel. Faint naphthalene-like odor.	SW		7.0 18 11 7.0	2.0 3.0 2.0
-45		10	-	93%	Gray	Loose-Medium Dense	Fine-coarse SAND. Faint naphthalene-like odor.			0.0 2.0	0.0 1.0 3.0 4.0
-50		11	-	95%	Light Brown		Fine-coarse SAND, trace fine-coarse gravel, well graded. Faint naphthalene-like odor.			9.0 6.0 7.0 6.0	2.0 1.0 2.0 1.0
-55		12	-	95%		Loose				0.0 0.6 2.4	0.0 1.0 2.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Discrete groundwater samples collected for PAH and BTEX at 34'-38' with drive point screen.
 Borehole backfilled with cement-bentonite grout to grade. Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-60		13	-	85%		Medium Dense					1.0
											0.0
-65		14	-	93%		Loose-Medium Dense	Fine-coarse SAND and GRAVEL. Faint naphthalene-like odor.	GP			
								Fine SAND. Faint naphthalene-like odor from 64'-65'.	SP		
-70					Tan-Gray	Medium Dense-Dense	Fine-medium SAND, some fine-medium gravel. No MGP impact.	SW			
						Gray	Very Dense	Fine SILTY SAND. No MGP impact.	SM		
-75							End of boring at 75' bgs.				
-80											
-85											
-90											

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Discrete groundwater samples collected for PAH and BTEX at 34'-38' with drive point screen.
 Borehole backfilled with cement-bentonite grout to grade. Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-211	
CLIENT: National Grid						SHEET: 1 OF 2	
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011	
GROUNDWATER: ~26' bgs.						BORING LOCATION: LIRR ROW, east of MOB	
CAS.						GROUND ELEVATION: N/A	
SAMPLER: Macrocore						DATE STARTED: 10/21/08	
CORE: DIA. 2-inch						DATE FINISHED: 10/21/08	
TUBE: WT.						DRILLER: K. Kegel	
FALL						GEOLOGIST: M. Dascoli	
* POCKET PENETROMETER READING						REVIEWED BY: K. Connare	

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		ROCK HARDNESS					HCN

0	[Cross-hatched pattern]	1	-	100%	Brown	Loose-Medium Dense	FILL. Silt, some fine-medium sand, some clay, few subrounded gravel. No MGP impact.	FILL		0.0	Dry 0.0
-5					Tan	Medium Dense					
-5	[Yellow dotted pattern]	2	-	85%	Brown	Loose-Medium Dense	Fine-coarse SAND, some fine gravel. No MGP impact.	SP		0.0	0.0
-10		3	-	78%	Orange-Brown						
-10					Dark Brown	Medium Dense	Fine-coarse SAND, trace fine gravel, trace silt. No MGP impact.	SP		0.6	
-15					Light Brown						
-15	[Yellow dotted pattern]	4	-	68%	Orange-Brown	Loose-Medium Dense	Fine-medium SANDY GRAVEL. No MGP impact.	GP		2.2	0.0
-20										3.9	
-20	[Yellow dotted pattern]	5	-	68%	Light Brown		Fine-coarse SAND, some fine-medium gravel. No MGP impact.	SP		3.2	
-25											
-25						Dark Brown		Fine-coarse SAND, trace medium gravel, few silt. No MGP impact.			7.1
-25	[Brown solid pattern]	6	-	70%	Brown		Fine SAND, some silt, few fine-coarse	SW-SM		5.5	
										6.2	
										15.1	

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-211

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 2 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
						Loose	gravel.			25.3	Wet
						Medium Dense	Fine-coarse GRAVELLY SAND. Sheen and light NAPL coating, faint naphthalene-like odor.	SW		27.9	
							Fine-medium SAND, few fine gravel, trace silt. Faint naphthalene-like odor, light NAPL coating.	SW-SM		32.7	
-30		7	-	97%	Light Brown		Fine SILT, some fine-medium sand. Faint naphthalene-like odor.	ML		0.0	0.0
-35		8	-	82%	Gray-Light Brown					0.0	0.0
-40							Coarse GRAVEL, some silt and fine-medium sand. Faint naphthalene-like odor.	GW			
							End of boring at 40' bgs.				

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-211

BORING NO. : DGP-212

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: LIRR ROW, east of MOB

GROUNDWATER: ~29' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 10/20/08

DIA. 2-inch

DATE FINISHED: 10/20/08

WT.

DRILLER: K. Kegel

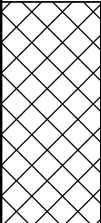
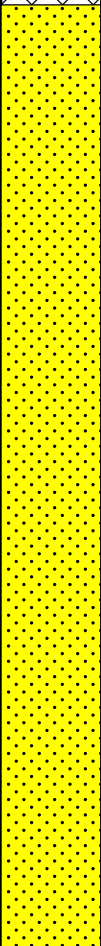
FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Loose	FILL. Fine-medium loamy sand, some fine-medium gravel. No MGP impact.	FILL		0.0	Dry 0.0
-5		2	-	77%	Light Brown		Fine-coarse SAND, some-trace fine-medium gravel. No MGP impact.	SW		0.0	0.0
-10		3	-	87%						0.0	0.0
-15		4	-	N/A						0.0	0.0
-20		5	-	N/A	Brown					0.0	0.0
-25		6	-	47%	Light Brown					Medium Dense- Dense	0.0

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-212

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30	[Yellow dotted pattern]	7	-	50%	Light Brown	Loose-Medium Dense	Fine-medium SAND. Moderate naphthalene-like odor, light brown NAPL staining.	SP	[Teal]	10	Wet 2.0
-35	[Blue vertical lines]	8	-	52%	Light Gray-Tan		Fine SAND. Strong naphthalene-like odor, heavy NAPL staining. 3" to 6" lenses of MGP impact. Light NAPL coating at 31'. Moderate NAPL coating at 33', NAPL saturation from 34.5'-35'.	SM	[Olive Green]	10	4.0
-40	[Yellow dotted pattern]	9	-	48%	Light Brown	Loose	Fine-medium GRAVEL, some fine-coarse sand. Slight naphthalene-like odor.	GW	[Yellow]	50	0-3
-45	[Yellow dotted pattern]						Fine-coarse SAND. Faint naphthalene-like odor.	SW	[Yellow]	25	5.0
-45							End of boring at 45' bgs.				
-50											
-55											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-213

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: LIRR ROW, East of MOB

GROUNDWATER: ~25' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 10/20/08

DIA. 2-inch

DATE FINISHED: 10/20/08

WT.

DRILLER: K. Kegel

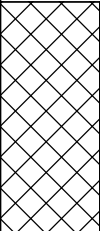

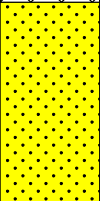
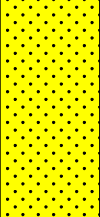
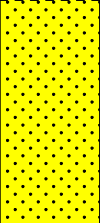

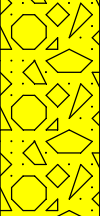


FALL

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Dense	FILL. Silt, some fine-medium sand, trace clay, trace gravel. Faint naphthalene-like odor.	FILL		0.1	Dry 0-1
-5		2	-	97%	Orange-Brown	Loose-Medium Dense	Fine-coarse SAND, some fine gravel. No MGP impact.	SW		0.1	0-1
-10		3	-	77%						0.2	0-1
-15		4	-	80%	Brown		Fine-coarse SAND, some fine-medium gravel, trace silt. Faint naphthalene-like odor.	SW		6.7	0-2
-20		5	-	78%			Fine-coarse SAND and fine GRAVEL. Light NAPL coating and brown staining, faint naphthalene-like odor.	SW-GW		0.9 0.6 0.4 0.6	Moist 0.0
-25		6	-	80%		Medium Dense- Dense	Fine-coarse SAND, few fine-medium	SW		140	Wet 1.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE			
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN			
-30		7	-	97%	Light Brown-Brown	gravel. Brown staining and moderate NAPL coating, strong naphthalene-like odor. Fine SAND, some silt. Brown NAPL saturation, strong naphthalene-like odor and sheen from 30'-34'. -clay layer, some silt and fine sand from 32'-33'. -no staining, faint naphthalene-like odor from 34'-38'. Fine-coarse SAND, some fine-coarse gravel, trace silt. Faint naphthalene-like odor.	SM		350 385 362 333 492 247 858 23.7 1.2 0.4 24.7 36.7 62 0.0	2.0 1.0 5.0 0.0 1.0 0.0 0.0				
Light Brown					8						-	97%	Light Gray	SW
-35					9						-	97%	Loose-Medium Dense	Gray-Tan
-40														
-45														
-50														
-55														
							End of boring at 45' bgs.							

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-214	
CLIENT: National Grid						SHEET: 1 OF 2	
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011	
GROUNDWATER: ~28.5' bgs						BORING LOCATION: LIRR ROW, East of MOB	
CAS.						GROUND ELEVATION: N/A	
SAMPLER						DATE STARTED: 10/17/08	
CORE						DATE FINISHED: 10/17/08	
TUBE						DRILLER: M. Mede	
Macrocore						GEOLOGIST: M. Dascoli	
2-inch						REVIEWED BY: K. Connare	
WT.							
FALL							
* POCKET PENETROMETER READING							

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Loose-Medium Dense	FILL. Silt, some fine-medium sand. No MGP impact.	FILL		0.0	Dry 0.0
-5		2	-	80%	Light Brown	Loose	Fine-coarse SAND, some fine-medium gravel. No MGP impact.	SW		0.0	0-1
-10		3	-	77%	Orange-Brown		Medium-fine SAND, some fine-medium gravel, trace silt. No MGP impact.			0.0	0.0
-15		4	-	53%		Medium Dense- Dense				0.0	0.0
-20		5	-	45%						0.0	0.0
-25		6	-	50%	Light Gray Light Brown	Medium Dense Loose	Medium-coarse SAND, some fine-medium gravel, trace silt. Medium-coarse SAND, some fine-medium gravel. Moderate naphthalene-like odor.			24.7	0-1

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-214

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 2 OF 2

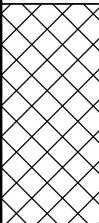
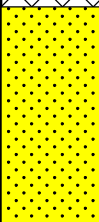
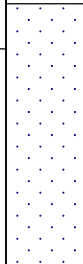
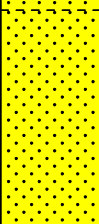

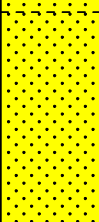
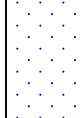
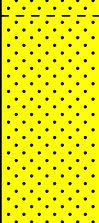
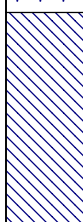
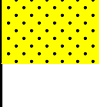

CLIENT: National Grid

JOB NO. : 11175065.00011



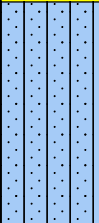

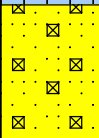

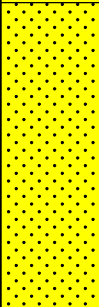
DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30	[Blue dotted pattern]	7	-	57%			Fine-medium SAND, some silt. Moderate naphthalene-like odor. -3" with some medium gravel at 28'. -2" lens of silt at 29.5'.	SM	[Yellow background]	5.2	Wet
						Medium Dense- Dense		16.2			
-35	[Yellow dotted pattern]	8	-	57%	Light Gray	Medium-coarse SAND, little fine-medium gravel. Faint naphthalene-like odor.	SW	[Yellow background]	4.5	0-1	
									3.3	1.0	
					Gray				5.0	11	
					Dense- Very Dense				4.3	0-1	
-40	[Brown solid pattern]					Fine SAND, some silt, trace fine gravel. Faint naphthalene-like odor.	SW-SM		1.2		
-40						End of boring at 40' bgs.					
-45											
-50											
-55											

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : DGP-215				
CLIENT: National Grid							SHEET: 1 OF 2				
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011				
GROUNDWATER: ~25' bgs							BORING LOCATION: MOB Parking Lot				
CAS. SAMPLER CORE TUBE							GROUND ELEVATION: N/A				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		DATE STARTED: 11/3/08			
				DIA.		2-inch		DATE FINISHED: 11/3/08			
				WT.				DRILLER: B. Rath			
				FALL				GEOLOGIST: J. Harshman			
* POCKET PENETROMETER READING							REVIEWED BY: K. Connare				
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Loose	FILL. Fine-medium sand, trace fine gravel. Faint petroleum odor from 4'-5'.	FILL		0.0	Dry 0.0
-5		2	-	75%	Tan-Gray		Fine-medium SAND, little well graded fine gravel. Faint petroleum odor.	SW		8.0	0.0
-10		3	-	62%	Orange-Gray		Fine-coarse SAND, trace-little fine-medium gravel. Black thin petroleum lenses from 10'-11', staining at 11'. Faint petroleum odor.			5.0	0.0
-15		4	--	60%	Light Brown-Gray		Fine-coarse SAND, little fine-medium gravel, light black petroleum staining and coating, heavy staining from 19'-20', strong petroleum odor.			460	1.0
-20		5	-	63%	Black		Fine-medium SAND, trace fine-medium gravel. Black petroleum staining, strong petroleum odor.			420	2.0
-25		6	-	52%	Tan	Medium Dense				400	3.0
										580	4.0
										400	5.0
										375	6.0
										340	5.0
										250	Wet 0.0
										275	
										320	

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30		7	-	52%	Gray		Fine-medium SAND. Brown, light to moderate NAPL staining and coating, strong naphthalene-like odor. -heavy NAPL coating from 29.5'-30'.	SP		310	1.0
-35		8	-	45%	Gray - Black	Dense	Fine SAND, some silt. Heavy NAPL coating, NAPL saturation, strong naphthalene-like odor from 30'-31'. -heavy NAPL sheen, no staining, moderate naphthalene-like odor from 31'-33'. -faint naphthalene-like odor from 33'-35'.	SM		420	0.0
-35		9	-	52%	Orange-Brown	Medium Dense	Fine-coarse SAND and GRAVEL. Faint naphthalene-like odor.	SP-GP		400	1.0
-40		10	-	40%			Fine-coarse SAND, trace fine gravel. No MGP impact.	SW		350	0.0
-45										270	0.0
-50										20	0.0
-55							End of boring at 50' bgs.			40	0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-216

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: LIRR ROW east, of MOB

GROUNDWATER: ~30' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 10/15/08

DIA. 2-inch

DATE FINISHED: 10/15/08

WT.

DRILLER: M. Meade


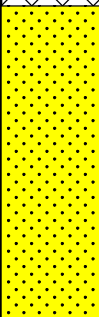
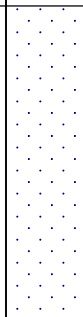
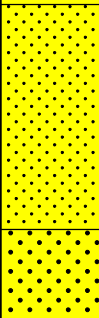
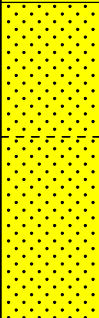
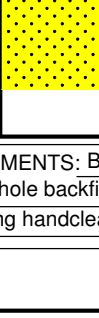


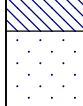
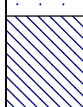
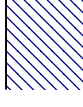
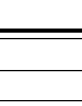
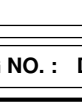
FALL

GEOLOGIST: J. Harshman

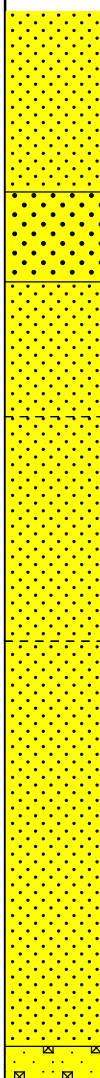
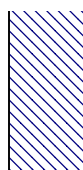

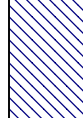
* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Loose	FILL. Fine loamy sand, trace fine gravel and organic matter. No MGP impact.	FILL		0.0	Moist 0.0
-5		2	-	72%	Light Gray	Loose-Medium Dense	Fine-coarse SAND, trace-little fine gravel. Slight petroleum odor.	SW		8.0	Dry
-10		3	-	65%	Light Brown	Loose	Fine-coarse SAND, trace well graded fine gravel. No MGP impact.			5.0	0.0
-15		4	-	53%	Light Brown	Loose-Medium Dense	Fine-coarse SAND, trace well graded fine gravel. No MGP impact.			3.0	0.0
-20		5	-	50%	Light Brown	Loose-Medium Dense	Fine-coarse SAND, little poorly graded fine-medium gravel. No MGP impact.	SP		1.0	0.0
-25		6	-	47%	Light Brown	Loose-Medium Dense	Fine-coarse SAND, little fine-medium gravel. Black staining, light coating, petroleum-like odor from 17'-20'.	SW		35	1.0
							Fine-medium SAND, trace fine gravel. Slight petroleum-like odor.			70	0-2
							-Black petroleum staining and coating, moderate petroleum-like odor from 22'-25'.			140	Dry- Moist
										170	
										200	
										100	Moist- Wet 0-1

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
-30		7	-	60%			-black petroleum staining and coating, strong petroleum-like odor from 25'-30'.			150		
							Fine SAND. Brown NAPL staining, light NAPL coating and naphthalene-like odor.	SP		100	Wet 2-3	
							Fine-coarse SAND, trace fine gravel. Black petroleum staining throughout, heavy petroleum coating and staining from 32'-33'.	SW		200		
-35			8	-	50%	Gray-Light Brown		Fine-medium SAND, trace well graded fine gravel. No MGP impact.			100	0-2
										1.2		
-40		9	-	50%	Light Brown		Fine-coarse SAND, trace fine-medium well graded gravel. No MGP impact.			1.6		
										0.0	0.0	
-45		10	-	60%						0.0	0.0	
										1.0		
										2.0		
										0.0		
-50							Medium-coarse SANDY GRAVEL. No MGP impact.	GP		1.0		
							End of boring at 50' bgs.					
-55												

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-217

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: LIRR ROW east of MOB

GROUNDWATER: ~28' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 10/16/08

DIA. 2-inch

DATE FINISHED: 10/17/08

WT.

DRILLER: K. Kegel

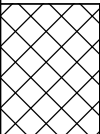
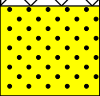
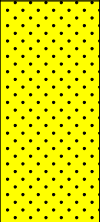
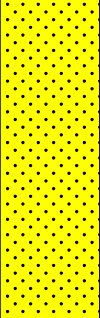
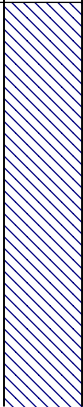
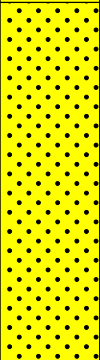

FALL

GEOLOGIST: J. Harshman

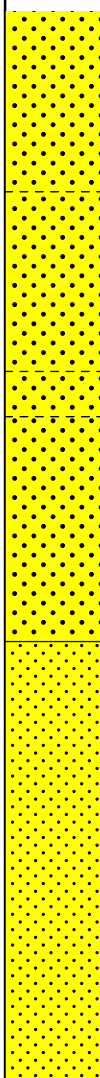

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Brown	Dense	FILL. Fine loamy sand, some fine-coarse gravel. No MGP impact.	FILL		0.0	Moist 0.0
-5		2	-	90%	Light Gray-Brown	Loose-Medium Dense	Fine-medium SAND, little fine-medium gravel. No MGP impact.	SP		0.0	Dry 0.0
-10		3	-	70%	Light Brown		Loose	Fine-coarse SAND, little well graded fine-coarse gravel. No MGP impact.	SW		0.0
-15		4	-	70%	Black	Loose-Medium Dense	Fine-coarse SAND, little fine-medium gravel. Black petroleum staining and light coating, strong petroleum odor. Heavy black petroleum staining from 17'-17.5'.	SP		7.0	0.0
-20		5	-	67%						Light Brown	5.0
-25		6	-	65%	Loose-Medium		-intervals of heavy black petroleum staining from 23'-25'.			100	Dry 0.0

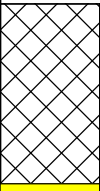



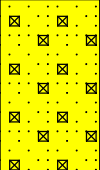

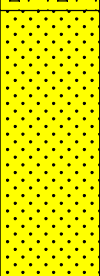

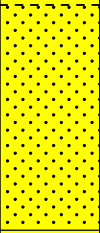

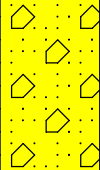



COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
-30		7	-	85%		Dense	-heavy black petroleum staining from 25'-30'.				Wet	
							Fine-medium SAND, little fine gravel. Black to light brown petroleum staining, light coating and sheen, strong petroleum-like odor.			40	1-2	
						Light Gray	Loose	Fine-medium SAND. Light NAPL sheen and slight naphthalene-like odor.			80	
-35		8	-	92%			Loose-Medium Dense	Fine-medium SAND. Faint naphthalene-like odor.			50	
											30	
-40		9	-	88%	Light Gray-Light Brown		Fine-coarse SAND, trace fine gravel. Faint naphthalene-like odor.	SW		20	0.0	
										3.0		
-45		10	-	97%	Gray	Loose				2.0	0-2	
										1.0	7.0	
-50					Light Brown	Medium Dense	-No MGP impacts noted from 49'-50'.			1.0	0-1	
-55							End of boring at 58' bgs.					

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-218	
CLIENT: National Grid						SHEET: 1 OF 2	
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011	
GROUNDWATER: ~21' bgs						BORING LOCATION: LIRR ROW, East of site	
CAS.						GROUND ELEVATION: N/A	
SAMPLER: Macrocore						DATE STARTED: 10/14/08	
CORE: DIA. 2-inch						DATE FINISHED: 10/14/08	
TUBE: WT.						DRILLER: K. Kegel	
FALL						GEOLOGIST: M. Dascoli	
* POCKET PENETROMETER READING						REVIEWED BY: K. Connare	

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown Dark Gray	Medium Dense	FILL. Sand and silt, few fine-medium gravel and coal fragments, trace brick. Faint naphthalene-like odor from 1'-4'.	FILL		0.0	Dry 0.0
-5		2	-	80%	Brown	Loose	CLAYEY SILT, trace fine sand. Faint naphthalene-like odor.	ML		0.0	0.0
-10		3	-	72%	Light Brown	Loose-Medium Dense	Fine-coarse SANDY GRAVEL. No MGP impact.	GP		0.0	0.0
-15		4	-	65%	Brown	Loose-Medium Dense	Fine-coarse SAND, few fine-medium gravel. No MGP impact.	SW		0.0	0.0
-20		5	-	63%	Black	Loose-Medium Dense	Fine-coarse SAND, trace fine gravel. Light NAPL coating from 16'-18.5'.	SW		14.3 25.3 12.3 27.3 30.1 48	0-1 0.0
-25		6	-	65%	Gray	Loose	Fine-coarse SANDY GRAVEL, trace silt. Light NAPL coating.	GW		67 98 110 93	Wet 0-1
-25		6	-	65%	Gray	Loose	Fine-coarse SAND, trace fine-medium	SW		63	1.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
-30	[Yellow dotted pattern]	7	-	78%	Black	Medium Dense	gravel. Light NAPL coating and naphthalene-like odor from 25'-26'. Fine-medium SANDY GRAVEL. Light NAPL coating and staining.	-	-	70	0-1	
						Loose					32.3	0.0
-35	[Yellow dotted pattern]	8	-	97%	Gray	Medium Dense	Medium-coarse SAND, some-trace fine gravel. Brown NAPL light-moderate coating from 30'-32.5'. -moderate brown NAPL coating from 33.5'-35'. -light brown light NAPL coating from 35'-36.5'.	GW	-	120	1.0	
						Loose-Medium Dense				72	0.0	
					Light Brown	70.2	8.4	0.0				
						1.3	1.0	0.8				
-40	[Yellow dotted pattern]	9	-	97%	Light Gray-Brown	SILT, some fine-medium sand, trace fine gravel. Light NAPL sheen and staining.	ML	-	-	0.8		
						Fine-medium SAND, trace fine-medium gravel. Light NAPL coating and light staining, moderate naphthalene-like odor.				SW	80.4	0-1
					Black	42.5	39.7					
-45	[Yellow dotted pattern]	10	-	97%	Light Brown	-fine-coarse gravelly sand from 42.5'-43'. -light-heavy NAPL coating and staining from 43'-44.5', black NAPL saturation from 44'-45'. -Faint naphthalene-like odor and sheen from 45'-49'.	-	-	-	13.1	0-1	
						66.1				4.6	3.2	
						0.7						
-50	[Yellow dotted pattern]	11	-	97%	-	Fine-medium SAND, some medium-coarse gravel. No MGP impacts.	-	-	-	0.0	0.0	
						Fine-medium SANDY GRAVEL. No MGP impact.				GP		
						Fine-coarse SAND, trace medium-fine gravel. No MGP impact.				SW		
-55							End of boring at 55' bgs.					

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : DGP-219				
CLIENT: National Grid							SHEET: 1 OF 2				
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011				
GROUNDWATER: ~25' bgs.							BORING LOCATION: LIRR ROW, east of site				
CAS. SAMPLER CORE TUBE							GROUND ELEVATION: N/A				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		DATE STARTED: 10/15/08			
				DIA.		2-inch		DATE FINISHED: 10/15/08			
				WT.				DRILLER: K. Kegel			
				FALL				GEOLOGIST: M. Dascoli			
* POCKET PENETROMETER READING							REVIEWED BY: K. Connare				
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS







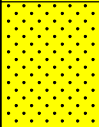
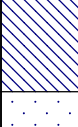
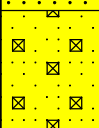

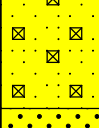

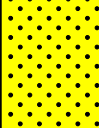

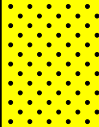
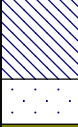
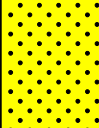

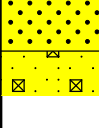

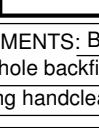
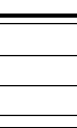
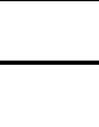
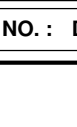


0	[Cross-hatched pattern]	1	-	100%	Brown	Medium Dense- Dense	FILL. Fine-medium sand, some silt and fine-medium gravel, some coal fragments. No MGP impact.	FILL		0.0	Dry 0.0		
					Black							2.0	0-1
					Dark Brown							1.5	0.0
	-5	[Yellow pattern]	2	-	75%	Brown		SILT, some clay.	ML		5.2		
						Light Brown	Loose-Medium Dense						Fine-medium GRAVELLY SAND. No MGP impacts.
	-10	[Yellow pattern]	3	-	97%			Fine-coarse SAND, some fine-medium gravel. No MGP impact.			8.5	0-1	
					Orange-Brown	Loose	11.3						0.0
-15	[Brown pattern]	4	-	73%	Brown	Loose-Medium Dense	Fine-medium SAND, some fine-medium gravel and silt. Slight NAPL staining.	SW-SM		66.2			
												11.0	
-20	[Brown pattern]	5	-	68%	Light Brown		-light NAPL red-brown coating from 18'-25', moderate naphthalene-like odor.			7.5			
												15.2	0-1
-25	[Yellow pattern]						Fine-medium GRAVELLY SAND. Light NAPL coating, staining, moderate naphthalene-like odor.	SW		37.5	1.0		
					Brown							51.5	Moist
		6	-	60%			Fine-coarse SANDY GRAVEL.	GP		62.3	Wet		

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
-30	[Yellow dotted pattern]	7	-	77%	Light Brown		Moderate to heavy naphthalene-like odor, NAPL coating and staining.		[Teal block]	39.2	1.0	
											0-1	
-35	[Yellow dotted pattern]	8	-	68%	Orange		Fine-coarse SAND, some fine-medium gravel. Dark brown NAPL staining and moderate-heavy NAPL coating.	SW	[Teal block]	4.3	0-1	
											48.7	1.0
											132	
-40	[Yellow dotted pattern]	9	-	97%	Gray-Light Brown		Fine-medium SAND, trace fine gravel. No MGP impacts.		[Teal block]	4.9	2.0	
											5.8	
											3.5	
											3.6	1.0
-45	[Yellow dotted pattern]						Fine-coarse SAND, trace fine-medium gravel. No MGP impacts.		[Teal block]	1.1	1-2	
											0.7	0-1
-45							End of boring at 58' bgs.					
-50												
-55												

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : DGP-220				
CLIENT: National Grid							SHEET: 1 OF 2				
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011				
GROUNDWATER: ~29' bgs							BORING LOCATION: LIRR ROW, East of site				
CAS.							GROUND ELEVATION: N/A				
SAMPLER: Macrocore							DATE STARTED: 10/21/08				
CORE: DIA. 2-inch							DATE FINISHED: 10/21/08				
TUBE: WT.							DRILLER: M. Meade				
FALL							GEOLOGIST: J. Harshman				
* POCKET PENETROMETER READING							REVIEWED BY: K. Connare				
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS




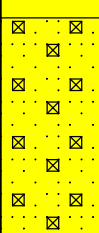
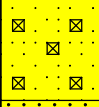
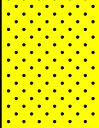
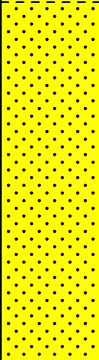
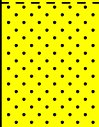
0		1	-	100%	Black	Loose	FILL. Fine silty, loamy sand, trace coal fragments. Petroleum odor.	FILL		3.0	Moist 0-2
-5		2	-	67%	Brown-Gray	Soft	SILT. Light black petroleum staining, slight petroleum-like odor.	ML		5.0	
-10		3	-	63%	Black	Loose	Fine-coarse SAND, trace-little fine gravel. Black staining from 7'-9'. Petroleum-like odor throughout.	SW		3.0	2.0
-15		4	-	60%	Light Brown		Fine-medium SAND and GRAVEL, lightly stained, moderate petroleum-like odor.	SP-GP		15	Moist- Dry
-20		5	-	67%	Brown-Orange		Fine-medium SAND, strong petroleum-like odor and light staining.	SP		20	3.0
-25		6	-	45%	Orange	Medium Dense	-slight petroleum-like odor from 20'-21'. -brown staining and light NAPL coating, strong naphthalene-like odor from 21'-25'.	SP-GP		22	2.0
										30	2.0
										80	Dry 1.0
										70	
										106	
										143	
										192	
										117	2.0
										190	4.0
										220	3.0
										160	1.0
										162	
										12	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5'.

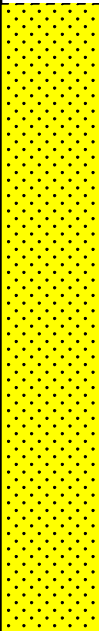
DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30	[Yellow dotted pattern]	7	-	52%	Brown-Orange	Loose	Black NAPL staining at 25'. Slight naphthalene-like odor throughout. Fine-medium SAND, little fine gravel. Moderate-heavy NAPL coating and black staining from 30'-32'. Trace sheen from 32'-35'. Naphthalene-like odor throughout.	SW	[Yellow]	2.0	0.0
											1.0
											0.0
-35	[Yellow dotted pattern]	8	-	35%	Light Brown	Loose-Medium Dense	Fine-coarse SAND, trace fine gravel. No MGP impact.	[Green]	80	190	Wet
											50
-40	[Yellow dotted pattern]	9	-	38%		Loose	Fine-medium SAND. No MGP impact.	SP		0.0	0.0
-45							End of boring at 45' bgs.				
-50											
-55											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-221					
CLIENT: National Grid						SHEET: 1 OF 2					
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011					
GROUNDWATER: ~24' bgs						BORING LOCATION: LIRR ROW, east of Site					
CAS.						GROUND ELEVATION: N/A					
SAMPLER: Macrocore						DATE STARTED: 10/23/08					
CORE: 2-inch						DATE FINISHED: 10/23/08					
TUBE: 2-inch						DRILLER: K. Kegel					
FALL						GEOLOGIST: J. Harshman					
* POCKET PENETROMETER READING						REVIEWED BY: K. Connare					
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		ROCK HARDNESS					HCN

0		1	-	100%	Black	Very Dense	FILL. Coal with silty sand, trace mortar. Little black staining, slight petroleum odor from 2'-3'.	FILL		0.0	Dry 0-1
					Dark Brown		PEAT and organic material. No MGP impact.	PEAT		2.0	
					Brown	Stiff	SILT. No MGP impact.	ML		1.0	
-5		2	-	73%		Medium Dense- Dense	Fine-coarse SAND and GRAVEL, poorly sorted. Slight petroleum-like odor throughout. Staining from 5'-6'.	SP-GP		0.0	Moist 0-1
										5.0	Dry
										6.0	
										5.0	
										4.0	
-10		3	-	70%		Loose	-brown staining and petroleum-like odor from 10'-11'. -slight petroleum-like odor from 11'-12'.			5.0	0-1
										3.0	
										6.0	
										7.0	
-15		4	-	60%			Fine-medium SAND, little-some fine-medium gravel. Moderate petroleum-like odor, dark brown staining and moderate coating, slightly tarry.	SW		35	Moist- Dry 0-2
										40	
										70	
										100	
-20		5	-	68%			Fine-coarse SAND, trace fine gravel. Petroleum-like odor, heavy petroleum-like staining and coating.			10	
										15	Wet
										110	
-25		6	-	68%	Light Brown-Orange		Fine-coarse SAND, some fine-medium gravel. No MGP impact. -heavy brown staining and moderate NAPL coating, moderate naphthalene-like odor from 24.5'-26'.			100	0-1

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
-30		7	-	50%		Loose-Medium Dense	Fine-coarse SAND, little-some fine-medium gravel. No MGP impact.				5.0 2.0 1.0 0.5 0.0	0.0
-35		8	-	80%	Light Brown	Loose		-trace cobble from 35'-40'.				2.0 4.0 2.0
-40							End of boring at 40' bgs.					
-45												
-50												
-55												

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-222

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: LIRR ROW, east of Site

GROUNDWATER: ~28' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				WT.				
				FALL				

DATE STARTED: 10/21/08

DATE FINISHED: 10/21/08



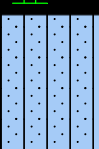
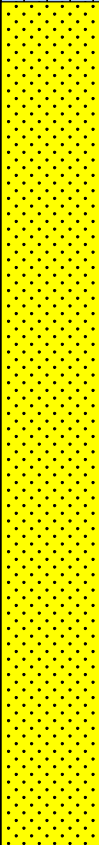
DRILLER: M. Meade

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

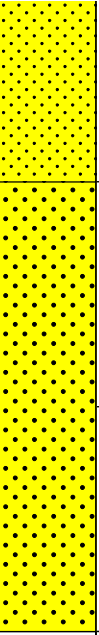
REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Medium Dense	FILL. Fine loamy silty sand, trace organic matter, trace fine gravel. No MGP impact.	FILL		0.0	Moist- Dry 0.0
							PEAT and organic material. No MGP impact.	PEAT			
		2	-	75%			Fine SILTY SAND. No MGP impact.	SM		0.0	0.0
					Light Brown	Loose	Fine-coarse SAND, little-some fine-coarse gravel. No MGP impact.	SW			Dry
-10		3	-	70%	Light Brown-Orange					0.0	0.0
		4	-	65%						0.0	0-1
-20		5	-	65%						2.0 0.0	3.0 2.0
-25		6	-	53%	Brown-Orange	Medium Dense				0.0	0-1

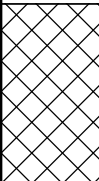
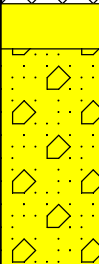
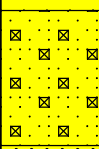
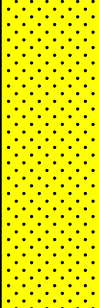
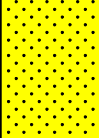
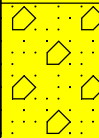
COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5'.

BORING NO. : DGP-222

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE		
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN		
-30		7	-	47%		Loose-Medium Dense	Fine-coarse SAND, little poorly graded fine-medium gravel. No MGP impact.	SP			0.0	0-1	Wet
-35		8	-	50%							0.0	0-1	
-40							End of boring at 40' bgs.						
-45													
-50													
-55													

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : DGP-223				
CLIENT: National Grid							SHEET: 1 OF 2				
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011				
GROUNDWATER: ~25' bgs							BORING LOCATION: LIRR ROW, east of Site				
CAS.							GROUND ELEVATION: N/A				
SAMPLER: Macrocore							DATE STARTED: 10/24/08				
CORE: DIA. 2-inch							DATE FINISHED: 10/24/08				
TUBE: WT.							DRILLER: K. Kegel				
FALL							GEOLOGIST: M. Dascoli				
* POCKET PENETROMETER READING							REVIEWED BY: K. Connare				
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Dense	FILL. Asphalt from 0'-0.25', sand with silt, some asphalt, coal fragments, and gravel. No MGP impacts.	FILL		0.0	Dry 0.0
-5		2	-	93%	Light Brown	Medium Dense- Dense Loose	SILT, some fine-medium sand, trace fine gravel.	ML		0.0	0.0
-10		3	-	77%	Orange-Brown	Medium Dense- Dense	Fine-medium SANDY GRAVEL, trace silt, poorly sorted. No MGP impacts.	GP		0.2	0.0
-15		4	-	68%	Brown		Fine-coarse SAND, some fine-medium gravel, trace silt.	SW		0.3	0.0
-20		5	-	65%	Light Brown	Loose				0.4	0.0
-25		6	-	62%	Brown	Loose-Medium Dense				0.1	0.0
					Orange-Brown	Dense	Fine-medium SANDY GRAVEL. No MGP impact.	GW		0.2	0.0
						Medium Dense- Dense	-faint naphthalene-like odor from 25'-30'.			1.1	Wet 0-1

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

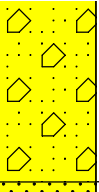
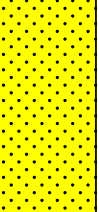
BORING NO. : DGP-223

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 2 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30		7	-	73%		Loose-Medium Dense	Medium-coarse SAND, little fine gravel, trace silt. Faint naphthalene-like odor.	SW		1.2 1.3 1.4 4.2 4.4 5.4 5.8 6.8	0-1
-35							End of boring at 35' bgs.				
-40											
-45											
-50											
-55											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-224

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: LIRR ROW, east of Site

GROUNDWATER: ~29' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 10/22/08

DIA. 2-inch

DATE FINISHED: 10/22/08

WT.

DRILLER: M. Meade

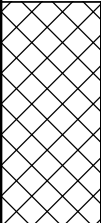
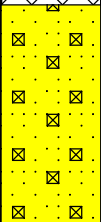
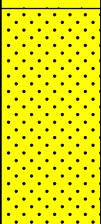
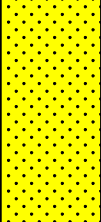
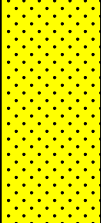

FALL

GEOLOGIST: J. Harshman

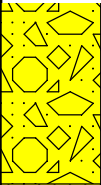
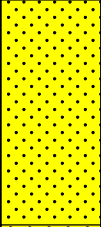
* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

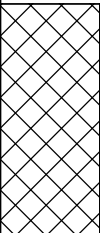

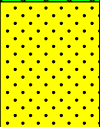
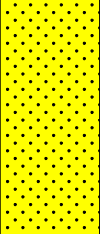
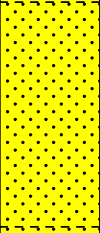
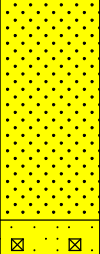
0		1	-	100%	Dark Brown	Loose	FILL. Loamy, fine silty sand. No MGP impact.	FILL		0.0	Dry 0.0
-5		2	-	55%	Brown-Light Brown	Medium Dense- Dense	Fine-coarse SAND and GRAVEL. No MGP impact.	SP-GP		0.0	0.0
-10		3	-	68%	Light Brown	Loose	Fine-coarse SAND, little-some fine-medium gravel, well graded. No MGP impact.	SW		0.0	0.0
-15		4	-	58%	Light Brown-Orange					0.0	0-1
-20		5	-	67%						0.2	0-1
-25		6	-	53%		Medium Dense- Dense	Fine-medium SAND and GRAVEL.	SW-GW		0.0	0-1

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
							No MGP impact.				Wet
-30		7	-	47%	Light Brown-Gray	Medium Dense	Fine-coarse SAND, little fine-medium gravel, well graded.	SW		0.0	0-1
-35		8	-	47%	Light Brown-Orange	Loose-Medium Dense	Fine-coarse SAND, little poorly graded fine-coarse gravel. No MGP impact.	SP		0.0	0.0
-40							End of boring at 40' bgs.				
-45											
-50											
-55											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-226					
CLIENT: National Grid						SHEET: 1 OF 2					
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011					
GROUNDWATER: ~25' bgs						BORING LOCATION: LIRR ROW, east of Site					
CAS.						GROUND ELEVATION: N/A					
SAMPLER: Macrocore						DATE STARTED: 10/22/08					
CORE: 2-inch						DATE FINISHED: 10/22/08					
TUBE: FALL						DRILLER: K. Kegel					
* POCKET PENETROMETER READING						GEOLOGIST: M. Dascoli					
						REVIEWED BY: K. Connare					
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		ROCK HARDNESS					HCN

0		1	-	100%	Dark Brown	Stiff	FILL. Clay with some sand, some asphalt, trace wood fragments. No MGP impact.	FILL		0.0	Dry 0.0
-5		2	-	97%	Brown		CLAY. No MGP impact.	CL		0.0	0.0
						Loose-Medium Dense	Fine-medium SAND, some fine-coarse gravel, trace silt. No MGP impact.	SW			
-10		3	-	80%		Medium Dense				0.0	0.0
-15		4	-	73%		Loose-Medium Dense	Fine-coarse SAND, some fine-medium gravel. No MGP impact.			0.0	0-1
-20		5	-	80%	Orange-Brown		Fine-medium SAND, some fine-coarse gravel, trace silt. No MGP impact.			0.0	0-1
-25		6	-	78%			Fine-medium GRAVELLY SAND. No	SP-GP		0.0	Wet 0-1

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
							MGP impact.				
							Fine-coarse SAND, trace fine gravel.	SW			
-30		7	-	68%	Brown	Loose	Fine-coarse GRAVEL and SAND. No MGP impact.	SW-GW		0.0	0.0
-35		8	-	97%		Loose-Medium Dense	Fine-coarse SAND, trace fine gravel.	SW		0.0	0.0
-40					Light Brown		Fine-medium SANDY GRAVEL.	GP			
							End of boring at 40' bgs.				

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-228

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: LIRR ROW, east of Site

GROUNDWATER: ~29' bgs

GROUND ELEVATION: N/A

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
						Macrocore		
				DIA.		2-inch		
				WT.				
				FALL				

DATE STARTED: 10/22/08

DATE FINISHED: 10/22/08

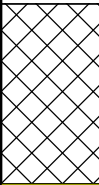




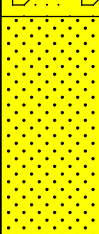
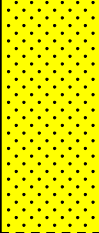
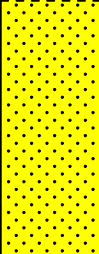
DRILLER: M. Meade

GEOLOGIST: J. Harshman

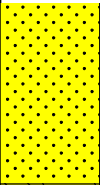
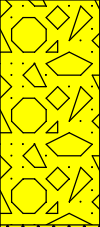
* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS


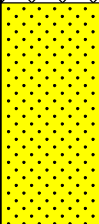
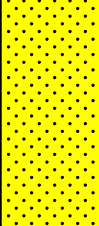
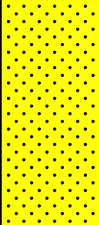
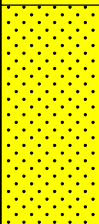



0		1	-	100%	Dark Brown	Medium Dense	FILL. Fine loamy silty sand, trace coal. No MGP impact.	FILL		0.0	Moist 0.0
-5		2	-	73%	Brown	Soft	SILT. No MGP impact.	ML	0.0	0.0	Dry 0.0
					Black	Stiff	PEAT. No MGP impact.	PEAT			
					Brown	Loose	SILT. No MGP impact.	ML			
-10		3	-	70%	Light Brown-Orange	Loose-Medium Dense	Fine-coarse SAND, some fine-coarse gravel. No MGP impact.	SW	0.0	0.0	
-15											4
-20		5	-	60%		Medium Dense	Fine-coarse SAND, trace-little well graded fine-medium gravel. No MGP impact.		0.0	0.0	
-25		6	-	58%		Loose-Medium			0.0	0.0	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
						Dense					Wet
-30		7	-	48%	Orange-Brown	Dense	Fine-coarse SAND and GRAVEL, poorly graded.	SW-GW		0.0	0.0
-35		8	-	47%	Light Brown-Orange	Medium Dense	Fine-coarse SAND, little fine-medium well graded gravel. No MGP impact.	SW		0.0	0.0
-40							End of boring at 40' bgs.				
-45											
-50											
-55											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : DGP-231				
CLIENT: National Grid							SHEET: 1 OF 2				
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011				
GROUNDWATER: ~25' bgs							BORING LOCATION: GC Park				
CAS. SAMPLER CORE TUBE							GROUND ELEVATION: N/A				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		DATE STARTED: 11/5/08			
				DIA.		2-inch		DATE FINISHED: 11/5/08			
				WT.				DRILLER: B. Rath			
				FALL				GEOLOGIST: J. Harshman			
* POCKET PENETROMETER READING							REVIEWED BY: K. Connare				
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Loose-Medium Dense	FILL. Loamy fine sand, little slag material. No MGP impacts noted.	FILL		0.0	Dry 0.0
-5		2	-	55%	Light Brown	Loose	Fine-coarse SAND, little fine-coarse gravel. No MGP impact	SW		0.0	0.0
-10		3	-	68%	Orange-Brown	Loose-Medium Dense				0.0	0.0
-15		4	-	72%	Light Brown					0.8	0-1
-20		5	-	58%	Orange-Brown		Fine-coarse SAND, trace fine gravel.	SW		0.0	0.0
-25		6	-	58%			-light, brown NAPL staining and faint naphthalene-like odor from 24'-25'.			0.5	1.0
							Fine-medium SAND. Light, brown NAPL staining, faint naphthalene-like	SP		2.0	4.0
										72	Moist 2.0

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-231

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 2 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
					Light Brown	Medium Dense	odor.	SM		16	Wet 1.0
							Fine SILTY SAND. Faint naphthalene-like odor, no staining.			15	
-30		7	-	52%			Fine-medium SAND, trace-little fine-coarse gravel. Faint naphthalene-like odor.	SW		1.0	0.0
										2.0	
										3.0	
										5.0	1.0
										6.0	
-35		8	-	55%			Fine-coarse SAND and GRAVEL, trace cobble. Faint naphthalene-like odor.	GW		1.9	0.0
										4.1	
										6.2	
										6.6	
-40							End of boring at 40' bgs.			19.3	
-45											
-50											
-55											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-231

BORING NO. : DGP-233

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 3

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: GC Park

GROUNDWATER: ~20' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 11/4/08

DIA. 2-inch

DATE FINISHED: 11/5/08

WT.

DRILLER: K. Kegel

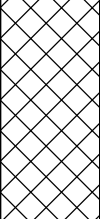
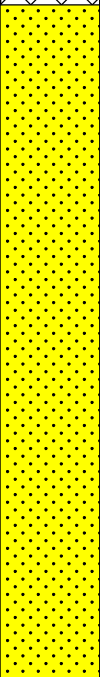
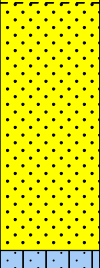
FALL

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Brown	Medium Dense- Dense	FILL. Fine-coarse sand, some fine-coarse gravel, trace concrete. No MGP impacts.	FILL		0.0	Dry 0.0
-5		2	-	97%	Light Brown	Loose	Fine-coarse SAND, some-little fine-coarse gravel. No MGP impacts.	SW		0.0	0.0
-10		3	-	72%							
-15		4	-	70%	Orange-Brown	Dense					
-20		5	-	N/A	Light Brown	Loose	Fine-coarse SAND, trace fine-coarse gravel. Faint naphthalene-like odor.	SW		0.0	Wet 0-1
-25					Brown	Loose-Medium Dense	-moderate naphthalene-like odor, brown staining and 0.5' to 1' layers of moderate-heavy NAPL coating from 22'-25.5'.			8.0	
		6	-	N/A	Light Brown	Dense		SM		25	
										75	
										78	0-1

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-233

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 2 OF 3

CLIENT: National Grid

JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30		7	-	97%		Loose-Medium Dense	Fine SAND. Faint naphthalene-like odor and sheen from 25.5'-26.5'. -no MGP impacts from 26.5'-30'.	GW		4.1 4.0 4.3	
							Fine-medium SAND and GRAVEL. Faint naphthalene-like odor.			3.4 4.3 1.1 5.2 6.2	0-1
-35		8	-	97%		Medium Dense	Fine-coarse SAND, some fine-coarse gravel. Faint naphthalene-like odor.	SW		2.1 11.1 8.8 7.7 10.7	0-1
-40		9	-	97%						0.0 2.0 0.1	0-1
-45		10	-	97%		Loose	Fine-medium SAND. Faint naphthalene-like odor.	SP		1.5	0-1
-50		11	-	97%			Fine-coarse SAND, little fine-coarse gravel. 1" of brown NAPL staining and moderate NAPL coating from 49.9'-50'. Faint naphthalene-like odor.	SW		0.0 23.4 30.1	0.0 0-1 1-2 0-1
-55		12	-	72%	Orange-Brown		Fine SAND and SILT. No MGP impact.	SM		41	1.0
							Fine-coarse SAND and fine GRAVEL. No MGP impact.	GP		67.5 54	0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5'.

BORING NO. : DGP-233

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-60		13	-	97%	Light Brown	Loose-Medium Dense	Fine-coarse GRAVEL, little-some cobbles. No MGP impact.	GW		56 58	0-1
-65		14	-	N/A		Medium Dense	Fine SAND, little silt, trace clay. Faint naphthalene-like odor.	SW-SM		5.1 7.6	0-1
-70							End of boring at 70' bgs.				
-75											
-80											
-85											
-90											

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-234

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: GC Park

GROUNDWATER: ~25.5' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 11/6/08

DIA. 2-inch

DATE FINISHED: 11/6/08

WT.

DRILLER: B. Rath

FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Loose	TOPSOIL. LOAMY fine SAND, some fine-medium gravel, trace tree roots.	Topsoil SM		0.0	Dry 0.0
-5		2	-	53%	Light Brown		Fine-coarse SAND, some fine-medium gravel	SW		0.0	0.0
-10		3	-	53%	Orange-Brown					0.0	0.0
-15		4	-	60%	Light Brown					0.0	0.0
-20		5	-	55%	Brown	Loose-Medium Dense	Fine-coarse SAND, trace fine gravel. Faint naphthalene-like odor, sheen.			0.1 0.0 0.1	Moist 3.0 1.0 2.0
-25		6	-	58%	Light Brown	Medium Dense- Dense	Fine-medium SAND, trace fine gravel. Brown staining, light NAPL coating, faint- moderate naphthalene-like odor.			15 16 17	1.0 2.0 Wet
								SP			

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30	[Yellow dotted pattern]	7	-	52%	Light Brown	Gray-Dark Gray	Fine SAND. Faint naphthalene-like odor.	SW	[Yellow bar]	3.0	1.0
						Medium Dense					4.0
-35	[Yellow dotted pattern]	8	-	47%	Light Brown	Loose-Medium Dense	Fine-coarse SAND, trace fine-medium gravel. Faint naphthalene-like odor.	SW	[Yellow bar]	7.0	1.0
											5.0
-40	[Yellow dotted pattern]	9	-	43%	Light Brown-Orange	Loose	Fine-coarse SAND, little fine-coarse gravel. Faint naphthalene-like odor.	SW	[Yellow bar]	8.0	2.0
											2.0
-45	[Yellow dotted pattern]	10	-	43%	Light Brown-Orange	Loose	-light NAPL sheen from 39'-40'.	SW	[Yellow bar]	0.0	0.0
											0.0
-50	[Yellow dotted pattern]	11	-	45%	Light Brown-Orange	Loose-Medium Dense	Fine-coarse SAND, trace-little fine-medium gravel. No MGP impact.	SW	[Yellow bar]	0.0	0.0
											0.0
-55							End of boring at 55' bgs.				

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-235

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: GC Park

GROUNDWATER: ~20' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 11/10/08

DIA. 2-inch

DATE FINISHED: 11/10/08

WT.

DRILLER: M. Meade


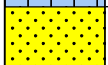
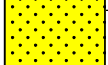
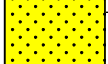

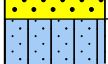
FALL

GEOLOGIST: J. Harshman

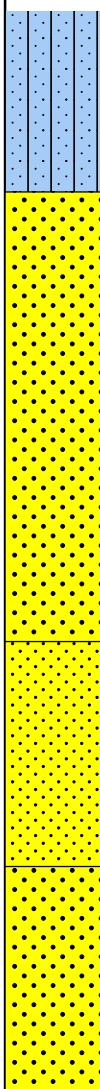
* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS


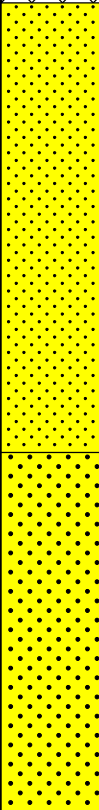

0		1	-	100%	Dark Brown	Medium Dense	TOPSOIL. No MGP impact.	Topsoil SM		0.0	Dry 0.0
-5		2	-	88%	Brown-Orange		Fine-medium LOAMY SAND, trace organic material, trace fine gravel. No MGP impact.	SW		0.0	
-10		3	-	85%			Fine-coarse SAND, some well graded fine-coarse gravel. No MGP impact.			0.0	0.0
-15		4	-	N/A		Loose				0.0	0.0
-20		5	-	45%			Fine-coarse SAND, trace poorly graded fine-medium gravel. No MGP impact.	SP		0.0	Wet 0.0
-25		6	-	47%	Light Brown	Loose-Medium	Fine-medium SAND. No MGP impact.	SM		0.0	0.0

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

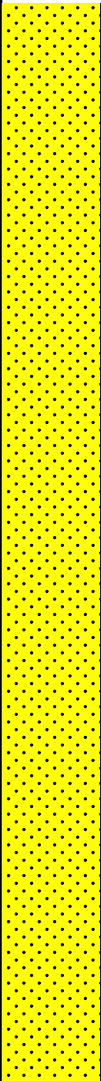
DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
-30		7	-	45%		Dense					0.0 0-2 0.0	
-35		8	-	47%	Brown-Orange						0.0 0.0	
-40		9	-	37%	Light Brown	Medium Dense	Fine-coarse SAND, trace well graded fine-medium gravel. No MGP impact.	SW				0.0 0.0
-45		10	-	N/A		Loose	Fine-coarse SAND. No MGP impact.	SP				0.0 0.0
-50							End of boring at 50' bgs.					
-55												

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : DGP-236				
CLIENT: National Grid							SHEET: 1 OF 2				
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011				
GROUNDWATER: ~20' bgs							BORING LOCATION: GC Park				
CAS.							GROUND ELEVATION: N/A				
SAMPLER: Macrocore							DATE STARTED: 11/4/08				
CORE: DIA. 2-inch							DATE FINISHED: 11/4/08				
TUBE: WT.							DRILLER: B. Rath				
FALL							GEOLOGIST: J. Harshman				
* POCKET PENETROMETER READING							REVIEWED BY: K. Connare				
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Medium Dense- Dense	FILL. Fine loamy silty sand, little fine gravel, trace mortar. No MGP impact.	FILL		0.0	Dry 0.0
-5		2	-	70%	Light Brown-Orange	Medium Dense	Fine-coarse SAND, little fine-coarse gravel. No MGP impact.	SW		0.0	0.0
-10		3	-	62%							
-15		4	-	63%	Loose-Medium Dense	Fine-medium SAND, trace fine gravel. No MGP impact.	SP	0.0	Moist 0.0		
-20		5	-	60%	Medium Dense			0.0	Wet 0.0		
-25			6	-	53%	Loose-Medium Dense	Fine SAND, some silt, trace coarse gravel. No MGP impact.	SM	0.0	0.0	
							Fine-coarse SAND, trace well graded	SW			

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE		
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN		
-30		7	-	53%			fine-medium gravel. No MGP impact.				0.0	0.0	
-35		8	-	50%		Medium Dense					0.0	0.0	
-40		9	-	50%	Light Brown							0.0	0.0
-45		10	-	47%								0.0	0.0
-50					Orange-Brown								
-55							End of boring at 50' bgs.						

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-237

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: GC Park

GROUNDWATER: ~24' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 11/4/08

DIA. 2-inch

DATE FINISHED: 11/4/08

WT.

DRILLER: B. Rath

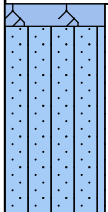
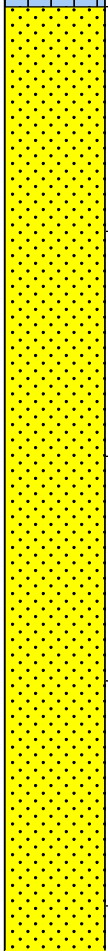
FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Loose-Medium Dense	TOPSOIL. No MGP impact. Fine-coarse LOAMY SAND, little fine gravel. No MGP impact.	Topsoil SM		0.0	Dry 0.0
-5		2	-	30%	Orange-Brown	Loose	Fine-coarse SAND, some- trace fine-coarse gravel. No MGP impact.	SW		0.0	0.0
-10		3	-	43%						0.0	0.0
-15		4	-	63%						0.0	0.0
-20		5	-	60%	Orange-Light Brown	Loose-Medium Dense				0.0	Moist 0.0
-25		6	-	53%						0.2	Wet 0.0

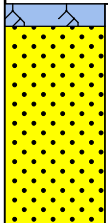
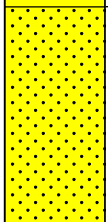
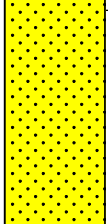
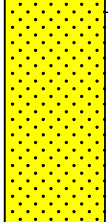
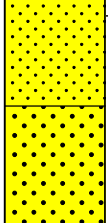


COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5'.

BORING NO. : DGP-237

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
-30	[Patterned]	7	-	52%						0.0	0.0	
-35		8	-	50%						0.0	0.0	
-40		9	-	48%	Light Brown						0.0	0.0
-45		10	-	50%		Medium Dense					0.0	0.0
-50							End of boring at 50' bgs.					
-55												

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-238					
CLIENT: National Grid						SHEET: 1 OF 3					
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011					
GROUNDWATER: ~24' bgs						BORING LOCATION: GC Park					
CAS.						GROUND ELEVATION: N/A					
SAMPLER: Macrocore						DATE STARTED: 10/27/08					
CORE: DIA. 2-inch						DATE FINISHED: 10/27/08					
TUBE: WT.						DRILLER: M. Meade					
FALL						GEOLOGIST: J. Harshman					
* POCKET PENETROMETER READING						REVIEWED BY: K. Connare					
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		ROCK HARDNESS					HCN

0		1	-	100%	Dark Brown	Loose-Medium Dense	TOPSOIL. No MGP impact. Fine-coarse loamy SAND, little fine-medium gravel, trace organic material. No MGP impact.	Topsoil SP		0.0	Dry 0.0
-5		2	-	97%	Light Gray-Light Brown		Fine-coarse SAND, little-some fine-coarse gravel, poorly graded. No MGP impact.	SW		0.0	0.0
-10		3	-	80%	Orange-Brown	Loose				0.0	0.0
-15		4	-	72%	Light Brown					0.0	0.0
-20		5	-	68%		Medium Dense				0.0	Moist 0.0
-25		6	-	93%			Fine-medium SAND. Brown staining, light-moderate NAPL coating, sheen and naphthalene-like odor.	SP		0.4 15 50	1.0 Wet 3.0 1.0
							Fine-coarse SAND, little fine-coarse	SW			

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30	Yellow dotted	7	-	92%	Orange-Brown	Loose	gravel. Brown staining, sheen, light NAPL coating and naphthalene-like odor.	SP	Olive green	40	0.0
						Medium Dense	Fine-coarse SAND, trace fine gravel. No MGP impact.				
-35	Yellow dotted	8	-	92%	Black	Medium Dense	Fine-coarse SAND, trace-little fine-medium gravel. Moderate NAPL coating from 34'-34.25', black staining, and naphthalene-like odor.	SP	Olive green	6.0	0.0
						Loose	Fine-coarse SAND, some fine-coarse gravel. No MGP impact.				
-40	Yellow dotted	9	-	97%	Orange-Brown	Loose-Medium Dense	-seams of light to moderate NAPL coating, black staining, sheen, and naphthalene-like odor from 38'-40'.	SP	Olive green	30	0.0
						Loose	Fine-medium SAND. Several seams of moderate NAPL coating from 44'-44.5', sheen, and naphthalene-like odor.				
-45	Yellow dotted	10	-	97%	Black	Loose	-NAPL staining from 45'-49'. Trace NAPL blebs, slight naphthalene-like odor, heavy sheen.	SP	Olive green	20	0.0
						Loose	-no staining from 49'-50'.				
-50	Yellow dotted	11	-	97%	Light Brown	Loose	-NAPL staining from 45'-49'. Trace NAPL blebs, slight naphthalene-like odor, heavy sheen.	SW	Olive green	10	0.0
						Loose-Medium Dense	Fine-coarse SAND, trace fine gravel. No MGP impact.				
-55	Yellow dotted	12	-	97%	Light Gray	Loose	Fine SAND. No MGP impact.	SP	Olive green	3.0	0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

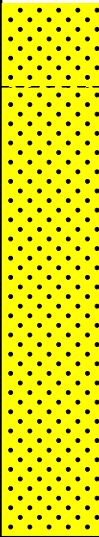
BORING NO. : DGP-238

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 3 OF 3

CLIENT: National Grid

JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
-60		13	-	97%		Loose	Fine-medium SAND. No MGP impact.				0.0	0.0
-65		14	-	97%	Light Brown-Yellow	Loose-Medium Dense					0.0	0.0
-70							End of boring at 70' bgs.					
-75												
-80												
-85												
-90												

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-238

BORING NO. : DGP-239

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: GC Park

GROUNDWATER: ~20' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 11/10/08

DIA. 2-inch

DATE FINISHED: 11/10/08

WT.

DRILLER: K. Kegel

FALL

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	N/A	Fine-medium SAND and SILT, some fine-medium gravel. No MGP impact.	SM		0.0	Dry 0.0
-5		2	-	97%	Orange-Brown		Fine-coarse SAND, some-little fine-coarse gravel. No MGP impact.	SW		0.0	0.0
-10		3	-	97%						0.0	0.0
-15		4	-	78%						4.2	1.0
										4.5	
										6.7	0-1
										15	
					Light Brown		Fine-medium GRAVEL, trace fine sand. No MGP impact.	GP			
							Fine SAND, trace fine gravel. No MGP impact.	SP			Moist
-20		5	-	67%	Orange-Brown		Fine-coarse SAND, some-little fine-coarse gravel. No MGP impact.	SW		1.0	Wet 0-1
-25		6	-	97%						1.0	0-1

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30	[Hatched Area]	7	-	97%	Brown					1.0	0-1
-35		8	-	97%	Orange-Brown					1.0	0-1
-40		9	-	97%			Fine-coarse SAND, little fine-medium gravel. No MGP impact.			1.0	0-1
-45		10	-	93%	Brown					0.0	0-1
-50							End of boring at 50' bgs.				

Fine-coarse GRAVEL, some fine-medium sand.

GW
SW

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-240	
CLIENT: National Grid						SHEET: 1 OF 3	
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011	
GROUNDWATER: ~19.5' bgs						BORING LOCATION: GC Park	
CAS.						GROUND ELEVATION: N/A	
SAMPLER Macrocore						DATE STARTED: 11/6/08	
CORE						DATE FINISHED: 11/7/08	
TUBE						DRILLER: K. Kegel	
DATE						GEOLOGIST: M. Dascoli	
TIME						REVIEWED BY: K. Connare	
LEVEL						* POCKET PENETROMETER READING	
TYPE							
TYPE DIA.							
TYPE WT.							
TYPE FALL							
DEPTH FEET							
STRATA							
SAMPLE NO.							
BLOW COUNT							
REC%							
RQD%							
COLOR							
SOIL CONSISTENCY							
ROCK HARDNESS							
MATERIAL DESCRIPTION							
USCS							
MGP COLOR CODE							
PID							
MOISTURE							
						HCN	

DEPTH FEET	STRATA	SAMPLE NO.	BLOW COUNT	REC%	RQD%	COLOR	SOIL CONSISTENCY	ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	HCN
0		1	-	100%		Black	N/A		FILL. Fine-medium sand, some silt, little fine-medium gravel. No MGP impact.	FILL		0.0	Dry	0.0
-5		2	-	97%		Orange-Brown			Fine-coarse SAND, trace fine gravel. No MGP impact.	SW		0.0	0.0	
-10		3	-	67%		Light Brown						0.0	0.0	
-15		4	-	63%		Orange-Brown			Coarse GRAVEL, some fine-coarse sand. No MGP impact.	GP		0.0	0.0	
-20		5	-	72%		Dark Brown			Fine-medium SAND, some-little fine-medium gravel. Faint naphthalene-like odor.			0.0	Wet	0-1
-25		6	-	97%		Light Brown			-dark brown light NAPL coating and sheen from 22.5'-23'.			8.8		
									Fine SAND. Heavy brown NAPL coating and sheen.	SP		7.2		
												124		4.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
-30	[Yellow dotted pattern]	7	-	90%			-NAPL saturation, strong naphthalene-like odor from 25'-27'. -faint naphthalene-like odor from 30'-34.5'.				324	6.0
											179	2.0
-35	[Yellow dotted pattern]	8	-	97%			Fine-coarse GRAVEL, some fine-medium sand. No MGP impact noted. Fine-coarse SAND, little fine-medium gravel. Faint naphthalene-like odor.	GP SW			90.5	1.0
											71.5	
-40	[Yellow dotted pattern]	9	-	97%	Brown		Fine-coarse SAND. Seams of dark brown staining and light-moderate NAPL coating, strong naphthalene-like odor.	SP			16.7	1.0
											20.9	
-45	[Yellow dotted pattern]	10	-	97%	Light Brown		Fine-coarse SAND, trace fine-coarse gravel. Faint naphthalene-like odor.	SW			13.5	
											16.5	
-50	[Yellow dotted pattern]	11	-	97%			Fine-medium GRAVEL, little fine-medium sand. No MGP impact noted. Fine-medium SAND, trace fine gravel. No MGP impact noted.	GP SW			8.1	
											36.1	0.0
-55	[Yellow dotted pattern]	12	-	97%							55.8	
											68.4	
											72.3	
											75.1	
											105	1.0
											102	2.0
											146	3.0
											63.7	2.0
											15.2	
											0.0	0-1
											10.0	
											11.8	
											4.3	0.0
											15.3	
											3.3	0.0
											3.8	
											4.0	

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5'.

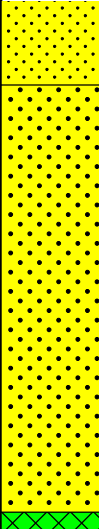

BORING NO. : DGP-240

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 3 OF 3

CLIENT: National Grid

JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-60		13	-	97%	Light Brown-Gray		Fine-medium SAND.	SP		5.5	0.0
-65		14	-	97%	Orange-Brown		-Faint naphthalene-like odor from 65'-69.5'.			1.8	
-70					White		CLAY. Faint naphthalene-like odor.	CL		1.3	
-70						End of boring at 70' bgs.		1.1			
-75										7.9	0.0
-80										8.3	
-85										9.1	
-90										10.5	
										11.5	

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-240

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-241	
CLIENT: National Grid						SHEET: 1 OF 2	
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011	
GROUNDWATER: ~20' bgs						BORING LOCATION: Adjacent to GC Park	
CAS.						GROUND ELEVATION: N/A	
SAMPLER: Macrocore						DATE STARTED: 11/21/08	
CORE: 2-inch						DATE FINISHED: 11/26/08	
TUBE:						DRILLER: K. Kegel	
DATE						GEOLOGIST: M. Dascoli	
TIME						REVIEWED BY: K. Connare	
LEVEL						* POCKET PENETROMETER READING	
TYPE							
TYPE							
DIA.							
WT.							
FALL							
DEPTH FEET							
STRATA							
SAMPLE NO.							
BLOW COUNT							
REC%							
RQD%							
COLOR							
SOIL CONSISTENCY							
ROCK HARDNESS							
MATERIAL DESCRIPTION							
USCS							
MGP COLOR CODE							
PID							
MOISTURE HCN							

DEPTH FEET	STRATA	SAMPLE NO.	BLOW COUNT	REC%	RQD%	COLOR	SOIL CONSISTENCY	ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE HCN
0		1	-	100%		Dark Brown	N/A		FILL. Fine-medium sand, some fine-coarse gravel and silt. No MGP impact.	FILL		0.0	Dry 0.0
-5		2	-	100%		Orange-Brown			Fine SANDY SILT, trace fine-coarse gravel. No MGP impact.	ML			
									Fine-medium SAND and GRAVEL, few silt.	SW-SM		0.0	0.0
									Fine-coarse SAND, some fine-coarse gravel, trace silt and cobble. No MGP impact.	SW			Moist
-10		3	-	73%								0.0	Dry 0.0
-15		4	-	78%		Light Brown			Fine-medium SAND, trace-little fine-medium gravel. No MGP impact.			0.0	0.0
-20		5	-	68%		Orange-Brown						0.0	Wet 0.0
									Fine-coarse GRAVEL, few medium-coarse sand. No MGP impact.	GP			
-25		6	-	97%					Fine SAND, few silt, trace fine gravel.	SM			
									Fine-coarse SAND, trace fine-medium	SP		0.0	0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

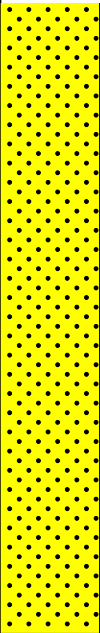
BORING NO. : DGP-241

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 2 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
-30		7	-	97%			gravel. No MGP impact.				0.0	0.0
-35		8	-	97%							0.0	0.0
-40							End of boring at 40' bgs.					
-45												
-50												
-55												

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-241

BORING NO. : DGP-242

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: Near GC Park, north of Reg. station

GROUNDWATER: ~18' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 11/24/08

DIA. 2-inch

DATE FINISHED: 11/24/08

WT.

DRILLER: K. Kegel

FALL

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

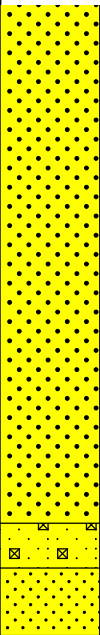
REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	N/A	N/A	No recovery. Preclearing was performed on 11/7/08. No soil data recorded.	NONE		N/A	
-5		2	-	7%	Dark Brown		Fine-coarse SAND, some silt, some fine-medium gravel. No MGP impact.	SM		5.2	Dry 0-1
-10		3	-	70%	Brown		Fine-coarse SAND, some fine-coarse gravel, trace silt. No MGP impact.	SW		0.0	0.0
-15		4	-	65%	Light Brown Brown Orange-Brown					0.0	0.0
-20		5	-	73%	Brown		Fine-coarse SAND, trace-little fine-medium gravel. No MGP impact.	SP		0.3 2.4 0.0	Wet 0.0
-25		6	-	88%	Orange-Brown					0.0	0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5'.

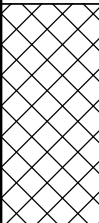

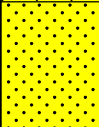
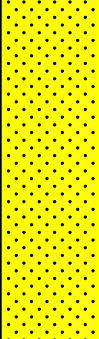
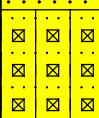
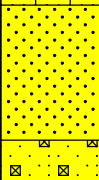

BORING NO. : DGP-242

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30		7	-	90%						0.0	0.0
-35		8	-	97%						0.0	0.0
-40							Fine-coarse SAND and GRAVEL. No MGP impact.	GP			
-40						Fine-medium SAND, some silt, trace fine-medium gravel. No MGP impact.	SW				
-40						End of boring at 40' bgs.					
-45											
-50											
-55											

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-243	
CLIENT: National Grid						SHEET: 1 OF 2	
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011	
GROUNDWATER: ~20' bgs						BORING LOCATION: National Grid Gas Reg. Station	
CAS.						GROUND ELEVATION: N/A	
SAMPLER: Macrocore						DATE STARTED: 11/21/08	
CORE: 2-inch						DATE FINISHED: 11/25/08	
TUBE:						DRILLER: K. Kegel	
DATE						GEOLOGIST: M. Dascoli	
TIME						REVIEWED BY: K. Connare	
LEVEL							
TYPE							
TYPE							
DIA.							
WT.							
FALL							
* POCKET PENETROMETER READING							

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS


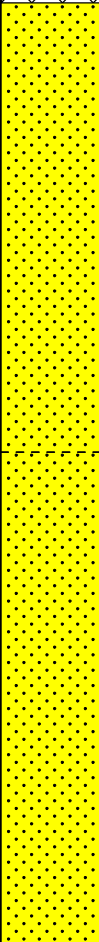
0		1	-	100%	Dark Brown	N/A	FILL. Sand and gravel, some glass, brick, asphalt, and concrete, some clay, silt and wood chips. Faint petroleum-like odor from 3'-5'.	FILL		0.0	Dry 0.0
-5		2	-	100%	Orange-Brown	N/A	Fine-medium SAND, some clay and fine-coarse gravel. No MGP impact.	SC		0.0	0-1
-10		3	-	73%			Fine-coarse SAND, some-little fine-medium gravel, trace-no silt. No MGP impact.	SW		0.0	0-1
-15		4	-	57%	Brown	N/A	Fine-coarse SANDY GRAVEL, little silt. No MGP impact.	GM		0.2 0.5 1.0 0.8 1.0 2.1 3.5	0-1
-20		5	-	68%			Dark Brown-Orange	Fine-coarse SAND, some fine-coarse gravel. No MGP impact.	SW		3.5
-25		6	-	68%	Orange-Brown	N/A	Fine-coarse SANDY GRAVEL.	GP		2.5	0-1
							Fine-coarse SAND, some fine-coarse gravel. No MGP impact.	SW			

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Borehole precleared to 10' bgs inside regulator station.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30	[Yellow dotted pattern]	7	-	97%	Brown		Fine SAND, trace fine gravel.	SP		3.5	0.0
-35		8	-	97%		Orange-Brown					
-40										1.0	
-40							End of boring at 40' bgs.			1.5	
-45											
-50											
-55											

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Borehole precleared to 10' bgs inside regulator station.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : DGP-244				
CLIENT: National Grid							SHEET: 1 OF 2				
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011				
GROUNDWATER: ~26' bgs							BORING LOCATION: On site				
CAS. SAMPLER CORE TUBE							GROUND ELEVATION: N/A				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		DATE STARTED: 9/28/08			
				DIA.		2-inch		DATE FINISHED: 9/28/08			
				WT.				DRILLER: K. Kegel			
				FALL				GEOLOGIST: J. Harshman			
* POCKET PENETROMETER READING							REVIEWED BY: K. Connare				
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Brown-Black	Loose	FILL. Fine-medium SAND, some fine-coarse gravel. No MGP impact.	FILL		0.0	Moist 0.0
-5		2	-	78%	Light Brown-Orange	Loose-Medium Dense	Fine-coarse SAND, little-trace fine-medium gravel. No MGP impact.	SW		0.0	Dry 0.0
-10		3	-	73%						0.0	0.0
-15		4	-	70%			Fine-coarse SAND, some fine-medium gravel. No MGP impact.			0.0	0.0
-20		5	-	75%						0.0	0.0
-25		6	-	65%	Orange-Brown					0.0	0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE		
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN		
	Dotted				Light Brown	Loose	Fine-coarse SAND, trace fine gravel. No MGP impact.				Wet		
-30		7	-	93%		Medium Dense					SP	0.0	0.0
-35		8	-	93%								0.0	0.0
-40							End of boring at 40' bgs.						
-45													
-50													
-55													

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-245

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 3

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: On site

GROUNDWATER: ~26' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 9/29/08

DIA. 2-inch

DATE FINISHED: 9/30/08

WT.

DRILLER: K. Kegel

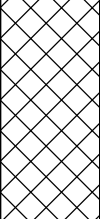
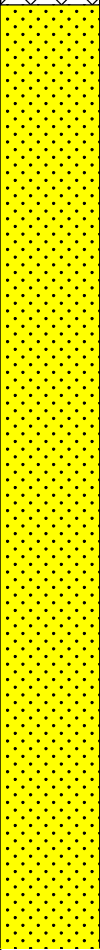
FALL

GEOLOGIST: J. Harshman

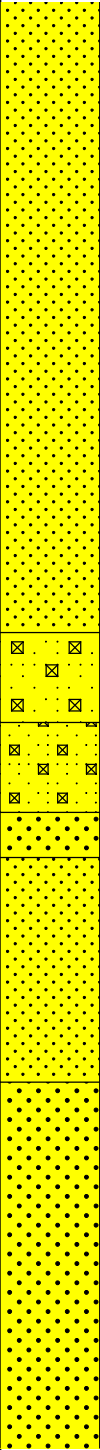
* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

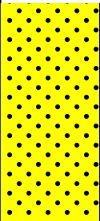
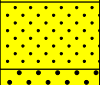
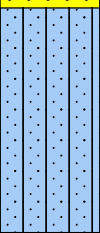
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Loose	FILL. Fine-coarse sand, some fine-coarse gravel. No MGP impact.	FILL		0.0	Wet 0.0
-5		2	-	82%	Orange-Light Brown	Loose-Medium Dense	Fine-coarse SAND, little-trace fine-coarse gravel. No MGP impact.	SW		0.0	Moist 0.0
-10		3	-	93%	Dark Brown	Loose				0.0	13 Dry 0.0
					Orange-Light Brown						
-15		4	-	72%		Loose-Medium Dense				0.0	0.0
-20		5	-	72%		Loose				0.0	1.0 0.0
-25		6	-	68%						0.0	Wet 0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30		7	-	88%		Loose-Medium Dense				0.0	0.0
-35		8	-	93%	Light Brown					0.0	0.0
-40		9	-	92%	Orange-Brown	Loose	Medium-Coarse SAND and GRAVEL, poorly graded. No MGP impact.	SP-GP		0.0	0.0
							Fine-coarse GRAVEL, little coarse sand. No MGP impact.	GP			
							Fine-medium SAND. No MGP impact.	SP			
-45		10	-	92%	Light Brown	Medium Dense	Fine-coarse SAND, little-some fine-coarse gravel, trace clay.	SW		0.0	0.0
-50	11	-	97%		Loose	Fine-medium SAND. No MGP impact.	SP		0.0	0.0	
-55	12	-	78%						0.0	0.0	

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-60		13	-	80%						0.0	0.0
					Light Brown-Orange	Medium Dense	Fine-coarse SAND, some fine-medium gravel.	SW			
-65		14	-	93%	Gray Orange-Light Brown		Fine SAND. No MGP impact.	SP SM		0.0	0.0
							Fine-medium SAND, trace silt and clay.				
-70							End of boring at 70' bgs.				
-75											
-80											
-85											
-90											

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-246

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 3

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: On site

GROUNDWATER: Depth to Water CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 10/14/08

DIA. 2-inch

DATE FINISHED: 10/15/08

WT.

DRILLER: M. Meade

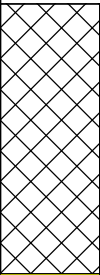
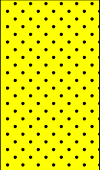
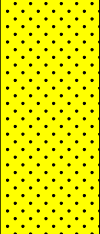
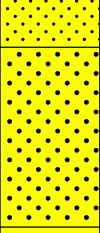
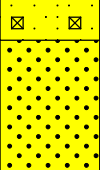
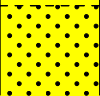
FALL

GEOLOGIST: J. Harshman/ C. Friedman

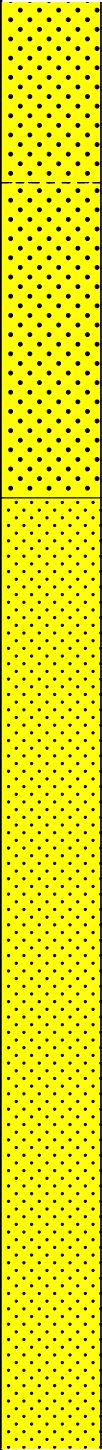
* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

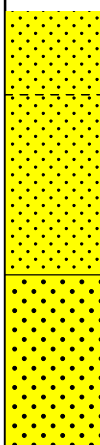
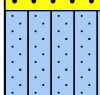
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Black	Loose	FILL. Cinder material, fine-medium sand, little gravel. Slight brown-black staining.	FILL		0.0	Dry 0.0
-5		2	-	80%	Light Brown		Medium-coarse SAND, some gravel. No MGP impact noted.	SW		4.0	1.0
-10		3	-	80%	Brown					3.0	0.0
-15		4	-	60%			-few lenses of black NAPL staining, slight naphthalene-like odor from 15'-16'.	SP		2.0	1.0
-20		5	-	58%			Medium SAND. Lenses of black NAPL staining, naphthalene-like odor from 16'-20'.	SP		15	2.0
-25		6	-	55%	Light Brown-	Loose-Medium	Medium SAND and GRAVEL. Some black staining from 20'-21'.	SP-GP		35	3.0
							Medium SAND. Lenses of black staining from 21'-24'.	SP		60	Wet 3.0
							Medium-coarse SAND, trace gravel. No MGP impact noted.			129	4.0
										20	1.0
										0.0	0.0

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
					Red	Dense						
-30		7	-	50%	Light Brown		Fine SAND. Trace naphthalene-like odor.			0.0	0.0	
-35		8	-	60%		Loose				0.5 0.0	3.0 0-1	
-40		9	-	60%		Brown-Red		Medium-coarse SAND, some-little subround gravel. Faint naphthalene-like odor from 37'-40'.	SW		0.0	0-2
-45		10	-	40%		Brown		-no MGP impact from 40'-45'.			0.0	0.0
-50		11	-	47%		Brown-Red	Medium Dense	-faint naphthalene-like odor from 45'-60'.			0.0	0.0
-55		12	-	40%							0.0	0.0

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-60		13	-	40%	Light Brown		Fine-coarse SAND, trace fine gravel. No MGP impact.			0.0	0.0
-65		14	-	55%	Light Gray Light Gray- Light Brown	Loose- Medium Dense	Fine SAND. No MGP impact.	SP	0.0	0.0	
-70						Brown- Orange	Dense	Fine SILTY SAND. No MGP impact.	SM		
-70							End of boring at 70' bgs.				
-75											
-80											
-85											
-90											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-247

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 3

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: On site

GROUNDWATER: ~26' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 10/1/08

DIA. 2-inch

DATE FINISHED: 10/1/08

WT.

DRILLER: K. Kegel

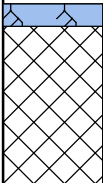
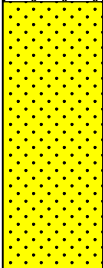
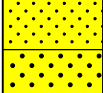
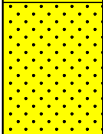
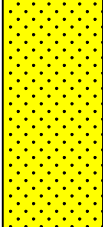
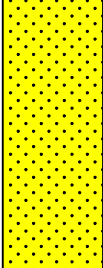
FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Loose	TOPSOIL. No MGP impact.	TOPSOIL FILL		0.0	Moist 0.0
-5		2	-	88%	Light Brown-Orange		FILL. Loamy fine sand, trace gravel. No MGP impact.	SW		0.0	Dry 0.0
-10		3	-	87%	Dark Brown		Fine-medium SAND.	SP		0.0	0.0
-15		4	-	72%	Light Brown-Orange		Fine-coarse SAND, little fine gravel. No MGP impact.	SW		0.0	0.0
-20		5	-	67%		Loose-Medium Dense				0.0	0.0
-25		6	-	72%						0.0	0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. 0'-5' interval pre-cleared with hand tools. Borehole backfilled with cement-bentonite grout to grade.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
											Wet
-30		7	-	90%	Orange-Brown Light Brown	Loose	Fine-medium SAND. No MGP impact.	SP		0.0	0.0
-35		8	-	97%			-trace fine-coarse gravel.			0.0	0.0
-40		9	-	85%		Medium Dense				0.0	0.0
-45		10	-	90%			Fine-coarse GRAVEL, trace-little fine-coarse sand.	GP			
-45		10	-	90%			Fine-coarse SAND, little-trace fine gravel. No MGP impact.	SW			
-45		10	-	90%		Loose-Medium Dense				0.0	0.0
-50		11	-	90%						0.0	0.0
-55		12	-	92%						0.0	0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 0'-5' interval pre-cleared with hand tools.
 Borehole backfilled with cement-bentonite grout to grade.

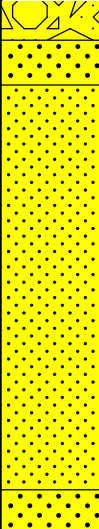
BORING NO. : DGP-247

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 3 OF 3

CLIENT: National Grid

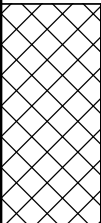
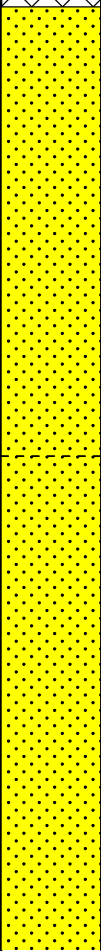
JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-60		13	-	80%			Fine-coarse SAND and GRAVEL.	SW-GW		0.0	0.0
							Fine SAND. No MGP impact.	SP			
						Medium Dense	Fine-coarse SAND, trace well graded fine-medium gravel. No MGP impact.	SW			
-65		14	-	97%	Orange-Brown	Loose-Medium Dense				0.0	0.0
-70					Light Gray	Loose	Fine SAND. No MGP impact.	SP			
							End of boring at 70' bgs.				
-75											
-80											
-85											
-90											

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 0'-5' interval pre-cleared with hand tools.
 Borehole backfilled with cement-bentonite grout to grade.

BORING NO. : DGP-247

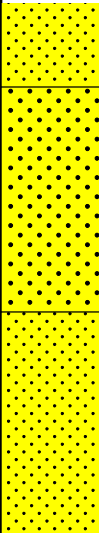
PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : DGP-248				
CLIENT: National Grid							SHEET: 1 OF 3				
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011				
GROUNDWATER: ~26' bgs							BORING LOCATION: On site				
CAS. SAMPLER CORE TUBE							GROUND ELEVATION: N/A				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		DATE STARTED: 10/6/08			
				DIA.		2-inch		DATE FINISHED: 10/6/08			
				WT.				DRILLER: K. Kegel			
				FALL				GEOLOGIST: J. Harshman			
* POCKET PENETROMETER READING							REVIEWED BY: K. Connare				
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Loose	FILL. Fine-coarse sand, little fine-coarse gravel, trace brick. No MGP impact.	FILL		0.0	Dry 0.0
-5		2	-	85%	Light Brown-Orange	Loose-Medium Dense	Fine-coarse SAND, trace fine-medium gravel. No MGP impact.	SW		0.0	0.0
-10		3	-	73%						0.0	0.0
-15		4	-	68%						0.0	0.0
-20		5	-	68%	0.0	0.0					
-25		6	-	62%			Orange-Brown	0.0	0.0		

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. 0'-5' interval pre-cleared with hand tools.
Borehole backfilled with cement-bentonite grout to grade.

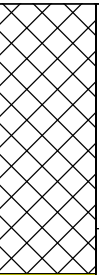
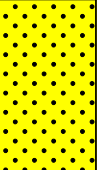
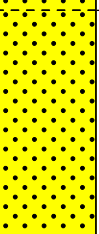
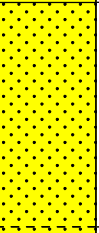
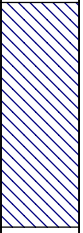
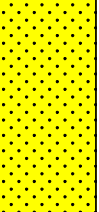


DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
											Wet
-30		7	-	82%	Light Brown		Fine-coarse SAND, trace fine gravel. No MGP impact.				
							Fine-coarse SAND. No MGP impact.	SP		0.0	0.0
-35		8	-	97%						0.0	0.0
-40		9	-	90%			Fine-coarse GRAVEL, little fine-coarse sand.	GP		0.0	0.0
-45		10	-	97%		Medium Dense	Fine-coarse SAND, trace fine-coarse gravel. No MGP impact.	SW		0.0	0.0
-50		11	-	97%						0.0	0.0
-55		12	-	97%						0.0	0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 0'-5' interval pre-cleared with hand tools.
 Borehole backfilled with cement-bentonite grout to grade.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-60		13	-	97%			Fine-coarse SAND, some fine-coarse poorly graded gravel. No MGP impact.	SP		0.0	0.0
-65		14	-	97%			Fine-coarse SAND, some fine-coarse well graded gravel. No MGP impact.	SW		0.0	0.0
-70							End of boring at 70' bgs.				
-75											
-80											
-85											
-90											

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 0'-5' interval pre-cleared with hand tools.
 Borehole backfilled with cement-bentonite grout to grade.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : DGP-249						
CLIENT: National Grid							SHEET: 1 OF 3						
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011						
GROUNDWATER: ~25' bgs							CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION: N/A		
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore				DATE STARTED: 10/7/08			
				DIA.		2-inch				DATE FINISHED: 10/8/08			
				WT.						DRILLER: K. Kegel			
				FALL						GEOLOGIST: J. Harshman			
							* POCKET PENETROMETER READING			REVIEWED BY: K. Connare			
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE		
		NO.	BLOW COUNT	RQD%		ROCK HARDNESS					HCN		

0		1	-	100%	Dark Brown	Loose-Medium Dense	FILL. Fine-coarse sand, some gravel. No MGP impact.	FILL		0.0	Wet 0.0
-5		2	-	82%	Dark Brown-Light Brown	Medium Dense	Fine-coarse SAND, little fine-medium gravel, poorly graded. No MGP impact.	SP		0.0	0.0 Dry
-10		3	-	68%	Light Brown-Orange	Loose	Fine-medium SAND, trace fine gravel. No MGP impact.			0.0	0.0
-15		4	-	68%	Light Brown-Dark Brown		Fine-coarse SAND, some fine-coarse gravel. Slight petroleum coating and odor. Jar shake test- no sheen.	SW		1.0 2.0 3.0	0.0
-20		5	-	70%	Light Brown		Fine-coarse SAND, little fine-medium gravel, well graded.			2.0 0.0	0.0
-25		6	-	55%	Tan-Orange	Loose-Medium	-lightly coated with faint naphthalene-like odor at 24'. Jar shake test- slight sheen. Fine-coarse SAND, some-trace fine-coarse gravel.			3.0 0.0 5.0	Wet 0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

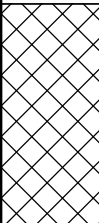
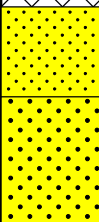

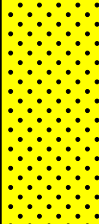

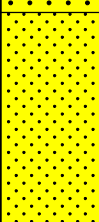
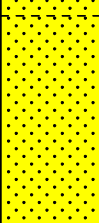


DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30	[Yellow dotted pattern]	7	-	90%		Dense	-brown staining, moderate NAPL coating, and moderate naphthalene-like odor from 26'-30'.				10
											15
-35	[Yellow dotted pattern]	8	-	93%		Dense	-MGP impacted with black staining from 30'-34.5'. -moderate NAPL coating and sheen from 30'-32'.				40
											45
-40	[Yellow dotted pattern]	9	-	97%	Brown-Orange	Dense	-NAPL saturation and sheen from 32'-33'. -Thin stringers of NAPL saturation from 33'-34.5'.	SP			50
											30
-45	[Yellow dotted pattern]	10	-	97%	Light Brown-Tan	Loose	Fine-medium SAND. -NAPL blebs at 35'. No staining from 35.5'-38'.	GP			10
											20
-50	[Yellow dotted pattern]	11	-	97%		Loose	-3" lens of NAPL saturation from 38'-38.5', moderate naphthalene-like odor. -No MGP impact from 38.5'-41'.	SW			10
											30
-55	[Yellow dotted pattern]	12	-	97%		Loose-Medium Dense	Fine-coarse GRAVEL, trace coarse sand, poorly graded. No MGP impact.	SW			0.3
											0.0
							Fine-coarse SAND and GRAVEL. No MGP impact.	SW-GW			1.0
							Fine-coarse SAND, trace fine-medium gravel.	SW			0.0
							-Faint naphthalene-like odor from 55'-70'. Jar shake test- no sheen.				0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS			HCN		
-60		13	-	97%			-Faint naphthalene-like odor.			0.0	0.0
-65		14	-	97%				0.0		0.0	
-70							End of boring at 70' bgs.				
-75											
-80											
-85											
-90											

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : DGP-250				
CLIENT: National Grid							SHEET: 1 OF 3				
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011				
GROUNDWATER: ~26' bgs							BORING LOCATION: On site				
CAS.							GROUND ELEVATION: N/A				
SAMPLER: Macrocore							DATE STARTED: 10/8/08				
CORE: 2-inch							DATE FINISHED: 10/8/08				
TUBE: 2-inch							DRILLER: M. Meade				
WT.:							GEOLOGIST: J. Harshman				
FALL:							REVIEWED BY: K. Connare				
* POCKET PENETROMETER READING											
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Black-Brown	Medium Dense	FILL. Fine-coarse SAND, some fine-coarse gravel.	FILL		0.0	Dry 0.0
-5		2	-	77%	Light Brown		-faint petroleum odor from 4'-5'.	SW		5.0	Moist-Dry 0.0
-10		3	-	62%	Brown	Loose-Medium Dense	Fine-medium SAND, trace fine-medium gravel. Petroleum odor and black staining from 7'-10'.	SP		25	Dry
-15		4	-	62%		Loose	-Petroleum-like impacts, light brown staining, bands of black staining, trace sheen, and strong petroleum odor from 10'-20'. Jar shake test- trace sheen, oily residue, strong petroleum odor.			50	0.0
-20		5	-	53%	Gray-Light Brown	Medium Dense	Fine-medium SAND, little some fine-medium gravel. Moderate petroleum odor, thin lenses of black petroleum staining. Jar shake test: trace sheen, oily residue, strong petroleum odor.	SW		25	0.0
-25		6	-	53%	Light Brown	Loose	Fine-coarse SAND, trace fine-medium gravel. Strong naphthalene-like odor and black staining, trace sheen and coating. Gravel coated from 24'-25'.			70	0.0
							Fine-coarse SAND, little fine gravel,	SP		45-60	0-3

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30		7	-	43%		Loose-Medium Dense	poorly graded. Moderate naphthalene-like odor. Black staining from 25'-27'.				Wet
-35		8	-	53%		Tan-Orange	-light brown petroleum-like staining, light coating and moderate naphthalene-like odor from 30'-35'.			10-50	1-6
-40		9	-	50%	Light Brown-Tan	Medium Dense	Fine-coarse SAND and fine-coarse GRAVEL. No MGP impact noted.	SW-GW		6.0	0.0
-45		10	-	57%			Fine-medium SAND, trace fine gravel. No visible MGP impact.	SP			
-50		11	-	72%			Fine-coarse SAND, trace well graded fine-coarse gravel. No MGP impact.	SW		3.0	0.0
-55		12	-	60%						0.6	0.0

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

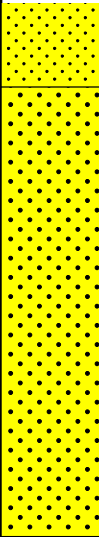
BORING NO. : DGP-250

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 3 OF 3

CLIENT: National Grid

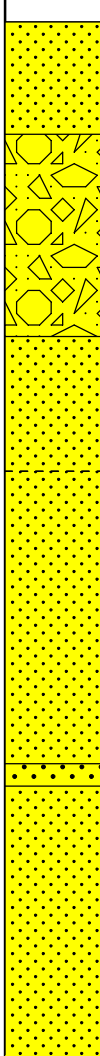
JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
-60		13	-	43%			Fine-coarse SAND, little fine-medium gravel, poorly graded. No MGP impact.	SP			2.0	0-1
											1.0	
-65		14	-	57%							0.6	0-1
-70							End of boring at 70' bgs.					
-75												
-80												
-85												
-90												

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-250

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-251					
CLIENT: National Grid						SHEET: 1 OF 2					
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011					
GROUNDWATER: ~30' bgs						BORING LOCATION: On-site					
CAS.						GROUND ELEVATION: N/A					
SAMPLER Macrocore						DATE STARTED: 12/29/08					
CORE						DATE FINISHED: 12/29/08					
TUBE						DRILLER: K. Kegel					
DATE						GEOLOGIST: M. Dascoli					
TIME						REVIEWED BY: K. Connare					
LEVEL											
TYPE											
TYPE											
DIA. 2-inch											
WT.											
FALL											
* POCKET PENETROMETER READING											
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0							No Recovery. Hand cleared and filled with #2 sand. Concrete encountered at 2' bgs.	N/A		N/A	
-5		1	-	100%	Gray-Brown	Loose	Fine-coarse SAND, trace-little gravel. Slight naphthalene-like odor.	SW	0.0	Dry 0.0	
		2	-	97%	White-Light Brown		Fine-coarse GRAVELLY SAND. Faint naphthalene-like odor.	SW-GW			
						Orange-Brown		-moderate naphthalene-like odor, thin layers of light NAPL staining.		5.3	1.0
										5.0	0.0
										25	1.0
										38	
-10		3	-	80%	Dark Brown		Fine SAND, trace fine gravel. Moderate naphthalene-like odor, dark brown staining and heavy NAPL coating. -NAPL saturation from 11'-13'.	SW	35	2.0	
									72		
									84.9		
									61.4		
-15		4	-	77%	Tan		Fine-coarse SAND, some fine-medium gravel. Layers of slight-moderate NAPL coating from 13'-15'.		48.6	2.0	
					Black		-dark brown layers of moderate NAPL coating from 15'-16'.		48.4		
							-moderate NAPL coating, and strong gasoline odor from 16'-19.5'.		85.4		
									171		
									34.5	1.0	
-20		5	-	78%	Tan		Fine-medium SAND. Trace NAPL coating.	SP			
					Black			SW	131	2.0	
									103		
					Gray		Fine-medium SAND, some fine-medium gravel. Black moderate petroleum coating and strong petroleum odor.		77.8		
									90.8		
									93.4		
-25		6	-	72%	Brown		-faint petroleum odor, no staining from		102	5.0	

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
							24.5'-25'. -strong petroleum odor from 25'-28'.			97.7	
							Fine-coarse GRAVEL, some fine-medium sand. Moderate petroleum odor.	GW		115	6.0
										18.7	2.0
										20.6	1.0
-30		7	-	83%	Light Brown		Fine-coarse SAND, few fine gravel. Slight petroleum odor.	SW		3.3	Wet
					Brown					2.3	
										4.1	0.0
										2.7	1.0
										4.6	4.0
-35		8	-	65%			Fine SAND. Moderate petroleum odor.	SP		1.3	0.0
										3.1	1.0
							Fine-coarse GRAVEL, some coarse sand. Moderate petroleum odor.	GW		5.8	2.0
										7.5	1.0
										7.7	
-40		9	-	87%	Light Brown		Fine-medium SAND, trace fine gravel. Faint petroleum odor.	SW		0.6	2.0
										1.1	
										1.8	
										0.3	
										0.4	
-45		10	-	97%			Fine-medium SAND. No MGP impact. -some fine-medium gravel.			0.0	1.0
-50							End of boring at 50' bgs.				
-55											

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5'.

BORING NO. : DGP-252

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 3

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: On site

GROUNDWATER: ~25' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 10/9/08

DIA. 2-inch

DATE FINISHED: 10/10/08

WT.

DRILLER: K. Kegel

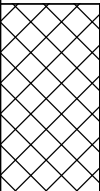
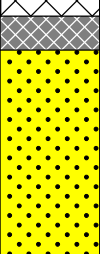
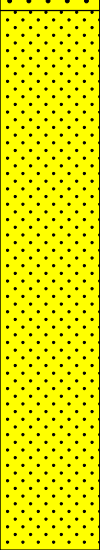
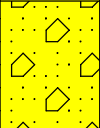


FALL

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Medium Dense- Dense	FILL. Fine sand and clay, brick and wood fragments, gravel. No MGP impact.	FILL		0.4	Dry 0-1
-5		2	-	90%	White	Very Dense	Concrete.	CEMENT		0.0	0.0
-10		3	-	80%	Light Brown	Dense-Medium Dense	Fine-coarse GRAVELLY SAND. No MGP impact.	SP		0.8	0-1
-15		4	-	83%	Orange-Brown	Loose-Medium Dense	Fine-coarse SAND, some fine-medium gravel. No MGP impact.	SW		0.5	0-1
-20		5	-	77%	Light Brown	Loose				0.7	0-1
-25		6	-	47%	Gray-Brown	Medium Dense	Fine-coarse SANDY GRAVEL. Naphthalene-like odor.	GW		0.4	0-1
					Gray					0.6	1-2
										0.6	0-1
										0.3	0-1
										0.6	1-2
										14.3	Wet
										25.7	0-1
										42.2	1-2
										1.0	0-1

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
					Gray-Brown		Fine-coarse SAND, some-trace fine-medium gravel. Naphthalene-like odor, slight sheen. Jar shake test-slight sheen, no staining, strong naphthalene-like odor.	SW			2-3
-30		7	-	72%	Orange-Brown		-no MGP impact from 30'-35'.			65.3	0.0
										4.1	0.0
										14.7	0.0
										1.9	0.0
										1.1	0.0
										0.0	0.0
-35		8	-	97%	Light Brown		-black NAPL staining, NAPL saturation from 35'-35.5'.			14.7	0.0
										17.8	0.0
										20.6	0.0
										1.7	0.0
										0.5	0.0
-40		9	-	97%		Loose-Medium Dense	Fine-coarse SANDY GRAVEL. Pockets of black NAPL saturation from 38.5'-39'.	GP SW		0.0	0.0
							Fine-coarse SAND, little fine-medium gravel. NAPL sheen from 39'-40'. -no MGP impact noted from 40'-44.75'			25.5	0.0
										14.1	0.0
-45		10	-	97%			-moderate NAPL coating, dark brown staining, naphthalene-like odor from 44.75'-45'. -black NAPL saturation from 45'-45.3'.			7.8	0.0
										4.3	0.0
										1.9	0.0
-50		11	-	97%			Fine-coarse SAND, little fine-medium gravel. Light-moderate NAPL coating, staining, moderate naphthalene-like odor. Thin NAPL stringers throughout.			3.1	0.0
										4.5	0.0
										3.0	0.0
										0.1	0.0
-55		12	-	80%			-3" seam of NAPL saturation at 54'. Fine-coarse SAND, trace fine gravel. No MGP impact.			0.1	0.0
										0.4	0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-252

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 3 OF 3

CLIENT: National Grid

JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN

-60	••••• •••••						Fine SAND. No MGP impact.				0.1
							End of boring at 60' bgs.				
-65											
-70											
-75											
-80											
-85											
-90											

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-252

BORING NO. : DGP-253

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 3

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: On site

GROUNDWATER: ~27' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 10/9/08

DIA. 2-inch

DATE FINISHED: 10/10/08

WT.

DRILLER: M. Meade


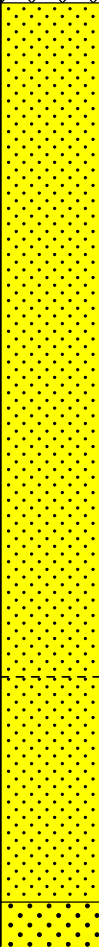

FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Brown	Loose	FILL. Fine-coarse sand, little-some well graded fine-coarse gravel. No MGP impact.	FILL		0.0	Moist 0.0
-5		2	-	85%	Light Brown-Orange	Loose-Medium Dense	Fine-coarse SAND, trace-little fine-medium gravel. No MGP impact.	SW		0.0	Dry 0.0
-10		3	-	70%						0.0	0.0
-15		4	-	58%						1.0 0.0	0.0
-20		5	-	58%						0.0	0.0
-25		6	-	47%			Fine-coarse SAND, trace fine gravel. -slight NAPL coating, brown staining and naphthalene-like odor from 24.5'-25'.	SP		20 10	0-1

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
-30		7	-	57%		Loose	staining, slight NAPL coating, sheen and strong naphthalene-like odor. Jar shake test- heavy sheen and NAPL. Fine-medium SAND, little fine-medium gravel. No MGP impact noted.	SW		5.0	Wet	
										4.0		
								Fine-coarse SAND and GRAVEL. Moderate NAPL coating, sheen, and naphthalene-like odor.	SW-GW		0.0	0.0
								Fine SAND. No MGP impact noted.	SP		20	
-35			8	-	63%	Light Brown	Loose-Medium Dense	Fine-medium SAND. No MGP impact.			5.0	
											0.0	0.0
-40		9	-	55%	Light Brown-Orange		Fine-coarse SAND, trace-little well graded fine-medium gravel. No MGP impact.	SW		0.0	0.0	
-45		10	-	63%	Light Brown	Loose	Fine-coarse SAND. No MGP impact.			0.0	0.0	
-50		11	-	53%						0.0	0.0	
-55		12	-	35%			Fine-medium SAND, trace fine gravel. No MGP impact.			0.0	2.0	
										0.0	0.0	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5'.

BORING NO. : DGP-253

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 3 OF 3

CLIENT: National Grid

JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-60							End of boring at 60' bgs.				
-65											
-70											
-75											
-80											
-85											
-90											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-253

BORING NO. : DGP-254

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: On site

GROUNDWATER: ~29' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 10/10/08

DIA. 2-inch

DATE FINISHED: 10/13/08

WT.

DRILLER: M. Meade

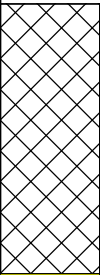
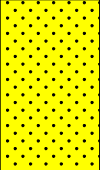
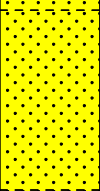
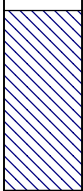
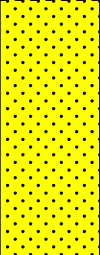
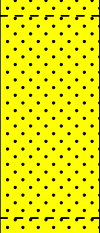


FALL

GEOLOGIST: J. Harshman/M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

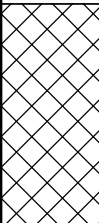

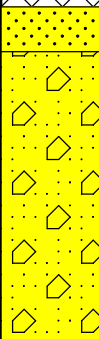
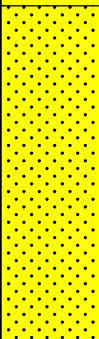
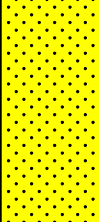


0		1	-	100%	Light Brown	Loose	FILL. Mortar, brick, fine-medium sand. No MGP impact.	FILL		0.0	Moist 0.0
-5		2	-	73%	Dark Brown		Fine-coarse SAND, little fine-medium gravel. No MGP impact.	SW		0.0	Dry 0.0
-10		3	-	72%	Orange-Brown		Fine-coarse SAND. Brown petroleum-like staining.			0.1	0-1
-15		4	-	63%	Light Brown Light Brown-Orange		Fine-coarse SAND, trace fine gravel. No MGP impact.			0.1	0-1
-20		5	-	58%	Light Brown	Medium Dense	Fine-coarse SAND, little-some fine-medium gravel. No MGP impact.			0.2	0.0
-25		6	-	55%			Fine-coarse SAND. Black staining and petroleum-like odor from 24.5'-			50 130 100	1.0 2-5

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
							25'. -black staining and strong petroleum-like odor from 26'-27'.			150	Wet
-30		7	-	58%	Orange Light Brown-Orange		Fine-coarse SAND, little fine-medium gravel. No MGP impact.			0.0	0.0
					Light Brown					0.6 0.9 1.3	
-35		8	-	68%	Light Brown-Orange					0.6 0.9	0-1
										2.0 1.3	
-40		9	-	58%	Light Brown	Dense- Very Dense	Fine-coarse GRAVELLY SAND. No MGP impact.	SP-GP		1.6 0.6	0-1
					Light Brown-Orange	Loose-Medium Dense	Fine-coarse SAND, trace fine-medium gravel. No MGP impact.	SW		1.0 0.6	
-45		10	-	55%		Loose				0.0	0.0
-50		11	-	42%		Loose-Medium Dense				0.2 0.8 0.0	0.0
-55							End of boring at 55' bgs.				

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-255					
CLIENT: National Grid						SHEET: 1 OF 2					
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011					
GROUNDWATER: ~25' bgs						BORING LOCATION: On site- Area E					
CAS.						GROUND ELEVATION: N/A					
SAMPLER: Macrocore						DATE STARTED: 10/9/08					
CORE: DIA. 2-inch						DATE FINISHED: 10/9/08					
TUBE: WT.						DRILLER: K. Kegel					
FALL						GEOLOGIST: M. Dascoli					
* POCKET PENETROMETER READING						REVIEWED BY: K. Connare					
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	18%	Dark Brown	N/A	FILL. Clay, some fine-medium sand and angular gravel, ash like material. Sheen and faint naphthalene-like odor from 0'-3'.	FILL		14.1	Wet 0-1
-5		2	-	75%	Brown		Fine-medium SAND, some fine-medium subround gravel. No MGP impact.	SW		0.7	0-1
-10		3	-	95%	Gray		Fine-coarse SANDY GRAVEL. No MGP impact.	GW		0.3	Dry
-15		4	-	83%	Orange-Brown	Loose-Medium Dense				0.0	0.0
-20		5	-	90%	Light Brown	Loose	Fine-coarse SAND, some-little fine-medium gravel. No MGP impact.	SW		0.0	0.0
-25		6	-	65%	Light Brown-Orange					0.0	0.0
					Orange-Brown	Loose-Medium Dense	Fine-coarse SANDY GRAVEL. No MGP impact.	GW		0.2	Wet 0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. Borehole backfilled with cement-bentonite grout to grade. 0'-5' excavated during IRM.

BORING NO. : DGP-255

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 2 OF 2

CLIENT: National Grid

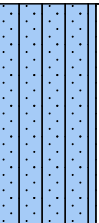
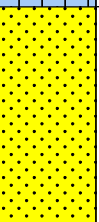
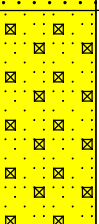
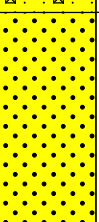
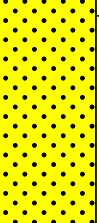

JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
					Light Brown	Fine-coarse SAND, trace-no fine gravel. -some gravel from 26.5'-27.5'.	SW			0.1	
-30		7	-	13%	Orange-Brown	Fine-coarse SANDY GRAVEL. No MGP impact.	GW			0.0	0.0
-35		8	-	97%	Brown					0.0	0.0
-40					Light Brown	Fine-coarse SAND, trace medium gravel. No MGP impact.	SW				
						End of boring at 40' bgs.					

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
0'-5' excavated during IRM.

BORING NO. : DGP-255

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : DGP-256				
CLIENT: National Grid							SHEET: 1 OF 2				
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011				
GROUNDWATER: ~24' bgs							BORING LOCATION: North end of MOB				
CAS. SAMPLER CORE TUBE							GROUND ELEVATION: N/A				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		DATE STARTED: 11/3/08			
				DIA.		2-inch		DATE FINISHED: 11/3/08			
				WT.				DRILLER: B. Rath			
				FALL				GEOLOGIST: J. Harshman			
* POCKET PENETROMETER READING							REVIEWED BY: K. Connare				
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		ROCK HARDNESS					HCN


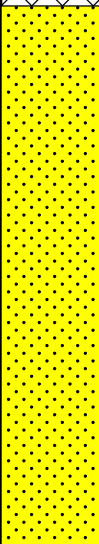


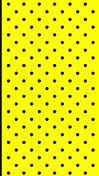



0		1	-	100%	Dark Brown	Loose	Fine LOAMY SAND, trace silt, trace fine gravel. No MGP impact.	SM		0.0	Dry 0.0
-5		2	-	40%		Loose-Medium Dense	Fine-medium SAND, little-some fine-coarse gravel. No MGP impact.	SW		0.0	Moist- Dry 0.0
-10		3	-	43%	Orange-Brown		Medium-coarse SAND and fine-medium GRAVEL. No MGP impact.	GP		0.0	Dry 0.0
-15		4	-	58%	Orange-Light Brown		Fine-coarse SAND, little fine-medium gravel. No MGP impact.	SP		0.0	0.0
-20		5	-	57%	Light Brown	Loose				0.0	0.0
-25		6	-	68%	Orange-Light					0.0	0.0

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
					Brown						
-30		7	-	53%	Light Brown-Gray	Loose-Medium Dense	Fine SILTY SAND. No MGP impact.	SM		0.0	0.0
					Light Brown	Medium Dense					
-35		8	-	45%		Medium Dense- Dense	Fine-medium SAND, trace fine gravel. No MGP impact.	SP		0.0	0.0
-40					Gray	Dense	Fine-coarse SAND and GRAVEL. Faint naphthalene-like odor.	GP		2.0	
							End of boring at 40' bgs.				

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

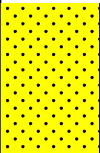
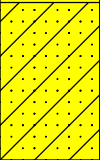
PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : DGP-257				
CLIENT: National Grid							SHEET: 1 OF 3				
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011				
GROUNDWATER: ~25' bgs							BORING LOCATION: On-site				
CAS. SAMPLER CORE TUBE							GROUND ELEVATION: N/A				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		DATE STARTED: 11/18/08			
				DIA.		2-inch		DATE FINISHED: 11/20/08			
				WT.				DRILLER: M. Mede/ B. Rath			
				FALL				GEOLOGIST: M. Dascoli			
* POCKET PENETROMETER READING							REVIEWED BY: K. Connare				
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	N/A	FILL. Sand and silt, concrete, coal, trace glass fragments. No MGP impact.	FILL		0.0	Dry 0.0
					Brown		Fine-coarse SAND, little fine-medium gravel. No MGP impact.	SW		0.0	0.0
-5		2	-	62%							
					Light Brown						
-10		3	-	63%	Brown		-trace silt from 10'-15'.			0.0	0.0
					Orange-Brown						
-15		4	-	58%	Orange-Brown		Fine-coarse GRAVELLY SAND, trace silt. No MGP impact.	SW-GW		0.0	0.0
					Dark Brown					1.0	
-20		5	-	52%	Light Brown		Fine-coarse SAND, some-little fine-coarse gravel, trace silt. No MGP impact.	SW		0.0	0.0
											
-25		6	-	55%			Fine-coarse SANDY GRAVEL, trace silt. No MGP impact.	GW			
							Fine-coarse SAND, some-trace fine	SW		0.0	Wet 0.0

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
							gravel.				
-30		7	-	53%	Gray-Light Brown		Fine SAND. No MGP impact.	SP		0.0	0.0
-35		8	-	52%	Orange Gray-Light Brown		Fine-coarse SAND, trace-some fine-medium gravel.	SW		0.0	0.0
-40		9	-	57%	Light Brown					0.0	0.0
-45		10	-	42%	Brown Light Brown					1.7	10
-50		11	-	13%						0.5	6.0
-55		12	-	15%						1.7	3.0
										0.8	1.0
										0.0	0.0

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

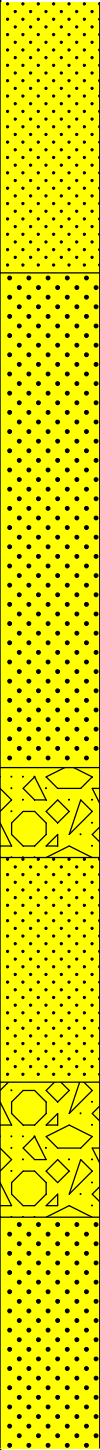
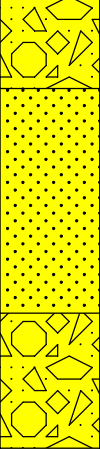
DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-60		13	-	48%	Orange-Brown					0.2	
						Light Gray	Fine SAND, few clay.	SC		0.1	0.0
-65		14	-	0%			No Recovery from 65'-70'.	NONE		0.0	
-70							End of boring at 70' bgs.				
-75											
-80											
-85											
-90											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-258	
CLIENT: National Grid						SHEET: 1 OF 3	
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011	
GROUNDWATER: ~26' bgs						BORING LOCATION: Stepout boring, North of DGP-253	
CAS.						GROUND ELEVATION: N/A	
SAMPLER						Macrocore	
CORE						DATE STARTED: 11/17/08	
TUBE						DATE FINISHED: 11/17/08	
DATE						DRILLER: M. Meade	
TIME						GEOLOGIST: J. Harshman	
LEVEL						REVIEWED BY: K. Connare	
TYPE						* POCKET PENETROMETER READING	
TYPE							
DIA.						2-inch	
WT.							
FALL							
DEPTH FEET						USCS	
STRATA						MGP COLOR CODE	
SAMPLE NO.						PID	
BLOW COUNT						MOISTURE HCN	
REC%							
RQD%							
COLOR							
SOIL CONSISTENCY							
ROCK HARDNESS							
MATERIAL DESCRIPTION							

DEPTH FEET	STRATA	SAMPLE NO.	BLOW COUNT	REC%	RQD%	COLOR	SOIL CONSISTENCY	ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE HCN
0		1	-	100%		Black	Loose		FILL. Ash-like material, coal fragments, cinder.	FILL		0.0	Dry 0.0
						Light Brown			Fine-coarse SAND and GRAVEL. No MGP impact.	SW-GW		0.0	0.0
-5		2	-	83%								0.7	0.0
									Fine-coarse SAND, trace-little fine-coarse gravel. No MGP impact.	SW		1.3	0.0
-10		3	-	68%								0.0	0.0
												0.0	0.0
-15		4	-	65%								0.0	0.0
						Dark Brown						0.0	0.0
						Light Brown						0.0	0.0
-20		5	-	65%								0.0	0.0
												0.0	0.0
-25		6	-	65%								0.0	0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
-30		7	-	92%	Light Brown-Orange						Wet	
						Light Brown	Fine-medium SAND. No MGP impact.	SP			0.0	0.0
-35		8	-	93%			-becoming fine sand from 34'-43'.				0.0	0.0
-40		9	-	92%							0.0	0.0
-45							Fine-coarse SAND and GRAVEL. No MGP impact.	SW-GW				
-45			10	-	93%		Medium Dense	Fine-coarse SAND, little poorly graded fine-coarse gravel. No MGP impact.	SW			0.0
-50		11	-	93%			Fine-coarse SAND and GRAVEL.	SW-GW			0.0	0.0
-55		12	-	97%			Fine-coarse SAND. No MGP impact.	SP			0.0	0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-258

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 3 OF 3

CLIENT: National Grid


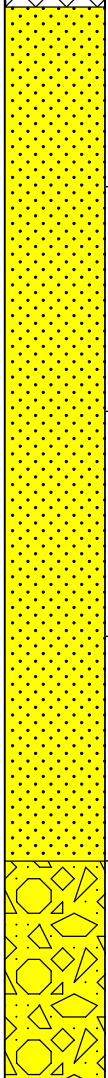
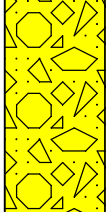

JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-60							End of boring at 60' bgs.				
-65											
-70											
-75											
-80											
-85											
-90											

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-258

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : DGP-259				
CLIENT: National Grid							SHEET: 1 OF 3				
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011				
GROUNDWATER: ~26' bgs							BORING LOCATION: On site, north of DGP-254.				
CAS. SAMPLER CORE TUBE							GROUND ELEVATION: N/A				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		DATE STARTED: 11/18/08			
				DIA.		2-inch		DATE FINISHED: 11/18/08			
				WT.				DRILLER: M. Meade			
				FALL				GEOLOGIST: J. Harshman			
* POCKET PENETROMETER READING							REVIEWED BY: K. Connare				
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		ROCK HARDNESS					HCN

0		1	-	100%	Black	Dense	FILL. Ash-like material, coal fragments, cinder, fine-coarse gravel. Fine-coarse SAND, some-little fine-coarse gravel. No MGP impact.	FILL		0.0	Dry 0.0
					Light Brown	Loose-Medium Dense		SW			
-5		2	-	80%	Light Brown-Orange					0.0	0.0
-10		3	-	80%		Loose				0.0	0.0
-15		4	-	72%						0.0	0.0
-20		5	-	67%			Fine-coarse SAND and GRAVEL. No MGP impact.	SW-GW		0.0	0.0
-25		6	-	65%			Fine-coarse SAND, some-little fine-	SW		0.0	Dry- Moist 0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
							coarse gravel. No MGP impact.				
							Fine-medium GRAVEL, little fine-coarse sand.	GW			Wet
							Fine-coarse SAND, some-little fine-coarse gravel. No MGP impact.	SW			
-30		7	-	67%	Light Brown-Gray					0.0	0.0
										0.7	
										1.0	
-35		8	-	93%		Loose-Medium Dense	Fine-medium SAND, trace silt. No MGP impact.	SM		0.0	0.0
										0.8	
-40		9	-	97%			Fine SAND, some-little fine-coarse gravel. No MGP impact.	SP		0.0	0.0
-45		10	-	97%	Light Brown	Medium Dense	Fine-coarse SAND. No MGP impact.	SW		0.0	0.0
					Light Brown-Orange	Dense	Fine-coarse SAND, trace-little fine gravel. No MGP impact.				
-50		11	-	78%	Light Brown	Medium Dense				0.0	0.0
-55		12	-	65%						0.0	0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-259

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 3 OF 3

CLIENT: National Grid

JOB NO. : 11175065.00011

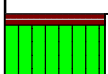
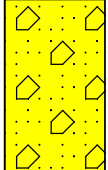
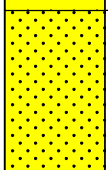
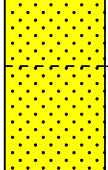
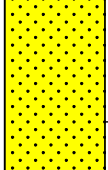
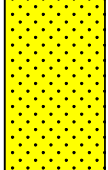
DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-60							End of boring at 60' bgs.				
-65											
-70											
-75											
-80											
-85											
-90											

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-259

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-260	
CLIENT: National Grid						SHEET: 1 OF 2	
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011	
GROUNDWATER: ~25' bgs						BORING LOCATION: LIRR ROW- east of site	
CAS.						GROUND ELEVATION: N/A	
SAMPLER						Macrocore	
CORE						DATE STARTED: 12/3/08	
TUBE						DATE FINISHED: 12/3/08	
DATE						DRILLER: M. Meade	
TIME						GEOLOGIST: M. Dascoli	
LEVEL						REVIEWED BY: K. Connare	
TYPE							
TYPE							
DIA.						2-inch	
WT.							
FALL							
* POCKET PENETROMETER READING							

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	N/A	ASPHALT.	ML/CL		0.0	Moist 0.0
-5		2	-	65%	Orange-Brown		CLAYEY SILT, little fine-medium sand, moderate plasticity. No MGP impact.			0.0	0.0
-10		3	-	52%			Fine-coarse GRAVEL, some fine-coarse sand, trace silt. No MGP impact.	GW		0.0	Dry
-15		4	-	65%	Light Brown		Fine-coarse SAND, little fine-medium gravel, trace silt. No MGP impact.	SW		0.0	0.0
-20		5	-	73%	Orange-Brown		Fine-coarse SAND, some-little fine-medium gravel. No MGP impact.			0.0	0.0
-25		6	-	73%						0.0	Moist Wet 0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-260

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 2 OF 2

CLIENT: National Grid



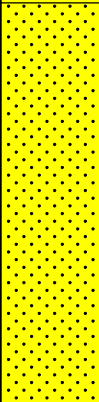

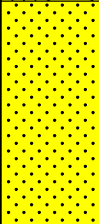

JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
-30	[Yellow pattern with diamonds]	7	-	73%	Light Brown		Fine-coarse SANDY GRAVEL. No MGP impact.	GW			0.0	0.0
-35		8	-	90%			Fine-coarse SAND, little-trace fine gravel. No MGP impact.	SW			0.0	0.0
-40							End of boring at 40' bgs.					
-45												
-50												
-55												

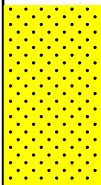



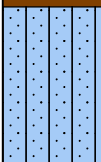

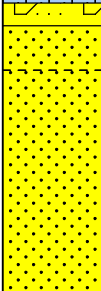



COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-260

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-261					
CLIENT: National Grid						SHEET: 1 OF 2					
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011					
GROUNDWATER: ~25' bgs						BORING LOCATION: LIRR Row, east of MOB Parking Lo					
CAS.						GROUND ELEVATION: N/A					
SAMPLER						Macrocore					
CORE											
TUBE											
DATE	TIME	LEVEL	TYPE	TYPE		DATE STARTED: 11/11/08					
				DIA.		DATE FINISHED: 11/11/08					
				WT.		DRILLER: M. Meade					
				FALL		GEOLOGIST: M. Dascoli					
* POCKET PENETROMETER READING						REVIEWED BY: K. Connare					
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	N/A	FILL. Fine-coarse SAND, some silt, trace fine-medium gravel. No MGP impact.	FILL		0.0	Dry 0-1	
												Light Brown
	-5		2	-	68%	Light Brown	N/A	SILT, little fine-medium sand. No MGP impact.	SW		0.0	0-1
	-10		3	-	73%	Light Brown	N/A	Fine-coarse SAND, some-few fine-coarse gravel. No MGP impact.	SW		0.0	1-2 0-1
-15		4	-	60%	Light Brown-Orange	N/A	Fine-medium GRAVELLY SAND. No MGP impact.	SW-GW		0.0	1.0 3.0 1.0 2.0 1.0	
												Brown
-20		5	-	67%	Brown	N/A	Fine-medium SAND, some fine-medium gravel. No MGP impact.	SW		0.0	1.0 2.0	
-25		6	-	43%						0.9	Wet 1.0	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
-30		7	-	53%	Light Gray-Brown		-slight naphthalene-like odor from 27'-30'.	SW-SM		0.4	2.0	
											15.4	3.0
-35		8	-	50%	Light Brown	Dense	-3" seams of brown NAPL staining, slight-moderate coating and NAPL saturation from 33'-35'.	SM		717	10.9	1.0
											10.2	2.0
											18	
											94	
											844	5.0
											42.6	1.0
-40		9	-	43%	Gray		Fine SAND, few silt. Faint naphthalene-like odor.	GW SW		46.7		
											30.4	
											31.5	
											36.7	1-2
											31.2	
											40.2	
-45							Fine-coarse SANDY GRAVEL. No MGP impact noted.			31.5		
											36.7	1-2
											31.2	
											40.2	
-50							Fine-medium GRAVELLY SAND. Faint naphthalene-like odor.			41.3		
											41.3	
											40.2	
											41.3	
-55							Fine-medium SAND, trace fine gravel. Moderate naphthalene-like odor.			14.5	2.0	
											31.2	
											40.2	
											41.3	
							End of boring at 45' bgs.					

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-262

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: LIRR Row, East of MOB

GROUNDWATER: ~37' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 11/12/08

DIA. 2-inch

DATE FINISHED: 11/12/08

WT.

DRILLER: K. Kegel


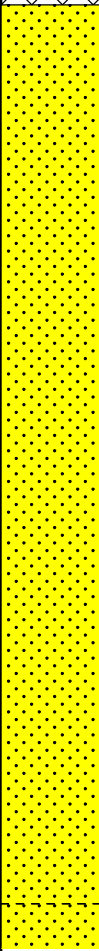

FALL

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	N/A	FILL. Fine-coarse sand, few fine-medium gravel. No MGP impact.	FILL		0.0	Dry 0.0
					Brown		-trace fine cobbles.				
-5		2	-	80%	Light Brown		Fine-coarse SAND, some-trace fine-coarse gravel. No MGP impact.	SW		0.0	0.0
-10		3	-	83%	Orange-Brown					0.0	0.0
-15		4	-	83%						0.0	0.0
-20		5	-	53%			-trace cobbles from 20'-25'.			0.0	0.0
-25		6	-	42%			Fine-medium SAND, some fine-			13.5	Moist 0-1

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
							coarse gravel. Faint naphthalene-like odor, light NAPL coating on gravel.				
-30		7	-	N/A	Light Brown		Fine SAND, some silt. Moderate naphthalene-like odor.	SM		12.1	2.0
							-3" band of NAPL saturation, smaller seams of moderate NAPL coating, strong naphthalene-like odor from 32.5'-33.5'.			67.3	1.0
					Light Gray-Brown		Fine SAND, some silt. Moderate naphthalene-like odor.			1287	2.0
-35		8	-	N/A			Fine-coarse GRAVEL, some medium-coarse sand. Moderate naphthalene-like odor.			97.1	3.0
					Light Brown	Loose-Medium Dense	Fine-coarse SAND, trace-little fine-medium gravel. Moderate naphthalene-like odor.	GW SW		91.7	1.0
-40		9	-	N/A						28	2.0
										19	2.0
										15	Wet 1.0
-45										10.1	
										26.7	
										34.7	
										7.4	2.0
										2.3	1.0
										12.1	3.0
-45							End of boring at 45' bgs.				
-50											
-55											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-263

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: LIRR Row, East of MOB

GROUNDWATER: ~25' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 11/12/08

DIA. 2-inch

DATE FINISHED: 11/13/08

WT.

DRILLER: M. Meade

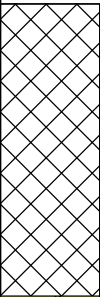
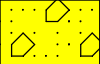
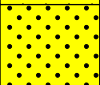
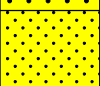
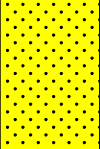
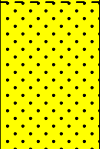
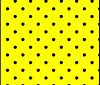
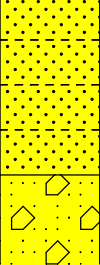

FALL

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	N/A	FILL. Clay, some silt and fine sand, trace fine-medium gravel and organic matter. No MGP impact.	FILL		0.0	Dry 0.0
-5		2	-	65%	Light Brown		Fine-coarse SANDY GRAVEL. No MGP impact.	GW		0.0	0.0
-10		3	-	73%	Brown		Fine SAND. No MGP impact.	SP		0.0	0.0
					Light Brown		Fine-coarse SAND, some-few fine-medium gravel.	SW			
-15		4	-	63%	Brown		Fine-coarse GRAVELLY SAND. No MGP impact.			0.0	0.0
-20		5	-	62%	Orange-Brown		Fine-medium SAND, trace-few fine gravel.			0.0	0-1
					Light Brown		Fine-coarse GRAVELLY SAND. No MGP impact.				
-25		6	-	33%	Dark Brown		Fine-medium SAND, trace-few fine gravel.	GW		0.0	Wet 0.0
					Fine-coarse SANDY GRAVEL. No						

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
							MGP impact.				
							Fine-coarse SAND, trace fine gravel. Faint naphthalene-like odor.	SW			
-30		7	-	50%			Fine SAND, some silt, trace fine gravel. Strong naphthalene-like odor, dark brown staining, and thin lenses of NAPL coating. -no staining from 32'-33'.	SM		240	1.0
							-moderate NAPL coating from 33'-33.5'			53	2.0
							-MGP sheen from 33.5'-35'.			175	1.0
-35		8	-	53%	Gray-Brown		Fine SAND, some silt. Moderate naphthalene-like odor.			375	4.0
										53	2.0
										15.9	
										6.7	
										10.7	
-40					Brown		Fine-medium SAND, few fine gravel. Moderate naphthalene-like odor.	SW		15.1	3.0
										18.1	5.0
-45		9	-	3%	Light Brown		Fine-medium SAND, trace silt. No MGP impact noted.	SP		10.5	0.0
-45							End of boring at 45' bgs.				
-50											
-55											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

BORING NO. : DGP-264

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: SE corner off gas regulator station

GROUNDWATER: ~28' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 12/30/08

DIA. 2-inch

DATE FINISHED: 12/30/08

WT.

DRILLER: K. Kegel

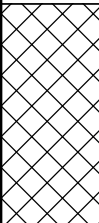
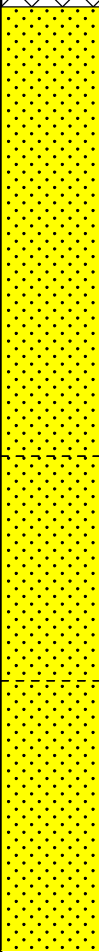
FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Brown-Dark Brown	Loose	FILL. Fine-medium silty sand, trace gravel, trace red brick. No MGP impacts.	FILL		0.0	Dry 0.0
-5		2	-	97%	Light Brown-Orange		Fine-coarse SAND, trace-little fine-medium gravel. No MGP impacts.	SW		0.0	0.0
-10		3	-	73%	Light Brown-Yellow					0.0	0.0
-15		4	-	73%			Fine-coarse SAND, little fine-medium gravel. No MGP impact.			0.0	0.0
-20		5	-	65%	Light Brown-Orange		Fine-coarse SAND, little fine-coarse gravel. No MGP impact.			0.0	0.0
-25		6	-	60%						0.0	0.0

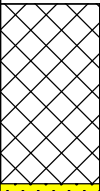
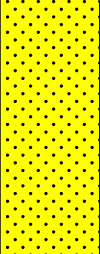
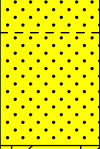
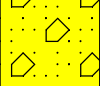

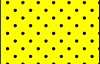
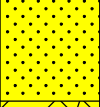
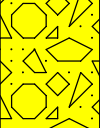
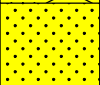


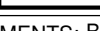
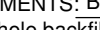
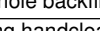
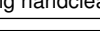
COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
-30	[Yellow dotted pattern]	7	-	83%	Black		Fine-medium SAND. Moderate naphthalene-like odor, black and brown staining, sheen, and moderate NAPL coating. Intervals of heavy coating and NAPL saturation from 30'-34'. Fine SAND. Faint naphthalene-like odor. Fine SAND. No MGP impact noted.	SP	[Green block]	10	0.0	
					Tan						55	3.0
												50
-35	[Yellow dotted pattern]	8	-	75%	Light Brown						6.0	0.0
											2.0	0.0
-40	[Yellow dotted pattern]	9	-	97%		Medium Dense		SW		0.0	0.0	
-45												
							End of boring at 45' bgs.					
-50												
-55												

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-265	
CLIENT: National Grid						SHEET: 1 OF 2	
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011	
GROUNDWATER: ~25' bgs						BORING LOCATION: On-site	
CAS.						GROUND ELEVATION: N/A	
SAMPLER: Macrocore						DATE STARTED: 1/5/09	
CORE: DIA. 2-inch						DATE FINISHED: 1/5/09	
TUBE: WT.						DRILLER: M. Meade	
FALL						GEOLOGIST: M. Dascoli	
* POCKET PENETROMETER READING						REVIEWED BY: K. Connare	

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	N/A	FILL. 3/4 stone on top layer. Fine-coarse sand and gravel, trace silt. No MGP impact.	FILL		0.0	Dry 0.0
-5		2	-	75%	Orange-Brown		Fine-coarse SAND, some-few fine-coarse gravel. No MGP impact.	SW		0.0	0.0
-10		3	-	70%	Brown-Dark Brown		Fine-coarse SAND, few fine gravel.			0.0	0.0
-15					Orange-Brown		-faint naphthalene-like odor from 12.5'-13'.			0.6	
-15		4	-	72%	Brown		Fine-coarse GRAVEL, some medium-coarse sand. No MGP impact noted.	GW		3.2	
-15							Fine-coarse GRAVEL and SAND. Faint naphthalene-like odor.	SW-GW		6.5	0.0
-15							Fine-coarse SAND, some fine gravel. Faint naphthalene-like odor.	SW		9.2	
-20		5	-	68%	Light Brown		Fine-coarse GRAVELLY SAND. No MGP impact.	SW-GW		18.9	
-20							Fine-coarse SAND, little-few fine-coarse gravel.	SW		15.5	
-20							-faint naphthalene-like odor from 25'-30'.			14.7	
-25		6	-	67%						5.5	0.0
-25										6.7	
-25										6.1	
-25										6.3	
-25										1.9	Wet 0-1

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
										2.3	0.0
										3.1	
										3.4	
										4.1	
-30		7	-	93%			Fine SAND. Moderate naphthalene-like odor.	SP		1.2	0.0
					Dark Brown		-dark brown NAPL staining and thin lenses of moderate NAPL coating from 32.5'-33'.			1.6	
										26.7	2.0
										3.1	0.0
										3.3	
-35		8	-	97%	Light Brown		Fine-medium SAND. Faint naphthalene-like odor.	SW		3.4	0.0
							-little fine-medium gravel from 37'-37.5'.				
							-little fine-coarse gravel from 39'-40'.				
-40		9	-	97%	Brown		Fine-coarse GRAVEL, some medium-coarse sand. No MGP impacts.	GW		3.1	0.0
										3.5	
							Fine-coarse SAND, little fine-medium gravel. No MGP impact.	SW		4.1	
-45							End of boring at 45' bgs.				
-50											
-55											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5'.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York								BORING NO. : DGP-266			
CLIENT: National Grid								SHEET: 1 OF 3			
BORING CONTRACTOR: F + N								JOB NO. : 11175065.00011			
GROUNDWATER: ~24' bgs								BORING LOCATION: On site			
CAS. SAMPLER CORE TUBE								GROUND ELEVATION: N/A			
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore			DATE STARTED: 1/5/09		
				DIA.		2-inch			DATE FINISHED: 1/5/09		
				WT.					DRILLER: M. Meade		
				FALL					GEOLOGIST: M. Dascoli		
* POCKET PENETROMETER READING								REVIEWED BY: K. Connare			
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0	[Cross-hatched pattern]	1	-	100%	Dark Brown	N/A	FILL. 3/4 stone cover. Fine-coarse sand, some fine-coarse gravel, trace silt. -faint naphthalene-like odor from 1.5'-3.5'.	FILL	[Yellow box]	0.0	Dry	
					Black					1.1		
					Gray-Light Brown					1.3		
	-5	[Yellow dotted pattern]	2	-	77%	Brown		Medium-coarse SAND, some fine-medium gravel. No MGP impact. -thin lens of dark brown staining and faint naphthalene-like odor at 6'	SW	[Yellow box]	1.5	
						Orange-Brown					17.9	0-1
											40.5	2.0
							25.2				0.0	
-10	[Yellow dotted pattern]	3	-	77%	Orange-Brown		Fine-coarse SAND, little fine-medium gravel. No MGP impact.	SW	[Yellow box]	21.2		
										18.3	0-1	
										2.6		
										3.1	0.0	
										4.2	0-1	
										5.8		
-15	[Yellow dotted pattern]	4	-	67%			-faint naphthalene-like odor from 15'-19.5'.	SW	[Yellow box]	3.7		
										4.8	1-2	
										7.8	0-1	
										12.1		
-20	[Yellow dotted pattern]	5	-	63%	Gray		Coarse SAND and fine-medium GRAVEL. No MGP impact. Fine-coarse GRAVEL, some fine-coarse sand. Faint naphthalene-like odor. Fine SAND, trace fine-coarse gravel. Faint naphthalene-like odor.	SW-GW	[Yellow box]	0.0	0.0	
					Orange-Brown					10.5	0-2	
										9.2	0-1	
										11.5		
										12.1		
-25	[Yellow dotted pattern]				Light Brown		Fine SAND, trace fine-coarse gravel. Faint naphthalene-like odor.	SW	[Yellow box]	14.1	Wet	
					Brown					11.5	0-1	
		6	-	72%								

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore from 5'-70' bgs.
 Boring handcleared from 0'-5' bgs.
 Borehole backfilled with cement-bentonite grout to grade.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30	[Yellow dotted pattern]	7	-	93%	Light Brown						
-35	[Yellow dotted pattern]	8	-	97%							
-40	[Yellow dotted pattern]	9	-	97%	Gray-Tan			GW			
	[Yellow dotted pattern]				Orange-Brown				SW		
-45	[Yellow dotted pattern]	10	-	97%	Light Brown			GW			
	[Yellow dotted pattern]								SW		
-50	[Yellow dotted pattern]	11	-	97%				GW			
	[Yellow dotted pattern]								SW		
-55	[Yellow dotted pattern]	12	-	97%				GW			
	[Yellow dotted pattern]								SW		

Faint naphthalene-like odor.

Fine-coarse GRAVEL, some cobbles, trace coarse sand. No MGP impact noted.

Fine-medium SAND, some fine gravel. Faint naphthalene-like odor.

Fine-coarse GRAVEL, some fine-medium sand. Faint naphthalene-like odor.

Fine-coarse SAND, trace fine-medium gravel. Faint naphthalene-like odor.

Fine-medium SAND, few fine-coarse gravel. No MGP impact.

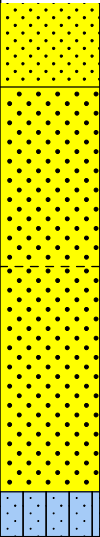


Fine-coarse GRAVEL, few fine-medium sand. No MGP impact noted.

Fine-medium SAND, few fine-coarse gravel. No MGP impact.

Fine-coarse GRAVEL, little fine-medium sand. No MGP impact.

Fine-medium SAND, few fine-coarse gravel.
-faint naphthalene-like odor from 55'-60'.

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore from 5'-70' bgs.
Boring handcleared from 0'-5' bgs.
Borehole backfilled with cement-bentonite grout to grade.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-60		13	-	97%			Fine-medium SAND, trace medium gravel. Faint petroleum odor.	SP		1.1	0-1
-65		14	-	97%							Fine SAND, very thin clay lense at 64'. Faint petroleum odor from 64'-65'. No MGP impact noted from 65'-69'.
-70					Orange-Brown		Fine SAND, some silt, trace intermittent clay lenses. No MGP impact noted.	SM			
-75							End of boring at 70' bgs.				
-80											
-85											
-90											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore from 5'-70' bgs.
 Boring handcleared from 0'-5' bgs.
 Borehole backfilled with cement-bentonite grout to grade.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-267					
CLIENT: National Grid						SHEET: 1 OF 3					
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011					
GROUNDWATER: ~26' bgs						BORING LOCATION: On site					
CAS.						GROUND ELEVATION: N/A					
SAMPLER: Macrocore						DATE STARTED: 1/12/09					
CORE: 2-inch						DATE FINISHED: 1/12/09					
TUBE						DRILLER: B. Rath					
DATE						GEOLOGIST: M. Dascoli					
TIME						REVIEWED BY: K. Connare					
LEVEL											
TYPE											
TYPE											
DIA.											
WT.											
FALL											
* POCKET PENETROMETER READING											
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	N/A	ASPHALT.	FILL		1.1	Dry 0.0
					Brown		FILL. Fine silty sand, some fine-coarse gravel. Moderate naphthalene-like odor.				
-5		2	-	97%	Light Brown		Fine-coarse SAND, some fine-coarse gravel. No MGP impact.	SW		0.0	0.0
										0.9	
										1.0	
							-moderate naphthalene-like odor from 8'-15'.			1.1	
										0.6	
-10		3	-	63%			-dark brown-colored bands from 10'-13'.			0.0	0.0
										1.1	
										0.3	0-1
										7.1	
										3.2	
-15		4	-	62%			Fine-coarse SAND, some fine-medium gravel, trace silt. Strong naphthalene-like odor.			71.3	
										196	2.0
										108	
							-black bands of tar staining at 17' and 18'.			63.3	
										15.1	0-1
-20		5	-	60%	Brown		-strong naphthalene-like odor.			50.3	1.0
										58.1	
										63.2	
										81	
										103	
-25		6	-	68%	Light Brown		Fine-medium GRAVEL, some coarse sand. Moderate naphthalene-like odor.	GW		25.9	1.0

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring handcleared from 0'-5' bgs.
 Borehole backfilled with cement-bentonite grout to grade.

BORING NO. : DGP-267

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 3 OF 3

CLIENT: National Grid

JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN

-60							Fine-coarse SAND, trace medium gravel. No MGP impact.				
							End of boring at 60' bgs.				
-65											
-70											
-75											
-80											
-85											
-90											

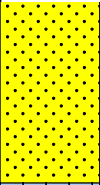
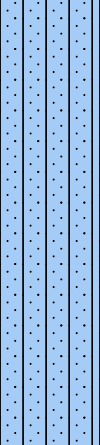
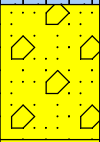
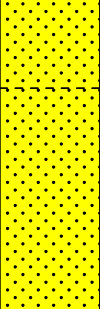
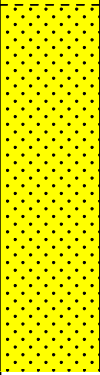

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring handcleared from 0'-5' bgs.
 Borehole backfilled with cement-bentonite grout to grade.

BORING NO. : DGP-267

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-268					
CLIENT: National Grid						SHEET: 1 OF 3					
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011					
GROUNDWATER: ~30' bgs						BORING LOCATION: N/A					
CAS.						GROUND ELEVATION: N/A					
SAMPLER: Macrocore						DATE STARTED: 1/6/09					
CORE: 2-inch						DATE FINISHED: 1/7/09					
TUBE: Macrocore						DRILLER: M. Mede					
DATE						GEOLOGIST: M. Dascoli					
TIME						REVIEWED BY: K. Connare					
LEVEL											
TYPE											
TYPE											
DIA.											
WT.											
FALL											
* POCKET PENETROMETER READING											
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0 -5 -10 -15 -20 -25	[Cross-hatched pattern]	1	-	100%	Gray Dark Brown	N/A	FILL. 3/4 Stone	FILL		0.0	Dry	
							FILL. Fine-coarse sand and gravel, some silt. Faint naphthalene-like odor from 0.5'-3'.			1.5	0-1	
						Light Brown				0.0	0.0	
		[Yellow dotted pattern]	2	-	72%	Orange-Brown		Fine-coarse SAND, some-little fine-coarse gravel. No MGP impact.	SW		0.0	0.0
			3	-	78%					0.0	0.0	
			4	-	72%			-trace silt from 15'-19'.		0.1	0-1	
	5		-	68%	Light Brown				0.0	0.0		
		6	-	73%	Orange-Brown		-trace silt.		0.0	0.0		

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring handcleared from 0'-5'.
 Borehole backfilled with cement-bentonite grout to grade.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
-30		7	-	97%	Brown		Fine SAND, little silt. No MGP impact.	SM			0.0	Wet 0.0
-35		8	-	72%			-little fine-medium gravel.				0.0	0.0
-40		9	-	65%	Orange-Brown		Fine-coarse GRAVEL, few medium-coarse sand. No MGP impact.	GW			0.0	0.0
-45		10	-	97%	Brown		Fine-coarse SAND, little fine-medium gravel. No MGP impact.	SW			0.5	0.0
-50		11	-	97%	Light Brown		Fine-medium SAND, trace fine-medium gravel. No MGP impact.				0.0	0.0
-55		12	-	90%							0.0	0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring handcleared from 0'-5'.
 Borehole backfilled with cement-bentonite grout to grade.

BORING NO. : DGP-268

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 3 OF 3

CLIENT: National Grid

JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN

-60	●●●●●						End of boring at 60' bgs.				
-65											
-70											
-75											
-80											
-85											
-90											

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring handcleared from 0'-5'.
 Borehole backfilled with cement-bentonite grout to grade.

BORING NO. : DGP-268

BORING NO. : DGP-269

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 3

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: N/A

GROUNDWATER: ~25' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 1/9/09

DIA. 2-inch

DATE FINISHED: 1/9/09

WT.

DRILLER: K. Kegel

FALL

GEOLOGIST: M. Dascoli

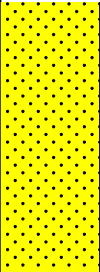
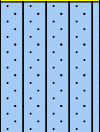
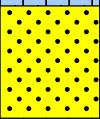
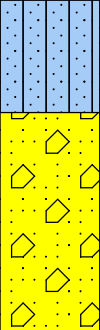
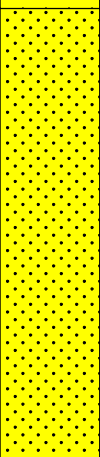
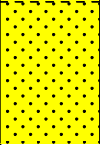
* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	N/A	FILL. Loamy fine sand, trace gravel. No MGP impact.	FILL		0.0	Dry 0.0
-5		2	-	63%	Light Brown		Fine-coarse SAND, some fine-coarse gravel. No MGP impact.	SW		0.0	0.0
-10		3	-	72%			Fine-coarse GRAVEL, some coarse sand. No MGP impact.	GW		0.0	0.0
-15		4	-	68%	Orange-Brown Light Brown		Fine-coarse SAND, trace-some fine-coarse gravel, trace silt. No MGP impact.	SW		0.0	0.0
-20		5	-	70%			Fine-coarse SAND, some fine gravel, trace silt. No MGP impact.			0.0	0.0
-25		6	-	62%			Fine SAND, trace fine gravel. No MGP impact.	SP			
							Fine-medium SAND, little fine-coarse	SW		0.0	Wet 0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring handcleared from 0'-5'.
 Borehole backfilled with cement-bentonite grout to grade.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
-30		7	-	78%	Brown		gravel. No MGP impact.				0.0	0.0
-35		8	-	97%			Fine SAND, trace silt. No MGP impact.	SM			0.0	0.0
-40		9	-	97%	Orange-Brown		Fine SAND, trace silt. No MGP impact.	SM			0.0	0.0
-45		10	-	97%	Light Brown		Fine-coarse GRAVEL, some medium-coarse sand, trace cobbles. Faint naphthalene-like odor.	GW			0.0	0.0
-50		11	-	97%			Fine-medium SAND, little fine-medium gravel. No MPG impact.	SW			0.0	0.0
-55		12	-	N/A			Fine-coarse SAND, trace fine-medium gravel. No MGP impact.				0.0	0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring handcleared from 0'-5'.
 Borehole backfilled with cement-bentonite grout to grade.

BORING NO. : DGP-269

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 3 OF 3

CLIENT: National Grid

JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN

-60							End of boring at 60' bgs.				
-65											
-70											
-75											
-80											
-85											
-90											

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring handcleared from 0'-5'.
 Borehole backfilled with cement-bentonite grout to grade.

BORING NO. : DGP-269

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : DGP-270				
CLIENT: National Grid							SHEET: 1 OF 2				
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011				
GROUNDWATER: ~26' bgs							BORING LOCATION: On site				
CAS.							GROUND ELEVATION: N/A				
SAMPLER: Macrocore							DATE STARTED: 1/9/09				
CORE: DIA. 2-inch							DATE FINISHED: 1/9/09				
TUBE: WT.							DRILLER: K. Kegel				
FALL							GEOLOGIST: S. Ramrup				
* POCKET PENETROMETER READING							REVIEWED BY: K. Connare				
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Loose	FILL. Fine-medium sand, some fine-coarse gravel, trace tree roots.	FILL		0.0	Dry 0.0	
					Light Brown	Stiff						
-5			2	-	93%	Dark Brown	Loose	-slight naphthalene-like odor from 5'-6'.	SM		0.0	
						Light Brown		Fine SILTY SAND. No MGP impact.	SP			
						Brown		Fine SAND, some fine-coarse gravel. No MGP impact.	SW			
								Fine-coarse SAND. No MGP impact.				
-10		3	-	70%	Light Brown					0.0	0.0	
-15		4	-	58%			Fine-coarse SAND, some fine-medium gravel. No MGP impact.			0.0	Moist 0.0	
-20		5	-	60%	Brown	Medium Dense				0.0	0.0	
						Loose	Fine-medium SAND, some fine gravel. Faint naphthalene-like odor.					
-25		6	-	60%		Medium Dense				0.0	0.0	

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore from 5'-45' bgs.
 Boring handcleared from 0'-5' bgs.
 Borehole backfilled with cement-bentonite grout to grade.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
					Dark Brown	Loose					Wet
-30		7	-	83%	Gray-Brown		-slight NAPL sheen on water from 30'-31'.			0.0	0.0
					Light Brown		Fine-medium SAND, some fine-medium gravel. Faint naphthalene-like odor.				
-35		8	-	100%			Fine SILTY SAND, some fine gravel. Faint naphthalene-like odor.	SM			
							Fine-medium SAND. No MGP impact.	SW		0.0	0.0
-40		9	-	97%		Medium Dense				0.0	Moist 0.0
						Loose	Fine-coarse GRAVELLY SAND. No MGP impact.	SW-GW			
-45							End of boring at 45' bgs.				
-50											
-55											

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore from 5'-45' bgs.
 Boring handcleared from 0'-5' bgs.
 Borehole backfilled with cement-bentonite grout to grade.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-271	
CLIENT: National Grid						SHEET: 1 OF 2	
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011	
GROUNDWATER: ~27' bgs						BORING LOCATION: On site	
CAS.						GROUND ELEVATION: N/A	
SAMPLER: Macrocore						DATE STARTED: 1/12/09	
CORE: 2-inch						DATE FINISHED: 1/12/09	
TUBE: FALL						DRILLER: K. Kegel	
* POCKET PENETROMETER READING						GEOLOGIST: J. Harshman	
						REVIEWED BY: K. Connare	

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

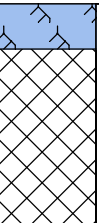
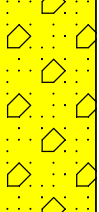
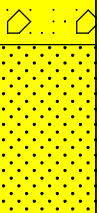
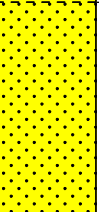
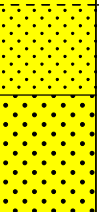

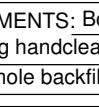
0 -5 -10 -15 -20 -25	[Cross-hatched pattern]	1	-	100%	Black	Loose	FILL. Fine-medium sand and gravel. Black stained, tarry, slight naphthalene-like odor.	FILL	[Teal color]	0.2 0.1 0.0	Moist 0.0
					Brown		FILL. Fine-medium sand and gravel. No MGP impact.				
		[Yellow dotted pattern]	2	-	83%		Fine-coarse SAND, some fine-medium gravel. Faint naphthalene-like odor. -black staining and light NAPL coating from 6'-7'. -no MGP impacts from 7'-10'.	SW	[Yellow color]	0.0	0.0
			3	-	68%	Dark Brown	Fine-coarse SAND, trace fine-medium gravel. No MGP impact.		[Teal color]	0.8 0.3 0.0	Dry
			4	-	57%	Brown-Orange				0.0	0.0
			5	-	60%	Dark Brown-Light Brown				0.0	0.0
	6		-	58%	Light Brown-Orange				0.0	0.0	
						Fine-coarse SAND, with intervals of	SP		0.0	Moist 0.0	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore from 5'-45' bgs.
 Boring handcleared from 0'-5' bgs.
 Borehole backfilled with cement-bentonite grout to grade.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
							fine sand. No MGP impact.					
					Orange		Coarse SAND and fine GRAVEL. No MGP impact.	SP-GP				Wet
					Light Brown		Fine-coarse SAND, some-little fine-medium gravel. No MGP impact.	SW			0.0	0.0
-30		7	-	97%								
					Black		Fine-coarse SAND and fine GRAVEL. Black staining, heavy NAPL coating and few saturated lenses, sheens, blebs, and moderate naphthalene-like odor.	SW-GW			30	38
					Light Brown	Loose-Medium Dense	Fine-medium SAND, trace-no silt. No MGP impact.	SM			0.0	0.0
-35		8	-	80%								
-40		9	-	87%							0.0	0.0
							Fine-coarse SAND and fine-medium GRAVEL. No MGP impact.	SW-GW				
-45							End of boring at 45' bgs.					
-50												
-55												

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore from 5'-45' bgs.
 Boring handcleared from 0'-5' bgs.
 Borehole backfilled with cement-bentonite grout to grade.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : DGP-272				
CLIENT: National Grid							SHEET: 1 OF 2				
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011				
GROUNDWATER: ~20' bgs							BORING LOCATION: Step out from DGP-234				
CAS. SAMPLER CORE TUBE							GROUND ELEVATION: N/A				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		DATE STARTED: 1/14/09			
				DIA.		2-inch		DATE FINISHED: 1/14/09			
				WT.				DRILLER: K. Kegel			
				FALL				GEOLOGIST: M. Dascoli			
* POCKET PENETROMETER READING							REVIEWED BY: K. Connare				
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	N/A	TOPSOIL. (Description from DGP-234)	TOPSOIL		0.0	Dry 0.0
							LOAMY fine SAND, some fine-medium gravel, trace tree roots. No MGP impact. (Description from DGP-234)	FILL			
-5		2	-	97%			Fine-coarse GRAVEL, some fine-coarse sand, trace silt. No MGP impact.	GW		0.0	0.0
-10		3	-	70%			Fine-coarse SAND, some fine gravel, trace silt. No MGP impact.	SW		0.0	0.0
					Brown						
-15		4	-	68%	Dark Brown		Fine-medium SAND, little fine-medium gravel. No MGP impact.			0.0	0.0
					Brown						
-20		5	-	70%			Fine-medium SAND, little fine-medium gravel. Faint naphthalene-like odor and staining.			0.0	Wet 0.0
-25		6	-	97%	Dark Brown		Fine-medium SAND. Faint naphthalene-like odor. -trace fine gravel. -moderate naphthalene-like odor, moderate NAPL coating and dark brown staining from 24'-25'.	SP			
					Light Brown-			SM		3.3	0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring handcleared from 0'-5'.
 Borehole backfilled with cement-bentonite grout to grade.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
					Gray						
-30		7	-	17%	Gray		Fine SAND, trace silt. Moderate naphthalene-like odor, sheen, blebs.				
							Fine SAND. Faint naphthalene-like odor.	SP		0.0	0.0
-35		8	-	85%	Orange-Brown		Fine-coarse SAND, few-some fine-coarse gravel. Faint naphthalene-like odor.	SW		0.0	0.0
-40							End of boring at 40' bgs.				
-45											
-50											
-55											

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring handcleared from 0'-5'.
 Borehole backfilled with cement-bentonite grout to grade.

BORING NO. : DGP-273

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: Inside Reg. Station

GROUNDWATER: ~25' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 1/8/09

DIA. 2-inch

DATE FINISHED: 1/13/09

WT.

DRILLER: K. Kegel

FALL

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	N/A	FILL. 3/4 stone with liner underneath at surface. Fine-medium sand, some silt, clay, and fine-medium gravel, trace cobbles. No MGP impact.	FILL		0.0	Dry 0.0
-5		2	-	100%			-black layer with moderate naphthalene-like odor from 4.5'-5'.			0.5	
						Orange-Brown				0.9	0-1
										2.3	
										0.9	0.0
										1.8	0-1
-10		3	-	67%			Fine-coarse SAND, some fine-medium gravel, trace silt, trace cobble. No MGP impact.	SW		2.6	
										1.2	0.0
										2.1	
										0.0	0.0
										0.4	
-15		4	-	60%						0.9	
										1.0	
										1.1	
-20		5	-	62%	Light Gray		Fine-medium SAND. No MGP impact.	SP		0.0	0.0
					Orange-Brown		Fine-coarse SAND, trace fine-medium gravel. No MGP impact.	SW		0.0	0.0
-25		6	-	60%	Brown					0.0	Wet 0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring handcleared from 0'-10' with air knife, guzzler, and hand auger.
 Borehole backfilled with cement-bentonite grout to grade.

BORING NO. : DGP-273

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30	Dotted	7	-	78%	Orange-Brown					0.0	0.0
-35		8	-	0%						0.0	0.0
-40							End of boring at 40' bgs.				
-45											
-50											
-55											

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring handcleared from 0'-10' with air knife, guzzler, and hand auger.
 Borehole backfilled with cement-bentonite grout to grade.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : DGP-274				
CLIENT: National Grid							SHEET: 1 OF 2				
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011				
GROUNDWATER: ~23' bgs							BORING LOCATION: Inside Reg. Station				
CAS. SAMPLER CORE TUBE							GROUND ELEVATION: N/A				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		DATE STARTED: 1/8/09			
				DIA.		2-inch		DATE FINISHED: 1/13/09			
				WT.				DRILLER: K. Kegel			
				FALL				GEOLOGIST: M. Dascoli			
* POCKET PENETROMETER READING							REVIEWED BY: K. Connare				
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0 -5 -10 -15 -20 -25	[Cross-hatched pattern]	1	-	100%	Black	N/A	FILL. 3/4 stone over geotextile fabric at surface. Fine-coarse sand, some silt and clay, some black coal fragments, some sheet metal and metal parts, few roots, trace organic soil. No MGP impact. -faint decaying odor from 3'-5'.	FILL		3.2 3.1	Dry 0-1		
		2	-	100%	Dark Brown Brown							1.0 1.0	0-1
	[Yellow dotted pattern]	[Yellow dotted pattern]	3	-	58%	Light Brown Brown	Fine-coarse SAND, trace fine-medium gravel. No MGP impact. -trace silt	SW		1.5 2.5	0.0 0.0	0-2	
			4	-	58%								
		[Yellow dotted pattern]	5	-	55%	Orange-Brown Dark Brown	Fine-medium GRAVEL, few fine-medium sand, trace silt. No MGP impact.	GW		0.0	0.0	0.0	Wet
			6	-	70%	Light Brown							

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring handcleared from 0'-10'.
 Borehole backfilled with cement-bentonite grout to grade.

BORING NO. : DGP-274

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 2 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
					Brown		Medium-coarse SAND. Heavy dark brown staining, no odor.			0.4	
					Gray			GP		0.9	1.0
					Brown		Fine GRAVEL, some coarse sand. Light staining, no odor.	SW		1.1	
					Orange-Brown			SM		0.1	0.0
-30		7	-	97%			Fine-medium SAND, trace fine gravel, some silt. Faint naphthalene-like odor, heavy staining.	SW		0.0	0.0
							Fine SAND, little silt. No MGP impact.				
							Fine-coarse SAND, little-trace fine-coarse gravel, trace silt. No MGP impact.				
-35		8	-	97%			Fine-coarse SAND. No MGP impact.			0.0	0.0
							-trace fine-medium gravel from 38'-39'.				
-40							End of boring at 40' bgs.				
-45											
-50											
-55											

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring handcleared from 0'-10'.
 Borehole backfilled with cement-bentonite grout to grade.

BORING NO. : DGP-274

BORING NO. : DGP-275

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: Intersection of Wydler & Wendell

GROUNDWATER: ~20' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 1/8/09

DIA. 2-inch

DATE FINISHED: 1/16/09

WT.

DRILLER: K. Kegel

FALL

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

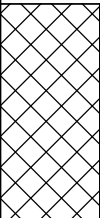
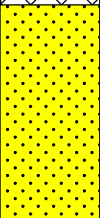

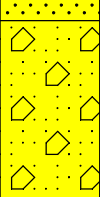
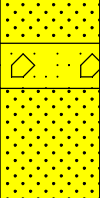
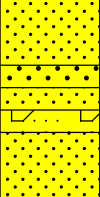
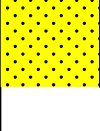
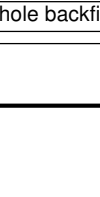
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 10px;">0</div> <div style="margin-bottom: 10px;">-5</div> <div style="margin-bottom: 10px;">-10</div> <div style="margin-bottom: 10px;">-15</div> <div style="margin-bottom: 10px;">-20</div> <div style="margin-bottom: 10px;">-25</div> </div>		1	-	100%	Brown	N/A	<p>FILL. Fine-coarse sand, some fine-coarse gravel, trace silt. No MGP impacts.</p> <p>-trace plant roots at 4'. -trace plastic at 5'. -trace glass at 6'.</p> <p>Fine-coarse SAND, some fine-coarse gravel, trace silt. No MGP impact.</p>	FILL		0.5	Dry 0-1	
	2	-	100%	Brown	N/A	SW		6.8		0.0		
	3	-	60%	Orange-Brown	Loose			0.9		0.8	0.6	0.0
	4	-	60%	Orange-Brown	Loose-Medium Dense			0.0		0.0	0.0	0.0
	5	-	60%	Light Brown	N/A			0.0		0.0	0.0	Wet 0.0
	6	-	77%	Brown	N/A			0.0		0.0	0.0	0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Boring handcleared from 0'-10'.
Borehole backfilled with cement-bentonite grout to grade.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30		7	-	97%			Fine SAND, trace silt. Faint naphthalene-like odor from 26'-30'.	SM			
							-no MGP impact from 30'-35'.			0.0	0.0
-35		8	-	85%	Dark Gray		Fine-coarse SAND. No MGP impact noted.	SW		7.3	2.0
					Orange-Brown		Fine-coarse GRAVEL, trace-little coarse sand, trace silt. Strong naphthalene-like odor from 37.25'-40'.	GW			
-40		9	-	58%	Brown		Fine-medium SAND, some fine gravel. Strong naphthalene-like odor.	SW		13.7	N/A
							Fine-coarse GRAVEL, some medium-coarse sand. Strong naphthalene-like odor.	GW			
-45							Fine-medium SAND, trace fine gravel. Strong naphthalene-like odor.	SW			
							End of boring at 45' bgs.				
							-Sample submitted for BTEX and PAH analysis from 35.5'-37' bgs.				
-50											
-55											

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring handcleared from 0'-10'.
 Borehole backfilled with cement-bentonite grout to grade.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : DGP-276				
CLIENT: National Grid							SHEET: 1 OF 2				
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011				
GROUNDWATER: ~24' bgs							BORING LOCATION: West side of MOB				
CAS.							GROUND ELEVATION: N/A				
SAMPLER: Macrocore							DATE STARTED: 1/18/09				
CORE							DATE FINISHED: 1/18/09				
TUBE							DRILLER: M. Meade				
DATE							GEOLOGIST: M. Dascoli				
TIME							REVIEWED BY: K. Connare				
LEVEL											
TYPE											
TYPE											
DIA.											
WT.											
FALL											
* POCKET PENETROMETER READING											
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Brown	N/A	FILL. Fine-coarse sand, some fine-medium gravel, trace cobbles and silt. No MGP impact.	FILL		0.0	Dry 0.0
-5		2	-	37%	Brown		Fine-coarse SAND, trace silt and fine gravel. No MGP impact.	SW		0.0	0.0
-10		3	-	50%	Dark Brown		SILTY CLAY, little fine-medium gravel. No MGP impact.	CL		0.0	0.0
					Brown		Fine-medium SAND, some fine-coarse gravel, trace silt. No MGP impact.	SW GW			
-15		4	-	72%	Dark Brown		Fine-medium GRAVEL, some fine-coarse sand, trace silt. No MGP impact.	SW GW		0.0	0.0
					Brown		Fine-coarse SAND, trace silt and fine-medium gravel. No MGP impact.	SW			
-20		5	-	58%	Dark Brown		Fine GRAVEL, few fine-coarse sand, trace silt. No MGP impact.	SW		0.0	0.0
					Brown		Fine-coarse SAND, some fine-medium gravel, trace silt. No MGP impact.	SP SW GW SW			
-25		6	-	67%	Red-Brown		Fine SAND, trace silt. No MGP impact.			0.0	Wet 0.0
					Light Brown		Fine-medium SAND, trace fine gravel. No MGP impact.				
					Brown		Fine GRAVEL, trace medium-coarse sand and silt. No MGP impact.				
							Fine-coarse SAND, some fine gravel, trace-no silt. No MGP impact.				

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore from 5'-40' bgs.
 Boring handcleared from 0'-5' bgs.
 Borehole backfilled with cement-bentonite grout to grade.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
					Light Brown						
-30		7	-	97%			Fine SAND, trace silt. No MGP impact.	SM			0.0 0.0
-35		8	-	97%							0.0 0.0
-40							End of boring at 40' bgs.				
-45											
-50											
-55											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore from 5'-40' bgs.
 Boring handcleared from 0'-5' bgs.
 Borehole backfilled with cement-bentonite grout to grade.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-277	
CLIENT: National Grid						SHEET: 1 OF 2	
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011	
GROUNDWATER: ~24' bgs						BORING LOCATION: West side of MOB	
CAS.						GROUND ELEVATION: N/A	
SAMPLER: Macrocore						DATE STARTED: 1/17/09	
CORE						DATE FINISHED: 1/17/09	
TUBE						DRILLER: M. Meade	
DATE						GEOLOGIST: M. Dascoli	
TIME						REVIEWED BY: K. Connare	
LEVEL							
TYPE							
TYPE							
DIA.							
WT.							
FALL							
* POCKET PENETROMETER READING							

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

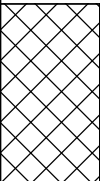
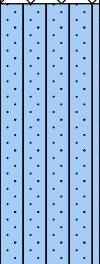
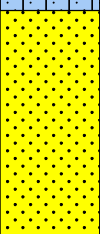
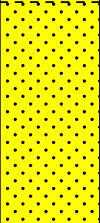
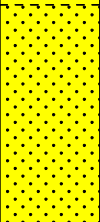


0		1	-	100%	Brown	N/A	FILL. Fine-coarse sand, some fine-coarse gravel, trace silt. No MGP impact.	FILL		0.0	Dry 0.0
		2	-	40%			Medium-coarse SAND, some silt and fine-coarse gravel. No MGP impact.	SW		1.5	0-1
					Light Brown		Fine-coarse SANDY GRAVEL. No MGP impact.	GW			
					Dark Brown		SILT, some fine sand, trace fine gravel. No MGP impact.	ML			
					Brown		Fine-medium GRAVEL, some fine-coarse sand, trace silt. No MGP impact.	GW		0.0	0.0
		3	-	60%			Fine-coarse SAND and fine GRAVEL. No MGP impact.	SP-GP			
					Light Brown		Fine-coarse GRAVEL, some medium-coarse sand, trace silt. No MGP impact.	GW			
					Dark Brown		Fine-coarse SAND, trace silt and fine gravel. No MGP impact.	SW		1.5	0.0
		4	-	65%			Fine-coarse SAND and fine GRAVEL. No MGP impact.	SW-GW			
					Orange-Brown		Fine-coarse SAND, trace fine gravel and silt. No MGP impact.	SM		3.0	0.0
		5	-	67%	Dark Brown		Fine SAND, some silt. No MGP impact.	SW			
					Light Brown		Fine-coarse SAND, trace fine-coarse gravel. No MGP impact.				
							Fine-medium GRAVEL, some coarse sand. No MGP impact.	GW		0.0	0.0
		6	-	73%	Orange-Tan						Wet

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore from 5'-45' bgs.
 Boring handcleared from 0'-5' bgs.
 Borehole backfilled with cement-bentonite grout to grade.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
							Fine-coarse SAND. No MGP impact.	SW			
					Brown		Fine SAND, trace silt. No MGP impact.	SM			
					Light Brown						
-30		7	-	97%	Dark Brown		Fine SAND. Strong naphthalene-like odor and heavy gray staining, NAPL blebs and sheen from 30'-31'. -sheen and strong naphthalene-like odor from 31'-35'.	SP		N/A	N/A
-35		8	-	83%	Light Brown		Medium-coarse SAND, some fine gravel. No MGP impact.	SW		0.0	0.0
							Fine-coarse GRAVEL, trace coarse sand. No MGP impact.	GW			
-40		9	-	97%	Gray		Fine-coarse SAND, some medium-coarse gravel. Slight naphthalene-like odor. -strong naphthalene-like odor from 40'-45'.	SW		10.7	0.0
-45							End of boring at 45' bgs.				
-50											
-55											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore from 5'-45' bgs.
 Boring handcleared from 0'-5' bgs.
 Borehole backfilled with cement-bentonite grout to grade.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : DGP-278				
CLIENT: National Grid							SHEET: 1 OF 2				
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011				
GROUNDWATER: ~24' bgs							BORING LOCATION: South side of MOB				
CAS. SAMPLER CORE TUBE							GROUND ELEVATION: N/A				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		DATE STARTED: 1/17/09			
				DIA.		2-inch		DATE FINISHED: 1/17/09			
				WT.				DRILLER: M. Meade			
				FALL				GEOLOGIST: J. Harshman			
* POCKET PENETROMETER READING							REVIEWED BY: K. Connare				
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		ROCK HARDNESS					HCN

0		1	-	100%	Brown	Loose	FILL. Fine-coarse SAND, little fine-coarse gravel. No MGP impact.	FILL		0.0	Dry 0.0
-5		2	-	68%	Black-Gray Light Brown	Medium Dense	Fine SILTY SAND, little fine-medium gravel. No MGP impact.	SM		0.0	0.0
-10		3	-	83%	Brown	Loose-Medium Dense	Fine-coarse SAND, some fine-medium gravel. No MGP impact.	SW		0.0	0.0
-15		4	-	77%	Orange-Brown	Loose	Fine-coarse SAND, little fine-medium gravel. No MGP impact.			0.0	0.0
-20		5	-	77%	Light Brown-Orange	Loose-Medium Dense	Fine-coarse SAND, trace-little fine-medium gravel. No MGP impact.			0.0	0.0
-25		6	-	93%	Light Brown	Medium Dense	Fine-medium SAND. NAPL sheen	SP		0.0	0.0 Wet

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore from 5'-45' bgs.
 Boring handcleared from 0'-5' bgs. PID not working due to cold weather.
 Borehole backfilled with cement-bentonite grout to grade.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
							noted.					
					Black		Fine SILTY SAND. Heavy NAPL coating and black staining, NAPL saturated lenses, strong naphthalene-like odor from 28'-29'. -naphthalene-like odor, staining and moderate NAPL coating from 29'-30'.	SM		30	1.0	
					Gray-Tan						80	2.0
-30		7	-	80%	Light Brown						0.0	0.0
							Fine SILTY SAND. Faint naphthalene-like odor from 30'-32'.					
							-trace silty clay at 32'. No MGP impacts noted.					
-35		8	-	97%	Gray-Black	Loose-Medium Dense	Fine-coarse SAND and GRAVEL. Naphthalene-like odor, slight black staining.	SW-GW		N/A	0.0	
					Light Brown	Loose	Fine-medium SAND, little fine-medium gravel. Slight naphthalene-like odor.	SW		20	N/A	
-40		9	-	93%	Dark Gray	Loose-Medium Dense	Fine-coarse SAND. Faint naphthalene-like odor.	SP			N/A	
					Gray		Fine-coarse SAND and GRAVEL. Slight naphthalene-like odor.	SW-GW		N/A		
					Gray-Tan		Fine-coarse SAND, trace fine-coarse gravel. Slight naphthalene-like odor.	SW				
-45							End of boring at 45' bgs.					
-50												
-55												

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore from 5'-45' bgs.
 Boring handcleared from 0'-5' bgs. PID not working due to cold weather.
 Borehole backfilled with cement-bentonite grout to grade.

BORING NO. : DGP-279

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: LIRR ROW, SE of MOB

GROUNDWATER: ~28' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 1/16/09

DIA. 2-inch

DATE FINISHED: 1/16/09

WT.

DRILLER: M. Meade

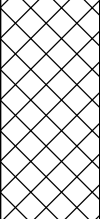
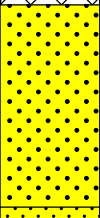
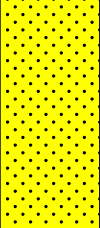
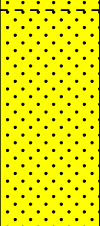
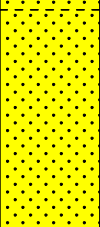

FALL

GEOLOGIST: J. Harshman

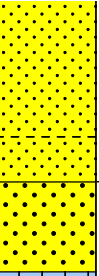

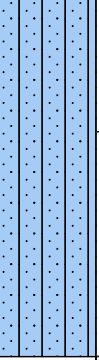
* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

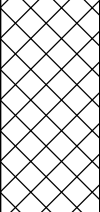


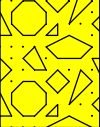
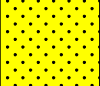
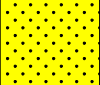
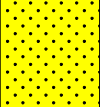
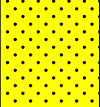
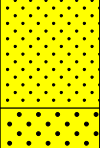
0		1	-	100%	Dark Brown	Loose-Medium Dense	FILL. Fine silty sand, trace gravel, little organic matter (plant roots). No MGP impact.	FILL		0.0	Dry 0.0
-5		2	-	62%			Fine-medium SAND.	SP		0.0	0.0
-10		3	-	60%	Light Brown-Orange	Loose	Fine-coarse SAND, little fine-medium gravel. No MGP impact.	SW		0.0	0.0
-15		4	-	70%	Orange-Brown		Fine-coarse SAND, little fine-medium gravel. No MGP impact.			0.0	0.0
-20		5	-	70%			Fine-coarse SAND, little-some fine-medium gravel. No MGP impact.			0.0	0.0
-25		6	-	63%	Light Brown					0.0	Moist 0.0

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring handcleared from 0'-5'.
 Borehole backfilled with cement-bentonite grout to grade.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30		7	-	80%	Tan-Orange	Medium Dense	Fine-coarse SAND, trace-little fine gravel. Brown staining, slight NAPL coating, faint naphthalene-like odor.	SP		2.0	Wet
					Brown					0.1	0.0
					Tan-Orange		Fine-medium SAND. No MGP impact.			0.0	
					Brown		Fine SILTY SAND. No MGP impact.	SM			
-35		8	-	93%	Tan-Light Gray	Loose-Medium Dense	-trace fine-medium gravel from 35'-36.			0.0	0.0
-40							End of boring at 40' bgs.				
-45											
-50											
-55											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring handcleared from 0'-5'.
 Borehole backfilled with cement-bentonite grout to grade.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-280	
CLIENT: National Grid						SHEET: 1 OF 2	
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011	
GROUNDWATER: ~23' bgs						BORING LOCATION: Southwest side of MOB	
CAS.						GROUND ELEVATION: N/A	
SAMPLER						Macrocore	
CORE						DATE STARTED: 1/17/09	
TUBE						DATE FINISHED: 1/17/09	
DATE						DRILLER: M. Meade	
TIME						GEOLOGIST: M. Dascoli	
LEVEL						REVIEWED BY: K. Connare	
TYPE						* POCKET PENETROMETER READING	
TYPE							
DIA.						2-inch	
WT.							
FALL							
DEPTH FEET						USCS	
STRATA						MGP COLOR CODE	
SAMPLE NO.						PID	
BLOW COUNT						MOISTURE HCN	
REC%							
RQD%							
COLOR							
SOIL CONSISTENCY							
ROCK HARDNESS							
MATERIAL DESCRIPTION							

DEPTH FEET	STRATA	SAMPLE NO.	BLOW COUNT	REC%	RQD%	COLOR	SOIL CONSISTENCY	ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE HCN
0		1	-	100%		Brown	N/A		FILL. Fine-coarse sand, some fine-coarse gravel, some silt, trace brick fragments and cobbles. No MGP impact.	FILL		0.0	Dry 0.0
-5		2	-	93%		Dark Brown	Hard		Fine-coarse SAND, little fine-medium gravel. No MGP impact.	SW		0.0	0.0
	CLAY, some fine sand from 6'-7'. No MGP impact.								CL				
-10		3	-	63%		Dark Brown	N/A		Fine SAND, some silt. No MGP impact.	SM		0.0	0.0
									Fine-coarse SAND, intermittent layers of fine gravel. No MGP impact.	SW-GW			
-15		4	-	68%		Light Brown			Fine-medium SAND, little fine-medium gravel, trace silt from 13'-15'. No MGP impact.	SW		1.5	0.0
									Orange-Brown	Dark Brown			
-20		5	-	65%		Orange-Brown						0.0	0.0
													
-25		6	-	77%		Orange-Brown			Fine-coarse SAND. No MGP impact.	SP		0.0	0.0

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring handcleared from 0'-5'.
 Borehole backfilled with cement-bentonite grout to grade.

BORING NO. : DGP-280

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 2 OF 2


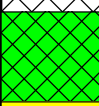

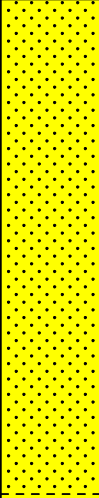
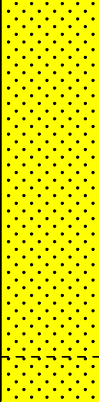
CLIENT: National Grid

JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
					Brown-Gray		Fine SAND. Faint naphthalene-like odor, black NAPL staining at 26'.				
-30		7	-	83%	Tan-Gray		-light NAPL coating from 29'-30', moderate naphthalene-like odor.			N/A	N/A
-35		8	-	85%			Coarse SAND and fine GRAVEL. Moderate naphthalene-like odor.	SP-GP		N/A	N/A
							Fine-coarse GRAVEL, trace coarse sand. Moderate naphthalene-like odor.	GW			
-40							Fine-medium SAND, trace fine-medium gravel. Moderate naphthalene-like odor.	SW			
							End of boring at 40' bgs.				

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring handcleared from 0'-5'.
 Borehole backfilled with cement-bentonite grout to grade.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : DGP-281					
CLIENT: National Grid						SHEET: 1 OF 2					
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011					
GROUNDWATER: ~25' bgs						BORING LOCATION: Step out from DGP-251 & DGP-219					
CAS.						GROUND ELEVATION: N/A					
SAMPLER						DATE STARTED: 1/26/09					
CORE						DATE FINISHED: 1/26/09					
TUBE						DRILLER: M. Mede					
Macrocore						GEOLOGIST: M. Dascoli					
2-inch						REVIEWED BY: K. Connare					
WT.											
FALL											
* POCKET PENETROMETER READING											
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	N/A	FILL. 1" layer of 3/4 stone at surface. Fine-coarse sand, some fine-coarse gravel. No MGP impact.	FILL		0.0	Dry 0.0
-5		2	-	72%	Light Brown	N/A	CLAY, some fine sand.	CL		0.0	0.0
					Light Orange-Brown		Fine-coarse GRAVEL, some medium-coarse sand, trace silt. No MGP impact.	GW			
-10		3	-	63%	Light Brown	N/A	Fine-coarse SAND, some fine-coarse gravel. No MGP impact.	SW		0.6	0-1
-15		4	-	65%	Light Brown					0.8	0-1
-20		5	-	63%	Black					18.1	2.0
-25		6	-	60%	Brown	N/A	-some fine gravel.			30.5	0-2
										47.1	
										72.0	
										103	
										110	
										152	
										103	Wet 1.0

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring handcleared from 0'-5'.
 Borehole backfilled with cement-bentonite grout to grade.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30	[Yellow dotted pattern]	7	-	68%	Gray	Tan	medium gravel. Strong naphthalene-like odor.		[Yellow]	154	2.0
						Black					
						Brown					
-35	[Yellow dotted pattern]	8	-	95%	Orange-Brown		-black NAPL staining and sheen from 28'-29'.	GW SW	[Yellow]	86.3	3.0
							Fine-coarse SAND. Strong naphthalene-like odor.				
							-little fine-medium gravel.				
							Fine-coarse GRAVEL. No MGP impact noted.				
							Fine-coarse SAND, little silt, trace coarse gravel. No MGP impact.				
-40	[Yellow dotted pattern]	9	-	97%	Brown		Fine-medium SAND, trace fine gravel. Faint naphthalene-like odor.		[Yellow]	7.2	2.0
							-some fine-medium gravel from 42'-43'.				
-45	[Yellow dotted pattern]	10	-	97%					[Yellow]	4.3	3.0
-50	[Yellow dotted pattern]								[Yellow]	2.2	
-55	[Yellow dotted pattern]								[Yellow]	7.2	
							End of boring at 50' bgs.				

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring handcleared from 0'-5'.
 Borehole backfilled with cement-bentonite grout to grade.

BORING NO. : DGP-282

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: GC Park, step out from DGP-238

GROUNDWATER: ~20' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 1/27/09

DIA. 2-inch

DATE FINISHED: 1/27/09

WT.

DRILLER: M. Mede

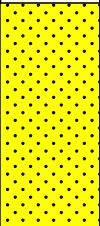
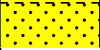
FALL

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0							Boring handcleared and drilled from 0'-20'. Sampling begins at 20' bgs.				
-5											
-10											
-15											
-20		1	-	57%	Orange-Brown	N/A	Fine-coarse SAND. No MGP impact. -some fine-medium gravel from 22'-24'.	SW		0.0	Wet 0.0
-25		2	-	93%			Fine-coarse SAND, little fine-coarse			0.0	0.0

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5', drilled from 5'-20', sampled from 20'-35'.

BORING NO. : DGP-282

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 2 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
							gravel. No MGP impact.				
-30		3	-	N/A			Fine-coarse SAND. No MGP impact. -some-trace fine-coarse gravel from 32'-35'.			0.0	0.0
-35							End of boring at 35' bgs.				
-40											
-45											
-50											
-55											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Boring handcleared from 0'-5', drilled from 5'-20', sampled from 20'-35'.

BORING NO. : DGP-282

BORING NO. : DGP-283

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: GC Park, step out from DGP-237

GROUNDWATER: ~25' bgs CAS. SAMPLER CORE TUBE

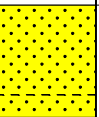




GROUND ELEVATION: N/A

DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				WT.				
				FALL				

DATE STARTED: 1/27/09
 DATE FINISHED: 1/27/09
 DRILLER: M. Mede
 GEOLOGIST: M. Dascoli
 REVIEWED BY: K. Connare

* POCKET PENETROMETER READING

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0							Boring handcleared and drilled from 0'-20'. Sampling begins at 20' bgs.				
-20		1	-		Orange-Brown	N/A	Fine-coarse SAND, trace fine gravel. No MGP impact.	SW		0.0	Moist 0.0
-22					Brown		Fine-coarse SAND, trace fine-medium gravel and silt. Faint naphthalene-like odor and staining.	SM		3.9	
-23					Orange-Brown					4.9	
-24					Brown		Fine SAND, some silt. No MGP impacts noted.			10.4	
-25		2	-		Orange-Brown		Fine-coarse SAND, little silt.	SW		4.5	Wet 0.0

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5', drilled from 5'-20', sampled from 20'-35'.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
					Dark Brown		Moderate naphthalene-like odor, some NAPL sheen and staining 23'-25'.	GW		5.6	
								SW		11.7	
							Fine-coarse SAND. Strong naphthalene-like odor, NAPL blebs and moderate coating 25'-26'.			12.5	
										10.5	
-30		3	-		Orange-Brown		Fine-medium GRAVEL, some fine-medium SAND. Strong naphthalene-like odor, moderate NAPL coating 26'-27'.			0.0	0.0
							Fine-coarse SAND, trace fine gravel. Strong naphthalene-like odor & coating from 27'-30'. NAPL saturated lens from 27'-27.5'. Moderate naphthalene-like odor, NAPL coating & staining from 30'-35'. Thin NAPL saturated lenses at 33.5', 34', and 34.25'.				
-35							End of boring at 35' bgs.				
-40											
-45											
-50											
-55											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Boring handcleared from 0'-5', drilled from 5'-20', sampled from 20'-35'.

BORING NO. : DGP-284

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~30' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 7/8/09

DIA. 3.5-inch

DATE FINISHED: 7/8/09

WT.

DRILLER: Jan C.

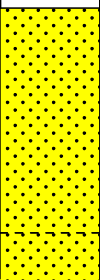

FALL

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-20' bgs.						
-20		1	72%	Light Orange-Brown	N/A	Fine-coarse SAND, trace fine gravel. No MGP impact.	SW		0.0	0.0	0.0	
-25		2	85%			Fine-medium SAND, trace fine gravel			0.0	0.0	0.0	Wet

COMMENTS: Boring advanced with a 8040 DT Direct Push Geoprobe and sampled with a 3.5" diameter macrocore.
Boring backfilled with cement-bentonite grout to grade.
Sampling begins at 20' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							
-30	[Yellow dotted pattern]	3	82%	Orange-Brown		and silt. Faint naphthalene-like odor.			0.0	0.0	0.0	
							Fine-coarse SAND, little fine gravel, trace silt. Faint naphthalene-like odor.			0.0	0.0	0.0
-35	[Yellow dotted pattern]	4	83%			Fine-coarse SAND, trace fine gravel. Faint naphthalene-like odor.			0.0	0.0	0.0	
										0.0	0.0	0.0
-40						End of boring at 40' bgs.						
-45												
-50												
-55												

COMMENTS: Boring advanced with a 8040 DT Direct Push Geoprobe and sampled with a 3.5" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 20' bgs.

BORING NO. : DGP-285

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~30' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 7/8/09

DIA. 2-inch

DATE FINISHED: 7/8/09

WT.

DRILLER: Evan Moriatis

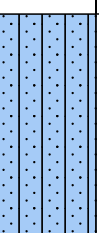

FALL

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

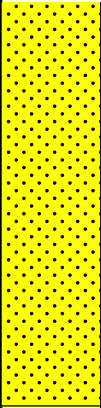
REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-20' bgs.						
-20		1	53%	Light Brown	N/A	Fine-medium SAND, some coarse sand, trace silt with trace fine gravel from 20'-21'. No MGP impact.	SM		0.0	0.0	0.0	Moist
-25		2	53%	Light Brown		Fine-coarse SAND, trace fine gravel,	SW		0.0	0.0	0.0	Wet

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 20' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							

-30		3	47%	Orange		trace silt. No MGP impact.						0.0	0.0	0.0
												0.0	0.0	0.0
												0.0	0.0	0.0
												0.0	0.0	0.0
												0.0	0.0	0.0
												0.0	0.0	0.0
												0.0	0.0	0.0
												0.0	0.0	0.0
-35														
-40														
-45														
-50														
-55														

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 20' bgs.

BORING NO. : DGP-286

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~26' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

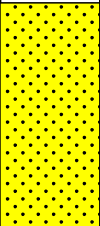
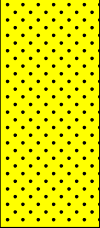
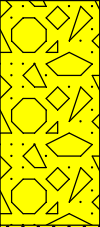
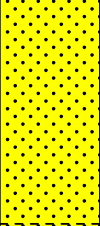



DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
				DIA.		Macrocore		
				WT.		2-inch		
				FALL				

DATE STARTED: 7/23/09
 DATE FINISHED: 7/23/09
 DRILLER: Evan Moriatis
 GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-5'. Boring hand cleared from 0'-7.5' bgs.							
-5		1	97%	Dark Brown	Loose	Fine-coarse SAND, little fine gravel. No MGP impact.	SW		0.0	0.0	0.0	Dry	
				Light Brown					0.0	0.0	0.0		
-10		2	88%	Dark Brown	Loose-Medium Dense	Fine-coarse SAND and GRAVEL, interval of fine silty sand from 17'-17.5'. No MGP impact.	SW-GW		0.4	1.0	0.0		
									0.2	0.0	0.0		
									0.5	0.0	0.0		
-15		3	87%	Dark Brown	Medium Dense	Fine-coarse SAND and GRAVEL, interval of fine silty sand from 17'-17.5'. No MGP impact.	SW-GW		0.2	0.0	0.0		
									0.1	0.0	0.0		
									0.2	0.0	0.0		
									0.2	0.0	0.0		
-20		4	73%	Dark Brown	Fine-coarse SAND, trace-little fine gravel. Dark brown NAPL staining, slight naphthalene-like odor from 20'-22' and 23'-25'.	SW			3.0	0.0	0.0		
										2.5	0.0		0.0
										10	1.0		0.0
-25		5	58%	Dark Brown	Fine-coarse SAND, trace fine gravel.	SW			16	0.0	0.0		
													12.5
									16	2.0	0.0		

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 5' bgs. Boring hand cleared from 0'-7.5' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							

-30	[Yellow dotted pattern]	6	55%	Light Brown	Slight-moderate brown NAPL staining, light NAPL coating, slight-moderate naphthalene-like odor.	SP	[Teal color]	9.0	9.0	0.0	Wet
					Fine SAND. Moderate-heavy brown NAPL staining, moderate coating and sheen, and naphthalene-like odor.			8.0	0.0	0.0	
-35	[Yellow dotted pattern]				Fine SAND. No MGP impacts. Faint naphthalene-like odor.		[Yellow color]	16	3.0	0.0	
								27	2.0	0.0	
								40	4.0	0.0	
								60	7.0	0.0	
								42	13	2.0	
								1.0	1.0	0.0	
								1.0	0.0	0.0	
					End of boring at 35' bgs.						
-40											
-45											
-50											
-55											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 5' bgs. Boring hand cleared from 0'-7.5' bgs.

BORING NO. : DGP-287

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~25' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				WT.				
				FALL				

DATE STARTED: 6/25/09

DATE FINISHED: 6/25/09

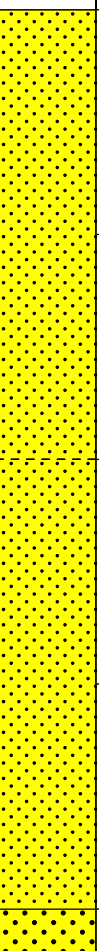
DRILLER: Evan Moriatis

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

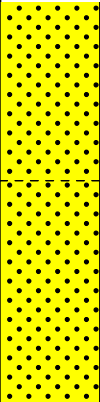
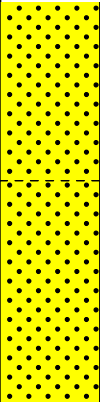
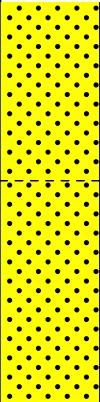
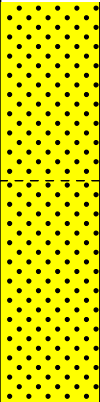
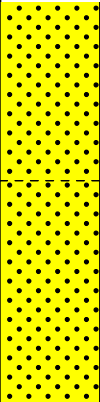
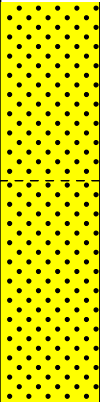
REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0		-	-	N/A	N/A	No samples collected from 0'-5'.	NONE												
-5		1	55%	Dark Brown	Loose	Fine-coarse SAND, little fine-medium gravel. No MGP impact.	SW		0.0	0.0	0.0	Slightly Moist							
-10		2	57%	Light Brown-Orange															
-15		3	50%	Orange-Brown	Medium Dense	Fine-coarse SAND, some fine-medium gravel. No MGP impact.	SW		0.0	0.0	0.0	0.0	Dry						
-20	4	50%		Loose-Medium Dense															
-25	5	47%	Light Brown-		Fine-medium SAND, trace coarse	SP		0.0	0.0	0.0		Wet							

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 5' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							

-30		6	47%	Orange		sand and fine gravel. No MGP impact.			0.0	1.0	0.0				
									0.0	0.0	0.0				
										0.0	1.0	0.0			
										0.1	0.0	0.0			
										0.0	0.0	0.0			
								Light Brown	Medium Dense	Fine SAND, trace silt. No MGP impact.		0.0	0.0	0.0	
											0.0	0.0	0.0		
-35									0.0	0.0	0.0				
										0.0	0.0	0.0			
										0.0	0.0	0.0			
										0.0	0.0	0.0			
										0.0	0.0	0.0			
										0.0	0.0	0.0			
										0.0	0.0	0.0			
-40															
-45															
-50															
-55															

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 5' bgs.

BORING NO. : DGP-288

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 3

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~25' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				WT.				
				FALL				

DATE STARTED: 6/24/09

DATE FINISHED: 6/25/09

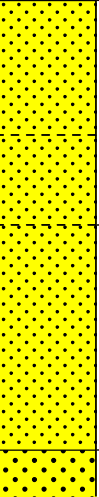


DRILLER: Evan Moriatis

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

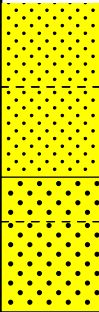
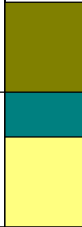
DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0		-	N/A	N/A	N/A	No samples collected from 0'-15' bgs.	NONE					
-15		1	48%	Brown	Loose	Fine-coarse SAND, little-some fine-medium gravel. No MGP impact.	SW		0.0	0.0	0.0	Dry
-20		2	52%	Brown-Light Brown	Loose-Medium Dense	Fine-medium SAND, trace-little fine-medium gravel. Slight black NAPL staining at 20' bgs. Faint naphthalene-like odor.			6.0	0.0	0.0	
-25		3	50%	Gray-Black	Loose	Fine-medium SAND, trace fine gravel.	SP		17	1.0	0.0	Moist-Wet

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 15' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							
-30	[Patterned]	4	52%	Orange-Brown Light Brown-Orange	Medium Dense	Several thin bands of black NAPL staining. Faint naphthalene-like odor throughout. Fine-medium SAND, trace fine gravel. No MGP impact.	SW-GW	[Green]	40	1.0	0.0	Wet
									10	1.0	0.0	
-35	[Patterned]	5	N/A		Loose	Fine-coarse SAND and fine-coarse GRAVEL. No MGP impact.	SW-GW		6.0	1.0	0.0	
									2.0	1.0	0.0	
									1.5	0.0	0.0	
									2.0	0.0	0.0	
									3.0	0.0	0.0	
									3.0	1.0	0.0	
									3.0	1.0	0.0	
-40	[Patterned]	6	N/A						0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
-45	[Patterned]	7	32%		Loose-Medium Dense	Fine-coarse SAND, trace-little fine-coarse gravel. No MGP impact.	SW		0.4	2.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.1	1.0	0.0	
									0.0	0.0	0.0	
-50	[Patterned]	8	52%						0.0	0.0	0.0	
									0.1	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
-55	[Patterned]	9	37%		Medium Dense	Fine-medium SAND, trace fine gravel. No MGP impact.			0.0	0.0	0.0	
									0.1	1.0	0.0	
									0.1	1.0	0.0	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 15' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							
-60		10	48%	Black		Fine-coarse SAND, some fine-medium gravel. Moderate-heavy black NAPL coating, sheen, and stain. Moderate naphthalene-like odor.	SP		0.0	0.0	0.0	
				White					0.0	0.0	0.0	
				Orange-Brown					20	2.0	0.0	
				Light Gray	Loose- Dense				25	2.0	0.0	
									5.0	1.0	0.0	
-65								8.0	1.0	0.0		
								1.0	1.0	0.0		
						End of boring at 65' bgs.						
-70												
-75												
-80												
-85												
-90												

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 15' bgs.

BORING NO. : DGP-289

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~25' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

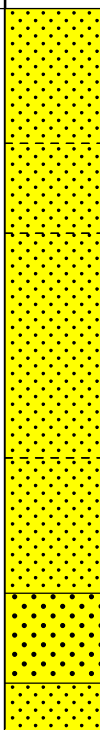

DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				WT.				
				FALL				

DATE STARTED: 6/26/09
 DATE FINISHED: 6/26/09
 DRILLER: Evan Moralitis
 GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0				N/A	N/A	No samples collected from 0'-10' bgs.						
-10		1	87%	Brown-Light Brown	Loose	Fine-medium SAND, trace fine gravel. Moderate brown NAPL staining with black NAPL staining from 11.5'-12'. Strong naphthalene-like odor.	SW		160	6.0	0.0	Dry
						Fine-coarse SAND, some fine-medium gravel. Moderate naphthalene-like odor.			185	1.0	0.0	
									140	0.0	0.0	
									180	0.0	0.0	
-15		2	60%	Brown	Loose-Medium Dense	Fine-coarse SAND, some fine-medium gravel. Slight brown NAPL staining, moderate-strong naphthalene-like odor.			100	0.0	0.0	
									150	1.0	2.0	
									165	1.0	2.0	
									152	3.0	3.0	
									158	3.0	1.0	
									160	2.0	1.0	
-20		3	57%	Brown-Light Brown	Medium Dense	Fine-coarse SAND, little fine-medium gravel. Slight brown NAPL staining, strong naphthalene-like odor.			105	0.0	0.0	
									175	0.0	0.0	
									210	0.0	0.0	
						Fine-medium SAND. Strong naphthalene-like odor.	SP		80	0.0	0.0	
									75	0.0	0.0	
-25		4	55%			Fine-coarse SAND, little fine-medium	SW		106	0.0	0.0	Wet

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 10' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							

-30	[Yellow dotted pattern]	5	52%	Light Brown		gravel. Moderate naphthalene-like odor.		[Yellow box]	90	0.0	0.0		
									60	0.0	0.0		
									Fine SAND. Moderate naphthalene-like odor.	SP	125	0.0	0.0
					Loose	Fine-medium SAND, trace fine gravel. Moderate naphthalene-like odor.	SW		50	0.0	0.0		
					Medium Dense	Fine SAND. Moderate to faint naphthalene-like odor.	SP		50	0.0	0.0		
											225	0.0	0.0
-35	[Yellow dotted pattern]								20	0.0	0.0		
								0.0	0.0	0.0			
								0.0	0.0	0.0			
								0.0	0.0	0.0			
-40						End of boring at 35' bgs.							
-45													
-50													
-55													

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 10' bgs.

BORING NO. : DGP-290

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~28' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 6/29/09

DIA. 2-inch

DATE FINISHED: 6/29/09

WT.

DRILLER: Evan Moraitis

FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

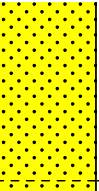

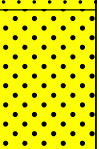
REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No sampling from 0'-10' bgs.								
-10	[Hatched Pattern]	1	72%	Brown	Very Dense	FILL. Fine-coarse sand, some fine-medium gravel. Slight naphthalene-like odor from 10'-11'. -fine-medium gravel, little ash-like material. Black NAPL staining from 11'-15', moderate brown/black NAPL coating from 14'-14.5', moderate naphthalene-like odor throughout.	FILL	[Yellow]	75	0.0	0.0	Dry		
				Black-Brown					[Teal]	140	0.0	0.0		
-15	[Yellow Dotted Pattern]	2	47%		Medium Dense	Fine-coarse SAND, little fine-medium gravel. Black and brown NAPL staining and moderate coating, moderate naphthalene-like odor.	SW	[Teal]	70	0.0	0.0			
									[Olive]	120	0.0	0.0		
										[Teal]	210	2.0	0.0	
										[Teal]	150	0.0	0.0	Moist
-20		3	48%	Brown		Fine-coarse SAND, little fine-medium gravel. Brown NAPL staining throughout, light-moderate NAPL coating from 20'-24', strong naphthalene-like odor throughout.			325	4.0	0.0			
									160	6.0	0.0			
									140	3.0	0.0			
									260	2.0	0.0			
-25		4	50%	Black	Very Dense	Fine-coarse SAND, some fine-medium gravel. Black NAPL staining and moderate coating, moderate naphthalene-like odor.			230	0.0	0.0			
									102	2.0	0.0			
									450	4.0	2.0			
									285	6.0	2.0			
									145	29	2.0			
									187	0.0	0.0			

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 10' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							

-30		5	53%	Brown	Medium Dense	Fine-medium SAND, trace fine-medium gravel. Slight brown NAPL staining throughout, slight NAPL coating from 28'-29'. Moderate naphthalene-like odor.	SP		20	0.0	0.0	Wet
					230				0.0	0.0		
-35					Loose- Dense	Fine-medium SAND, trace fine-medium gravel. Slight naphthalene-like odor.			185	0.0	0.0	
										230	0.0	
						Fine-medium SAND. Brown NAPL staining, moderate-heavy coating, strong naphthalene-like odor from 32'-34'. Faint naphthalene-like odor from 34'-35'.			113	2.0	0.0	
									75	22	0.0	
									300	12	0.0	
									250	25	0.0	
									5.0	5.0	0.0	
						End of boring at 35' bgs.						

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 10' bgs.

BORING NO. : DGP-291

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~29' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 6/29/09

DIA. 2-inch

DATE FINISHED: 6/29/09

WT.

DRILLER: Evan Moraitis

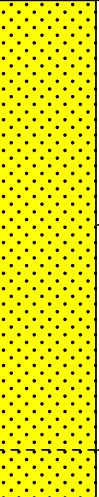
FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							

0						No sampling from 0'-15' bgs.							
-15		1	58%	Orange-Brown	Loose-Medium Dense	Fine-coarse SAND, some fine-medium gravel. No MGP impact.	SW		0.0	0.0	0.0	Dry	
-20		2	75%	Orange	Loose								-little fine-medium gravel.
-25				Light Brown									
-25		3	50%		Medium Dense	Fine-coarse SAND, trace-little fine			0.0	0.0	0.0		

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 15' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							
						gravel. No MGP impact.						
						-fine-medium sand at 29'-30'.						
-30		4	53%			Fine-medium SAND. Trace fine gravel from 30'-31', fine sand from 31'-35'. No MGP impact.	SP					Wet
-35		5	57%	Light Brown-Orange		Fine SAND, trace medium sand and fine gravel. No MGP impact.						
					Medium Dense- Dense	Fine-coarse SAND and GRAVEL. No MGP impact.	SW-GW					
-40		6	47%	Orange-Brown	Dense							
					Medium Dense	Fine-medium SAND, trace fine-medium gravel. No MGP impact.	SW					
-45						End of boring at 45' bgs.						
-50												
-55												

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 15' bgs.

BORING NO. : DGP-292

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~25' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				WT.				
				FALL				

DATE STARTED: 6/25/09

DATE FINISHED: 6/25/09

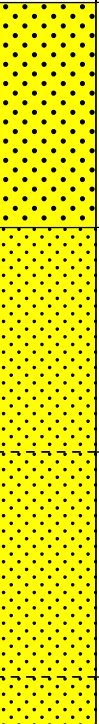


DRILLER: Evan

GEOLOGIST: J. Harshman

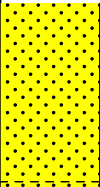

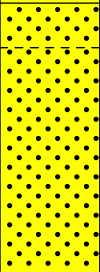
* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0		-	100%	-	N/A	No samples collected from 0'-10'.	NONE						
-10		1	50%	Black	Dense	Fine-medium SAND, trace fine-medium gravel. Black NAPL staining, moderate NAPL coating, strong naphthalene-like odor.	SP		10	0.0	0.0		
									30	0.0	0.0		
										70	0.0		0.0
										50	0.0		0.0
-15		2	48%		Medium Dense	Fine-coarse SAND, some fine-coarse gravel. Black NAPL staining and slight coating, moderate naphthalene-like odor.	SW		62	0.0	0.0		
									55	0.0	0.0		
									50	0.0	0.0		
									62	0.0	0.0		
									65	0.0	0.0		
-20		3	48%	Brown-Black		Fine-coarse SAND, little-trace fine gravel. Brown NAPL staining and slight coating, slight naphthalene-like odor.	SW		37	0.0	0.0	Dry	
									35	0.0	0.0		
									38	0.0	0.0		
									33	0.0	0.0		
									28	0.0	0.0		
-25		4	48%	Light Brown-		Fine-coarse SAND, trace fine-coarse	SW		4.0	0.0	0.0	Moist-Wet	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 10' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							
				Orange		gravel. Faint naphthalene-like odor.			1.0	0.0	0.0	Wet
-30		5	52%	Orange-Brown		Fine-medium SAND, trace coarse sand and fine coarse gravel. No MGP impact.	SW		0.0	0.0	0.0	
				Light Brown		Fine SAND. No MGP impact.	SP		0.0	0.0	0.0	
-35		6	38%	Light Brown-Orange		Fine-medium SAND. No MGP impact.		0.0	0.0	0.0		
-40						End of boring at 40' bgs.						
-45												
-50												
-55												

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 10' bgs.

BORING NO. : DGP-293

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~28' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 6/29/09

DIA. 2-inch

DATE FINISHED: 6/29/09

WT.

DRILLER: Evan Moraitis



FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No sampling from 0'-20' bgs.						
-20		1	47%	Orange-Light Brown	Dense	Fine-coarse SAND and GRAVEL. No MGP impact.	SW-GW		0.0	0.0	0.0	Dry
-25		2	48%		Medium Dense	Fine-coarse SAND, little fine-medium gravel. No MGP impact.	SW		0.0	0.0	0.0	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 20' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							
-30		3	27%		Loose-Medium Dense	-some fine-medium gravel. Fine-coarse SAND, little fine-medium gravel, trace cobble.			0.0	0.0	0.0	Wet
-35		4	53%	Light Brown	Medium Dense	-slight black NAPL staining, slight naphthalene-like odor at 35'. Fine SAND, trace silt. No MGP impact.	SM		2.5	1.0	0.0	
-40						End of boring at 40' bgs.			0.0	0.0	0.0	
-45									0.0	0.0	0.0	
-50									0.0	0.0	0.0	
-55									0.0	0.0	0.0	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 20' bgs.

BORING NO. : DGP-294

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~29-30' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 6/30/09

DIA. 2-inch

DATE FINISHED: 6/30/09

WT.

DRILLER: Evan Moraitis

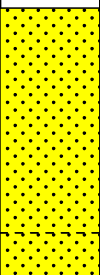

FALL

GEOLOGIST: J. Harshman

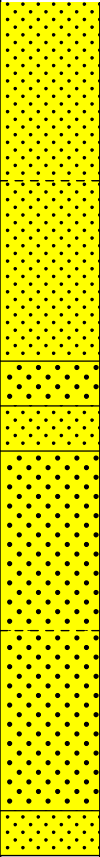


* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-20' bgs.						
-5												
-10												
-15												
-20		1	50%	Brown-Orange	Medium Dense- Dense	Fine-coarse SAND, little-some fine-medium gravel. -slight naphthalene-like odor at 25'.	SW		0.2	2.0	0.0	Dry
			0.2					2.0	0.0			
									0.1	2.0	0.0	
									0.1	2.0	0.0	
									20	2.0	0.0	
-25		2	47%			Fine-coarse SAND, some fine-			30	4.0	0.0	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Boring backfilled with cement-bentonite grout to grade.
Sampling begins at 20' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP	PID	HCN	H2S	MOISTURE
			RQD%		CONSISTENCY			ROCK HARDNESS				
-30		3	45%		Medium Dense	medium gravel. Light clear NAPL coating, slight naphthalene-like odor.			10	3.0	0.0	Wet
								6.0	2.0	0.0		
			5.0			2.0		0.0				
			3.0			2.0		0.0				
			0.0			0.0		0.0				
-35		4	55%			Fine-coarse SAND, little fine-coarse gravel. No MGP impact.			0.0	0.0	0.0	
								Fine-medium SAND. No MGP impact.	SP	0.0	0.0	0.0
						Fine-coarse SAND, little fine-medium gravel. Bands of black NAPL staining and heavy coating. Moderate naphthalene-like odor.	SW		0.0	0.0	0.0	
						Fine SAND. No MGP impact.	SP		20	2.0	0.0	
									0.0	0.0	0.0	
-40		5	70%	Orange-Light Brown		Fine SAND, trace fine-medium gravel. No MGP impact.			0.0	0.0	0.0	
											0.0	0.0
									0.0	1.0	0.0	
									0.0	2.0	0.0	
-45				Light Brown		Fine-coarse SAND, little fine-medium gravel. No MGP impact.	SW		0.0	1.0	0.0	
						End of boring at 45' bgs.						
-50												
-55												

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 20' bgs.

BORING NO. : DGP-295

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~25' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 7/6/09

DIA. 2-inch

DATE FINISHED: 7/6/09

WT.

DRILLER: Evan Moriatis

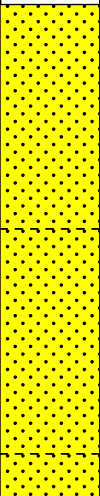

FALL

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-15' bgs.							
-15		1	62%	Brown	N/A	Fine-coarse SAND, little fine gravel. Slight NAPL coating, slight naphthalene-like odor from 15'-16' and 19'-20'.	SW		7.2	1.0	0.0		
-20		2	57%	Dark Gray Black-Dark Gray		Fine-coarse SAND, 6" bands of fine gravel at 21' and 24'. Heavy black NAPL staining and coating, strong naphthalene-like odor.			25.7	4.0	0.0		
-25		3	57%	Dark Gray Orange-Brown		Fine-coarse SAND, some fine-coarse			42.2	0.0	0.0		
										68.4	1.0		0.0

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 15' bgs.

BORING NO. : DGP-296

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~30' bgs

CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

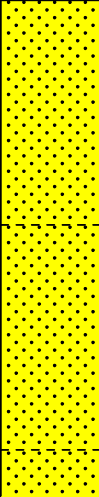
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				WT.				
				FALL				

DATE STARTED: 7/6/09
 DATE FINISHED: 7/6/09
 DRILLER: Evan Moriatis
 GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-15' bgs.							
-15		1	65%	Light Brown-Orange Brown	N/A	Fine-coarse SAND, trace-few fine gravel, trace silt. No MGP impact.	SW		0.2	1.0	0.0	Dry	
									0.1	1.0	0.0		
									0.1	0.0	0.0		
									0.1	0.0	0.0		
									0.1	0.0	0.0		
-20			2	63%			Fine-coarse SAND, trace fine gravel and silt. No MGP impact.			0.1	0.0	0.0	Moist
									0.1	1.0	0.0		
									0.2	1.0	0.0		
									0.2	1.0	0.0		
									0.2	1.0	0.0		
-25		3	62%	Light Orange-		Fine-coarse SAND, some fine-coarse			0.5	1.0	0.0		

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 15' bgs.

BORING NO. : DGP-297

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~20' bgs

GROUND ELEVATION: N/A

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
				DIA.		Macrocore		
				WT.		3.5-inch		
				FALL				

DATE STARTED: 7/18/09

DATE FINISHED: 7/18/09

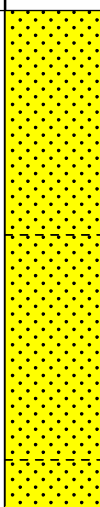
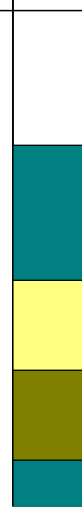
DRILLER: Jan C.

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-15' bgs.						
-15		1	77%	Brown-Light Brown	Loose	Fine-coarse SAND, some fine-coarse gravel.	SW		152	0	2.0	Wet
						-brown NAPL staining, strong naphthalene-like odor from 18'-20'. Gray NAPL staining at 19.5'.			208	8.0	4.0	
							305	18	6.0			
-20		2	73%			Fine-coarse SAND, trace-little fine gravel. Black NAPL staining and moderate coating from 20'-21'. Strong naphthalene-like odor throughout.			65	0.0	0.0	
						Brown NAPL coating from 23'-25'.			362	27	2.0	
									475	46	3.0	
									358	76	4.0	
									800	105	6.0	
-25		3	80%		Medium Dense	Fine-coarse SAND, trace-little fine gravel. Strong naphthalene-like odor. Several 2" intervals of black staining.			272	25	5.0	

COMMENTS: Boring advanced with a 8040 DT Direct Push Geoprobe and sampled with a 3.5" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 15' bgs.

BORING NO. : DGP-298

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~28' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				WT.				
				FALL				

DATE STARTED: 7/20/09

DATE FINISHED: 7/20/09

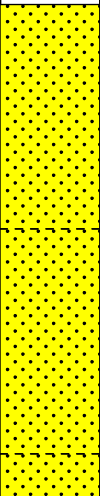

DRILLER: E. Moraitis

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

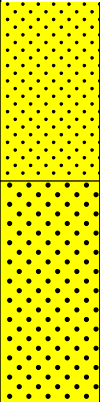

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-15' bgs.						
-15		1	63%	Light Brown	Loose	Fine-coarse SAND, trace fine gravel. No MGP impacts. -some fine gravel.	SW		0.0	0.0	0.0	Dry
-20		2	62%			Fine-coarse SAND, trace fine gravel. -black petroleum staining, thin bands of black staining, light petroleum coating, and slight petroleum like odor from 24'-25',			0.0	0.0	0.0	
-25		3	53%			Fine-coarse SAND, trace-little fine			4.0	0.0	0.0	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Boring backfilled with cement-bentonite grout to grade.
Sampling begins at 15' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							

-30		4	60%	Light Brown-Gray	Medium Dense	gravel. Black petroleum staining, slight petroleum-like odor from 25'-27'. -liner stained with NAPL, slight naphthalene-like odor from 28'-30'. -slight brown NAPL staining from 29'-30' Fine SAND, trace fine gravel at 30'. Brown NAPL staining, NAPL-stained liner, slight NAPL coating and moderate naphthalene-like odor from 31'-33'.	SP		22	0.0	0.0	Wet
									25	1.0	0.0	
									45	1.0	0.0	
									48	2.0	0.0	
									63	0.0	0.0	
									110	2.0	0.0	
									196	2.0	0.0	
									106	8.0	0.0	
									54	8.0	0.0	
									-35			
-40												
-45												
-50												
-55												

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 15' bgs.

BORING NO. : DGP-299

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~23' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 7/18/09

DIA. 3.5-inch

DATE FINISHED: 7/18/09

WT.

DRILLER: Jan C.

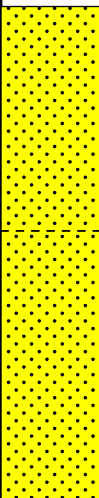


FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

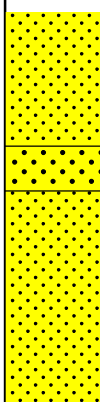
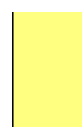
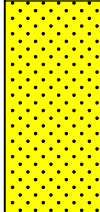
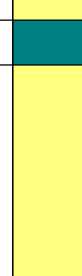
REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-15' bgs.						
-15		1	78%	Brown-Orange	Loose	Fine-coarse SAND, little fine gravel.	SW		0.0	0.0	0.0	Dry
-20		2	73%	Brown-Light Brown		Fine-coarse SAND, trace little fine-coarse gravel. Light clear-colored coating, moderate naphthalene-like odor.			340	1.0	0.0	Wet
-25		3	40%			-strong naphthalene-like odor from 25'-29', no staining noted.			307	4.0	0.0	

COMMENTS: Boring advanced with a 8040 DT Direct Push Geoprobe and sampled with a 3.5" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 15' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							

-30		4	77%			Fine SAND, trace cobbles. Slight black NAPL staining, strong naphthalene-like odor.	SP		150	8.0	2.0	
							103		12	2.0		
-35					Medium Dense	Fine-coarse SAND, trace fine gravel from 34.5'-35'. Slight naphthalene-like odor.	SW		480	13	3.0	
							913		39	6.0		
							54		0.0	0.0		
							36		0.0	0.0		
							14		0.0	0.0		
							213		0.0	0.0		
								42	0.0	0.0		
						End of boring at 35' bgs.						
-40												
-45												
-50												
-55												

COMMENTS: Boring advanced with a 8040 DT Direct Push Geoprobe and sampled with a 3.5" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 15' bgs.

BORING NO. : DGP-300

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~27' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 7/20/09

DIA. 2-inch

DATE FINISHED: 7/20/09

WT.

DRILLER: E. Moraitis

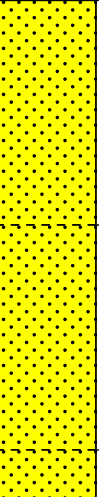
FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-15'.						
-15		1	57%	Orange-Brown	Loose-Medium Dense	Fine-coarse SAND, little fine gravel. No MGP impact.	SW		0.0	0.0	0.0	Dry
-20		2	63%		Loose	Fine-coarse SAND, trace fine gravel. No MGP impact.		0.0	0.0	0.0		
-25		3	63%	Loose-Medium	Fine-coarse SAND, little fine-coarse gravel.	0.0		0.0	0.0			

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 15' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							
					Dense				0.0	0.0	0.0	
						-stained liner, slight brown NAPL staining and naphthalene-like odor from 29.5'-30'.			0.0	0.0	0.0	Wet
-30		4	57%	Orange-Light Brown		Fine-coarse SAND, trace fine gravel. Faint naphthalene-like odor.			5.0	0.0	0.0	
									36	0.0	0.0	
									2.0	0.0	0.0	
									15	22	0.0	
									20	25	0.0	
						-slight brown NAPL staining and stained liner from 33'-35'.			14	76	0.0	
-35									23	27	0.0	
						End of boring at 35' bgs.						
-40												
-45												
-50												
-55												

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 15' bgs.

BORING NO. : DGP-301

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~23' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				WT.				
				FALL				

DATE STARTED: 7/19/09

DATE FINISHED: 7/19/09

DRILLER: Charles

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-20' bgs.						
-5												
-10												
-15												
-20		1	47%	Brown	Loose	Fine-coarse SAND, little fine gravel. No MGP impact.	SW		0.0	0.0	0.0	Wet
								0.0	0.0	0.0		
								0.0	0.0	0.0		
								0.0	0.0	0.0		
								0.0	1.0	0.0		
-25		2	55%	Dark Brown-	Loose-Medium	Fine-coarse SAND. No MGP impact.			0.2	1.0	0.0	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Boring backfilled with cement-bentonite grout to grade.
Sampling begins at 20' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							
-30	[Yellow dotted pattern]	3	57%	Orange	Dense	Fine SAND. No MGP impact.	SP		0.2	0.0	0.0	
									0.8	0.0	0.0	
-35	[Yellow dotted pattern]	4	40%	Light Brown	Medium Dense	-faint naphthalene-like odor from 30'-35'.		[Yellow solid color]	0.6	0.0	0.0	
									0.4	0.0	0.0	
									2.0	1.0	0.0	
									1.0	0.0	0.0	
									21	0.0	0.0	
-40	[Yellow dotted pattern]				Medium Dense- Dense	Fine-coarse SAND, some fine-coarse gravel. Faint naphthalene-like odor.	SW		57	0.0	0.0	
									37	0.0	0.0	
									123	0.0	0.0	
									106	0.0	0.0	
								35	0.0	0.0		
								10	0.0	0.0		
								5.0	0.0	0.0		
-40						End of boring at 40' bgs.						
-45												
-50												
-55												

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 20' bgs.

BORING NO. : DGP-302

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~20' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				WT.				
				FALL				

DATE STARTED: 7/8/09
 DATE FINISHED: 7/8/09
 DRILLER: Evan Moriatis
 GEOLOGIST: M. Dascoli
 REVIEWED BY: J. Boyd

* POCKET PENETROMETER READING

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-10' bgs.						
-10		1	77%	Brown	N/A	Fine-coarse SAND, some fine gravel, trace silt. No MGP impact.	SW		0.0	0.0	0.0	Moist
-15		2	67%						0.0	0.0	0.0	
-20		3	50%						0.0	0.0	0.0	Wet
-25		4	67%	Light Brown		Fine SAND, trace silt. Moderate dark	SM		0.0	0.0	0.0	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 10' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							

-30	[Patterned]	5	72%			brown NAPL staining, slight naphthalene-like odor. -some fine-coarse gravel from 29.5'-30'. -slight light brown-gray staining, strong naphthalene-like odor from 30'-35'. -slight NAPL coating in 1/4" lense at 33.5'.		[Color]	0.0	0.0	0.0																						
									0.0	0.0	0.0																						
									0.0	0.0	0.0																						
									0.0	0.0	0.0																						
									20.3	2.0	0.0																						
									46.4	2.0	0.0																						
									77.2	1.0	0.0																						
-35	[Patterned]								83.6	2.0	0.0																						
									24.5	17	0.0																						
-40	[Patterned]					End of boring at 35' bgs.																											
													-45	[Patterned]																			
																								-50	[Patterned]								

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 10' bgs.

BORING NO. : DGP-303

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~10' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 9/22/09

DIA. 2-inch

DATE FINISHED: 9/22/09

WT.

DRILLER: Luke

FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY:

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0												
-10		1	70%	Orange	Loose-Medium Dense	Fine-coarse SAND, trace fine gravel. Slight black NAPL staining from 14'-14.25'. Faint naphthalene-like odor throughout.	SW		0.0	0.0	0.0	Wet
-15		2	78%	Light Brown		Fine SAND. Slight black NAPL staining, faint naphthalene-like odor.	SP		10	0.0	0.0	
-20		3	70%			Fine SAND. Faint naphthalene-like odor.			5.0	0.0	0.0	
-25		4	63%	Light Brown	Medium Dense- Dense	Fine SAND. No MGP impact.	SW-GW		0.0	0.0	0.0	
				Orange	Medium Dense	Fine-coarse SAND and GRAVEL. No MGP impact.	SP		0.0	0.0	0.0	
				Light Brown		Fine-medium SAND. No MGP impact.	SW		0.0	0.0	0.0	
						Fine-coarse SAND, little fine gravel.			0.0	0.0	0.0	

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with bentonite grout to grade.
 Sampling begins at 10' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							

-30	Dotted					No MGP impact.			0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
-35						End of boring at 30' bgs.						
-40												
-45												
-50												
-55												

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with bentonite grout to grade.
 Sampling begins at 10' bgs.

BORING NO. : DGP-304

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~23' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		3.5-inch		
				WT.				
				FALL				

DATE STARTED: 7/8/09

DATE FINISHED: 7/8/09

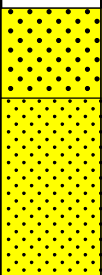
DRILLER: Jan C.

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-20' bgs.						
-20		1	72%	Orange-Brown	N/A	Fine SAND, some fine gravel from 20'-20.5'. No MGP impact.	SP		0.1	0-1	0.0	Moist
-25		2	93%	Dark Brown		Fine-coarse SAND, little fine gravel, trace silt. No MGP impact.	SW		0.1	0-1	0.0	Wet
						√ Fine-medium SAND, trace fine gravel.			0.1	0-2	0.0	
									0.0	0-2	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	

COMMENTS: Boring advanced with a 8040 DT Direct Push Geoprobe and sampled with a 3.5" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 20' bgs.

BORING NO. : DGP-304

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		CONSISTENCY							

-30		3	100%	Orange-Brown	No MGP impact.	SW		0.0	0.0	0.0																
				Dark Brown									Fine SAND. Trace silt at 29'.	SM	0.0	0-1	0.0									
				Light Brown									-NAPL sheen from 28'-31'.					0.0	0-1	0.0						
													-dark brown NAPL staining, four 1" lenses of slight coating from 29'-30'.								17.4	5.0	0.0			
													-faint naphthalene-like odor from 30'-35'.											0.8	2.0	0.0
																								0.5	2.0	0.0
																								2.1	2.0	0.0
-35					End of boring at 35' bgs.																					

COMMENTS: Boring advanced with a 8040 DT Direct Push Geoprobe and sampled with a 3.5" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 20' bgs.

BORING NO. : DGP-305

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~25' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 7/22/09

DIA. 2-inch

DATE FINISHED: 7/22/09

WT.

DRILLER: Evan Moriatis

FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

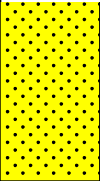
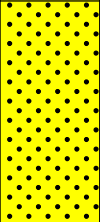
DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-25'.						
-5												
-10												
-15												
-20												
-25		1	67%	Light Brown	Loose-Medium	Fine-coarse SAND, some fine gravel.	SW		0.0	0.0	0.0	Wet

COMMENTS: Boring advanced with a 6610 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 25' bgs.

BORING NO. : DGP-305

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							

-30		2	97%		Dense	No MGP impact.						0.0	0.0	0.0
					Loose							0.0	0.0	0.0
-35					Medium Dense	Fine SAND, trace silt at 34.5'. No MGP impact.	SP					0.0	0.0	0.0
					0.0							0.0	0.0	
					0.0							0.0	0.0	
					0.0							0.0	0.0	
					0.0							0.0	0.0	
-40					End of boring at 35' bgs.									
-45					End of boring at 35' bgs.									
-50					End of boring at 35' bgs.									
-55					End of boring at 35' bgs.									

COMMENTS: Boring advanced with a 6610 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 25' bgs.

BORING NO. : DGP-306

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~30' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 7/20/09

DIA. 2-inch

DATE FINISHED: 7/20/09

WT.

DRILLER: E. Moraitis

FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-25'.						
-5												
-10												
-15												
-20												
-25		1	60%	Orange-Brown	Medium Dense	Fine-coarse SAND, little-some fine	SW		0.0	0.0	0.0	Dry

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 25' bgs.

BORING NO. : DGP-306

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							
-30	[Yellow dotted pattern]	2	60%			gravel. No MGP impact.			0.0	1.0	0.0	Wet
-35	[Yellow dotted pattern]	3	52%	Light Brown-Gray	Loose-Medium Dense	Fine-coarse SAND, little fine-coarse gravel. No MGP impact.		[Yellow solid]	0.0	0.0	0.0	
-40						End of boring at 40' bgs.						
-45												
-50												
-55												

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 25' bgs.

BORING NO. : DGP-307

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~23' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 7/21/09

DIA. 2-inch

DATE FINISHED: 7/21/09

WT.

DRILLER: E. Moraitis

FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-20' bgs.						
-20		1	53%	Orange-Light Brown	Loose-Medium Dense	Fine-coarse SAND, some fine-coarse gravel. No MGP impact.	SW		0.0	0.0	0.0	Wet
								0.0	0.0	0.0		
								0.2	0.0	0.0		
								0.2	0.0	0.0		
								0.0	0.0	0.0		
-25		2	65%	Light Brown	Medium Dense	Fine SAND, trace silt at 28'. No MGP	SP		0.0	0.0	0.0	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 20' bgs.

BORING NO. : DGP-308

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~27' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 7/20/09

DIA. 2-inch

DATE FINISHED: 7/20/09

WT.

DRILLER: E. Moraitis

FALL

GEOLOGIST: J. Harshman

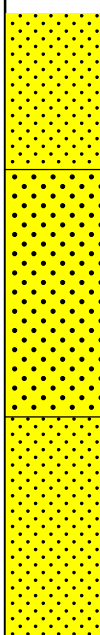

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-25'.						
-5												
-10												
-15												
-20												
-25		1	57%	Brown-Light	Loose	Fine-coarse SAND, little fine-coarse	SW		0.0	2.0	0.0	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 25' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							
				Brown		gravel. No MGP impact.			0.0	1.0	0.0	Wet
-30		2	57%	Light Brown	Medium Dense	Fine SAND. No MGP impact.	SP		0.0	10	0.0	
-35		3	53%	Gray-Dark Gray		Fine-medium SAND, trace little fine gravel. Very faint naphthalene-like odor.	SW		0.0	0.0	0.0	
-40						End of boring at 40' bgs.						
-45												
-50												
-55												

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 25' bgs.

BORING NO. : DGP-309

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~25' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				WT.				
				FALL				

DATE STARTED: 7/21/09

DATE FINISHED: 7/21/09

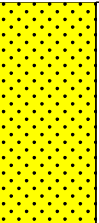
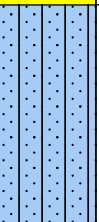
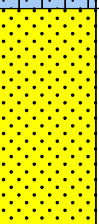
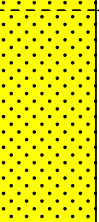
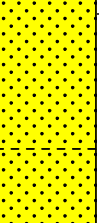


DRILLER: E. Moraitis

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0		1	N/A	Dark Brown	Loose	Loamy fine-coarse SAND, little fine-coarse gravel, trace silt. No MGP impact.	SW		0.0	0.0	0.0	Dry
-5		2	27%			Fine-coarse SILTY SAND, little fine gravel. No MGP impact.	SM		0.0	0.0	0.0	
-10		3	20%	Light Brown		Fine-coarse SAND, some fine-medium gravel. No MGP impact	SW		0.0	0.0	0.0	
-15		4	77%	Light Brown-Orange		Fine-coarse SAND, trace-little fine gravel. No MGP impact.			0.0	0.0	0.0	
-20		5	87%						0.0	0.0	0.0	
-25		6	67%	Light Gray-		Fine-medium SAND. Slight	SP		17	0.0	0.0	Wet

Fine-coarse SAND, little fine gravel. Black petroleum staining and light petroleum coating, moderate petroleum-like odor.

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Boring hand cleared to 5' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							
				Light Brown		petroleum-like odor.			30	0.0	0.0	
				Brown		Fine-coarse SAND and fine GRAVEL. Heavy petroleum-like staining and coating. Moderate-strong petroleum-like odor.	SW-GW		48	0.0	0.0	
-30		7	63%	Brown-Light Brown		Fine-coarse SAND, some fine-coarse gravel. Moderate petroleum coating and brown-clear petroleum staining from 33'-35'. Moderate petroleum-like odor, and brown liner staining from 33'-35'.	SW		60	0.0	0.0	
									60	0.0	0.0	
									18	0.0	0.0	
									30	0.0	0.0	
									70	0.0	0.0	
									44	1.0	0.0	
									70	0.0	0.0	
-35		8	57%	Light Brown		Fine-coarse SAND, some fine-coarse gravel. Light clear-brown colored petroleum staining, slight-moderate petroleum-like odor.			70	0.0	0.0	
									20	1.0	0.0	
									17	0.0	0.0	
									20	1.0	0.0	
									15	0.0	0.0	
-40						End of boring at 40' bgs.						
-45												
-50												
-55												

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Boring hand cleared to 5' bgs.

BORING NO. : DGP-310

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~27' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				WT.				
				FALL				

DATE STARTED: 7/21/09

DATE FINISHED: 7/21/09

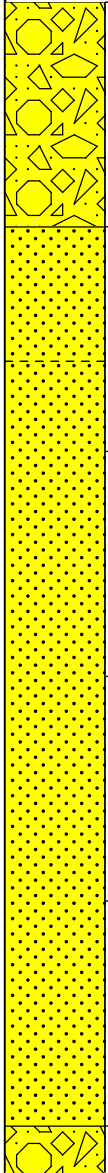
DRILLER: E. Moraitis

GEOLOGIST: J. Harshman

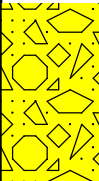

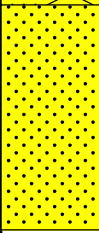
* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0		1	N/A	Dark Brown	Loose	Loamy fine-coarse SAND and fine-coarse GRAVEL. No MGP impact.	SW-GW		0.0	0.0	0.0	Dry
-5		2	63%		Medium Dense	Fine-coarse SAND, some fine-coarse gravel and silt. No MGP impact.	SW		0.0	0.0	0.0	Moist
-10		3	70%	Orange-Light Brown	Loose	Fine-coarse SAND, some fine-coarse gravel. No MGP impact.			0.0	0.0	0.0	Dry
-15		4	80%						0.0	0.0	0.0	
-20		5	83%	Light Brown-Dark Brown					0.0	0.0	0.0	
-25		6	87%	Orange-Light	Loose-Medium	Fine-coarse SAND and fine GRAVEL.	SW-GW		0.0	0.0	0.0	Moist

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Boring hand cleared to 5' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							
				Brown	Dense	-clear-brown petroleum staining, slight petroleum coating, moderate petroleum-like odor from 27'-30'			0.5	1.0	0.0	Wet
-30			7	57%	Brown				Medium Dense	Fine-coarse SAND and GRAVEL. Light petroleum coating with clear-brown color, moderate-strong petroleum odor throughout.	28	
		8	37%	Light Brown	Loose	Fine-coarse SAND, little fine-coarse gravel. Lightly coated with clear-brown petroleum-like material. Light petroleum staining, moderate petroleum-like odor.	SW		40	0.0	0.0	
-35									50	0.0	0.0	
-40						End of boring at 40' bgs.						
-45												
-50												
-55												

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Boring hand cleared to 5' bgs.

BORING NO. : DGP-311

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~22' bgs CAS. SAMPLER CORE TUBE

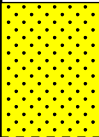


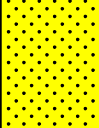

GROUND ELEVATION: N/A

DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				WT.				
				FALL				

DATE STARTED: 7/1/09
 DATE FINISHED: 7/1/09
 DRILLER: Evan Moraitis
 GEOLOGIST: M. Dascoli
 REVIEWED BY: J. Boyd

* POCKET PENETROMETER READING

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-10' bgs.						
-10		1	65%	Red-Brown	Medium Dense	Coarse-fine SAND, some fine-medium gravel. No MGP impacts.	SW		0.0	1.0	0.0	Dry
						Light Brown		Fine-medium SAND, trace fine gravel, trace silt. No MGP impacts.	0.0	0.0	0.0	
-15		2	57%	Light Brown-Orange		Fine-coarse SAND, some fine-medium gravel, trace silt. No MGP impacts.			0.1	0.0	0.0	
									0.0	0.0	0.0	
-20		3	57%			Fine-coarse SAND. No MGP impacts.			0.0	0.0	0.0	Moist
									0.0	0.0	0.0	
-25				Brown		Fine-medium GRAVEL, some fine-coarse sand, trace silt. No MGP impacts.	GW		0.0	0.0	0.0	Wet
									0.0	0.0	0.0	
		4	53%	Red-Brown		Fine-coarse SAND, little fine-medium	SW		0.0	0.0	0.0	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 10' bgs.

BORING NO. : DGP-311

BORING NO. : DGP-312

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~34' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				WT.				
				FALL				

DATE STARTED: 7/1/09

DATE FINISHED: 7/1/09

DRILLER: Evan Moraitis

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-15' bgs.							
-15		1	45%	Tan	N/A	Fine GRAVEL, little fine-coarse sand, trace silt. No MGP impacts.	GW		0.6	0.0	0.0	Dry	
				Tan-Orange		Fine-coarse SAND, trace fine gravel and silt. No MGP impacts.	SW		0.8	0.0	0.0		
						Orange-Brown	Fine-coarse SAND, some fine-medium gravel, trace silt. No MGP impacts.			1.2	0.0		0.0
						Dark Brown	Fine-coarse SAND, trace silt and fine gravel. No MGP impacts.			0.5	0-1		0.0
						Light Orange-Brown	Fine-coarse SAND and fine-medium GRAVEL, trace silt.	SW-GW		0.4	0.0		0.0
-20		2	55%						0.0	0.0	0.0		
										0.0	0.0	0.0	
-25		3	62%						0.0	0.0	0.0		
										0.0	0.0	0.0	
						-1.5" on black NAPL staining, strong naphthalene-like odor at 25'.			2.6	0.0	0.0		

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 15' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							
-30		4	53%	Brown		-no MGP impacts from 26.5'-31'.			0.1	0.0	0.0	
				Light Orange-Brown								
-35		5	45%	Tan		Fine-medium SAND, trace fine gravel. No MGP impacts.	SW		0.0	0.0	0.0	Wet
						Fine-medium GRAVEL, little fine-coarse sand, trace silt. No MGP impacts.	GW		0.0	0.0	0.0	
-40						Fine-coarse SAND, trace fine-medium gravel, trace silt. No MGP impacts.	SW		0.0	0.0	0.0	
									0.0	0.0	0.0	
-45						End of boring at 40' bgs.						
-50												
-55												

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 15' bgs.

BORING NO. : DGP-313

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~35' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 7/1/09

DIA. 2-inch

DATE FINISHED: 7/1/09

WT.

DRILLER: Evan Moraitis

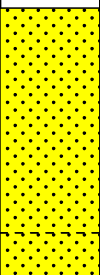

FALL

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-20'.						
-20		1	77%	Orange-Brown	N/A	Medium-coarse SAND, trace fine-coarse gravel, trace silt. No MGP impacts.	SW		0.0	0.0	0.0	Dry
-25		2	37%			Fine-coarse SAND, trace fine-coarse			0.0	0.0	0.0	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 20' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							
-30	[Yellow dotted pattern]	3	45%			gravel. Faint naphthalene-like odor.	[Yellow box]	0.0	1.0	0.0		
								0.0				
						Fine-coarse SAND, trace fine-coarse gravel, trace silt. Faint naphthalene-like odor from 30'-31'.		0.3	2.0	0.0		
								0.3	1.0	0.0		
								0.1	0.0	0.0		
								0.1	1.0	0.0		
								0.0	3.0	0.0		
								0.0	0.0	0.0		
								0.0	0.0	0.0		
-35	[Yellow dotted pattern]	4	35%	Light Brown		Fine-coarse SAND, little fine gravel, trace silt. No MGP impacts.		0.0	0.0	0.0		Wet
								0.0				
								0.1	1.0	0.0		
								0.1	1.0	0.0		
								0.1	1.0	0.0		
-40						End of boring at 40' bgs.						
-45												
-50												
-55												

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 20' bgs.

BORING NO. : DGP-314

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~34' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 7/7/09

DIA. 3.5-inch

DATE FINISHED: 7/7/09

WT.

DRILLER: Jan C.

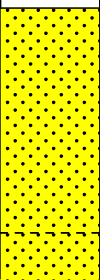
FALL

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0' -20' bgs.						
-20		1	30%	Orange-Brown	N/A	Fine-coarse SAND, little fine gravel, trace silt. No MGP impacts.	SW		0.2	0.0	0.0	
-25		2	22%			Fine-medium SAND, little silt, trace			0.2	1.0	0.0	
									0.1	1.0	0.0	
									0.0	1.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	

COMMENTS: Boring advanced with a 8040 DT Direct Push Geoprobe and sampled with a 3.5" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 20' bgs.

BORING NO. : DGP-315

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~25' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
				DIA.		Macrocore		
				WT.		3.5-inch		
				FALL				

DATE STARTED: 7/7/09

DATE FINISHED: 7/8/09

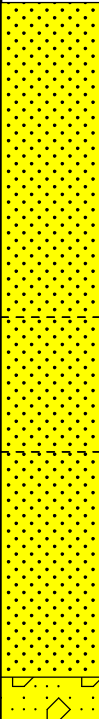
DRILLER: Jan C.

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-10' bgs.						
-10		1	72%	Orange-Brown	N/A	Fine-coarse SAND and GRAVEL, trace silt. No MGP impacts.	SW		0.1	0.0	0.0	
				Light Orange-Brown					0.1	0.0	0.0	
									0.1	1.0	0.0	
									0.2	1.0	0.0	
									0.2	2.0	0.0	
-15		2	77%	Orange-Brown					0.1	0.0	0.0	
									0.1	0.0	0.0	
									0.1	0.0	0.0	
									0.1	0.0	0.0	
									0.1	0.0	0.0	
-20	3	82%			Fine-coarse SAND, some fine gravel, trace silt. No MGP impact.				0.1	1.0	0.0	
									0.1	1.0	0.0	
									0.1	1.0	0.0	
									0.1	1.0	0.0	
									0.1	1.0	0.0	
-25	4	82%	Brown		Fine-coarse GRAVEL, some fine-coarse sand, trace silt. Faint	GW		N/A	N/A	N/A		Wet

COMMENTS: Boring advanced with a 8040 DT Direct Push Geoprobe and sampled with a 3.5" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 10' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							
						naphthalene-like odor.			N/A	N/A	N/A	
						Fine-coarse SAND, little fine gravel. Faint naphthalene-like odor.	SW		N/A	N/A	N/A	
		5	77%	Orange-Brown		Fine-coarse SAND, little fine-coarse gravel. Faint naphthalene-like odor.			N/A	N/A	N/A	
									N/A	N/A	N/A	
									N/A	N/A	N/A	
									N/A	N/A	N/A	
									N/A	N/A	N/A	
		6	77%	Light Brown		Fine-coarse SAND, trace fine gravel. No MGP impact.			0.0	0-1	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
						End of boring at 40' bgs.						

COMMENTS: Boring advanced with a 8040 DT Direct Push Geoprobe and sampled with a 3.5" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 10' bgs.

BORING NO. : DGP-316

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~35' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 7/7/09

DIA. 2-inch

DATE FINISHED: 7/7/09

WT.

DRILLER: Evan Moriatis

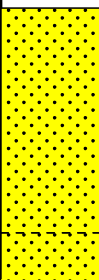
FALL

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-20' bgs.						
-5												
-10												
-15												
-20		1	63%	Orange-Brown	N/A	Fine-coarse SAND. No MGP impacts.	SW		0.0	0.0	0.0	
-25		2	53%	Dark Brown Orange-Brown		-some fine gravel. ----- Fine-coarse SAND, some fine gravel.			0.0	0.0	0.0	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Boring backfilled with cement-bentonite grout to grade.
Sampling begins at 20' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP	PID	HCN	H2S	MOISTURE
			RQD%		CONSISTENCY			ROCK HARDNESS				

-30	[Yellow dotted pattern]	3	57%			No MGP impacts.			0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.1	0-1	0.0	
									0.1	1.0	0.0	
									0.1	1.0	0.0	
									0.2	1.0	0.0	
									1.7	1.0	0.0	
									2.2	1.0	0.0	
-35	[Yellow dotted pattern]	4	52%			Fine-coarse SAND, some fine gravel. No MGP impacts.			1.7	1.0	0.0	Wet
									2.1	1.0	0.0	
									2.7	1.0	0.0	
									2.5	1.0	0.0	
-40	[Yellow dotted pattern]					End of boring at 40' bgs.						
-45	[Yellow dotted pattern]											
-50	[Yellow dotted pattern]											
-55	[Yellow dotted pattern]											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 20' bgs.

BORING NO. : DGP-317

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~30' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				WT.				
				FALL				

DATE STARTED: 7/6/09

DATE FINISHED: 7/6/09

DRILLER: Evan Moriatis

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-10' bgs.						
-10		1	82%	Orange-Brown	N/A	Fine-coarse SAND, some fine gravel. No MGP impact.	SW		0.0	0.0	0.0	
-15		2	72%	Brown		Fine-coarse SAND, trace fine gravel. No MGP impact.			0.0	0.0	0.0	Moist
-20		3	57%			Fine-medium SAND, trace fine gravel. No MGP impact.			0.0	0.0	0.0	
-25		4	67%	Orange-Brown		-some fine gravel at 24'. Fine-coarse SAND, few fine-coarse			1.2	9.0	0.0	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Boring backfilled with cement-bentonite grout to grade.
Sampling begins at 10' bgs.

BORING NO. : DGP-317

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							
-30	[Yellow dotted pattern]	5	55%			gravel. Strong naphthalene-like odor. -light brown NAPL coating from 26'-28'. Fine-coarse SAND, trace fine-coarse gravel and silt. No MGP impact.		24.8	24.8	2.0	0.0	Wet
								47.3				
-35	[Yellow dotted pattern]	6	42%			Fine-coarse SAND, trace fine-coarse gravel. No MGP impact.		17.4	17.4	7.0	0.0	
								9.3				
-40						End of boring at 40' bgs.		0.0		0.0	0.0	
-45								0.0		0.0	0.0	
-50								0.0		0.0	0.0	
-55								0.0		0.0	0.0	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 10' bgs.

BORING NO. : DGP-318

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~28' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 7/21/09

DIA. 2-inch

DATE FINISHED: 7/22/09

WT.

DRILLER: Evan Moriatis

FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-10'.						
-10		1	90%	Light Brown	Loose-Medium Dense	FILL. Bricks, mortar, sand and gravel.	FILL		1.0	0.0	0.0	Dry
						Fine-coarse SAND, little fine-coarse gravel. Slight black NAPL staining at 14'-14.5', faint naphthalene-like odor from 14'-15'.	SW		2.0	0.0	0.0	
									8.0	0.0	0.0	
									12	0.0	0.0	
									20	0.0	0.0	
-15		2	70%		Loose	Fine-coarse SAND, trace fine gravel. Black-gray NAPL staining, slight-moderate naphthalene-like odor.			8.0	1.0	0.0	
									21	1.0	0.0	
									26	1.0	0.0	
									30	2.0	0.0	
									26	2.0	0.0	
-20		3	70%			Fine-coarse SAND, some fine gravel from 21'-24'. Black-gray NAPL staining, moderate-strong naphthalene-like odor.			26	0.0	0.0	
									32	0.0	0.0	
									50	0.0	0.0	
									61	0.0	0.0	
									40	0.0	0.0	
-25		4	72%						2.0	0.0	0.0	

COMMENTS: Boring advanced with a 6620 and 6610 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 10' bgs.

BORING NO. : DGP-319

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~28' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 7/22/09

DIA. 2-inch

DATE FINISHED: 7/22/09

WT.

DRILLER: Evan Moriatis

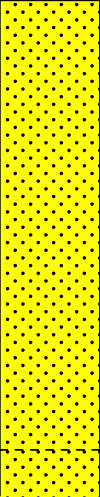
FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-15'.						
-15		1	70%	Orange-Light Brown	Loose	Fine-coarse SAND, trace-little fine gravel. No MGP impact.	SW	0.0	0.0	0.0	Dry	
								0.0	0.0	0.0		
								0.0	0.0	0.0		
-20		2	70%					0.0	0.0	0.0		
								0.0	0.0	0.0		
								0.0	0.0	0.0		
-25		3	83%			Fine-coarse SAND, some fine gravel.		0.0	0.0	0.0		

COMMENTS: Boring advanced with a 6610 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 15' bgs.

BORING NO. : DGP-320

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~25' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				WT.				
				FALL				

DATE STARTED: 9/28/09

DATE FINISHED: 9/28/09

DRILLER: Luke

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY:

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0		1	100%	Dark Brown	N/A	Fine-coarse SAND, trace silt and gravel. No MGP impact.	SW-SM		0.0	0.0	N/A	Moist
-5		2	45%	Light Brown		Fine-medium SAND, trace silt and fine gravel. No MGP impact.			0.4	0.0		
				Brown		Fine gravel, trace coarse sand. No MGP impact.	GP SW-SM		0.7	0.0		
						Fine-medium SAND, trace silt and gravel. No MGP impact.			1.1	0.0		
-10		3	53%	Light Brown					0.1	0.0		
									0.2	0.0		
									0.4	0.0		
									0.7	0.0		
									0.8	0.0		
-15		4	53%			Fine-medium SAND, trace fine gravel. No MGP impact.	SW		0.0	0.0		
									0.0	0.0		
						Fine-coarse SAND, trace fine gravel, trace silt from 18'-19'.			0.4	0.0		
									0.6	0.0		
-20		5	53%	Light Brown-Gray		Fine GRAVEL, some fine-coarse sand. Faint burnt plastic odor.	GW		0.3	0.0		
									1.6	0.0		
									1.5	0.0		
						Fine-coarse SAND, trace fine gravel. Moderate burnt plastic odor.	SW		7.1	0.0		
									6.2	0.0		
-25		6	70%	Gray		Fine GRAVEL, trace medium-coarse sand. Moderate burnt plastic odor.	GW SW		0.2	1.0		Wet

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Boring backfilled with bentonite grout to grade.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							

-30	[Yellow dotted pattern]	7	100%	Light Brown Brown		Fine-coarse SAND, trace fine gravel. Strong petroleum-like odor.		[Yellow]	4.0	0.0							
						12.4			0.0								
						Fine SAND. Strong petroleum-like odor.			SP	7.9	0.0						
						Fine-coarse SAND, trace fine gravel and silt. Strong petroleum-like odor.			SW-SM	17.8	0.0						
						Fine-coarse SAND, trace fine gravel and silt. Strong petroleum-like odor.			SW	6.8	0.0						
						Fine-coarse SAND. Moderate petroleum-like odor.			GW	7.0	0.0						
						26.9			0.0								
						Fine GRAVEL, trace fine-medium sand. Moderate petroleum-like odor.				28	0.0						
						Fine-coarse SAND, little fine gravel. Moderate petroleum-like odor.			SW	13.1	0.0						
						-35			[Yellow dotted pattern]	8	100%			Fine-coarse SAND, little fine gravel. Moderate petroleum-like odor.		0.5	0.0
0.5	0.0																
Fine-coarse SAND, little fine gravel, trace silt. Faint petroleum-like odor.		0.5	0.0														
0.5	0.0																
1.0	0.0																
1.0	0.0																
0.0	0.0																
0.0	0.0																
0.2	0.0																
0.2	0.0																
-40	[Yellow dotted pattern]	9	N/A			Fine-coarse SAND. No MGP impact.		0.0	0.0								
0.0						0.0											
0.2						0.0											
0.2						0.0											
0.2						0.0											
-45						End of boring at 45' bgs.											
-50																	
-55																	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Boring backfilled with bentonite grout to grade.

BORING NO. : DGP-321

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~25' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 9/25/09

DIA. 2-inch

DATE FINISHED: 9/25/09

WT.

DRILLER: Evan Moriatis

FALL

GEOLOGIST: J. Harshman

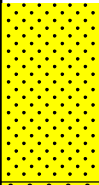

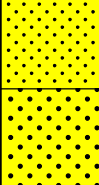
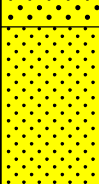




* POCKET PENETROMETER READING

REVIEWED BY:

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0												
-5												
-10												
-15												
-20		1	63%	Orange-Brown	Loose	Fine-coarse SAND, intervals of trace-little fine-coarse gravel. No MGP impact.	SW		0.0	0.0	0.0	Moist
-25		2	60%		Loose-Medium	Fine-coarse SAND, little fine gravel.	SW		0.1	0.0	0.0	Wet

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with bentonite grout to grade.
 Sampling begins at 20' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE	
			RQD%		ROCK HARDNESS								
-30		3	87%	Light Brown	Dense	-petroleum-like odor from 28'-30'.	SP		1.0	0.0	0.0		
									10	0.0	0.0		
									25	0.0	0.0		
									40	1.0	0.0		
									3.0	0.0	0.0		
									96	0.0	0.0		
									404	22	0.0		
									20	8.0	0.0		
									10	2.0	0.0		
									-35		4	83%	Gray
4.0	2.0	0.0											
5.0	1.0	0.0											
2.0	1.0	0.0											
2.0	0.0	0.0											
2.0	0.0	0.0											
2.0	0.0	0.0											
2.0	0.0	0.0											
2.0	0.0	0.0											
2.0	0.0	0.0											
-40		5	93%	Brown-Gray	Medium Dense	Fine-coarse SAND, some fine-coarse gravel. Very faint naphthalene-like odor.	SW		0.0	0.0	0.0		
					1.0				0.0	0.0			
					2.0				0.0	0.0			
					2.0				0.0	0.0			
					2.0				0.0	0.0			
					2.0				0.0	0.0			
					2.0				0.0	0.0			
					2.0				0.0	0.0			
					2.0				0.0	0.0			
					2.0				0.0	0.0			
-45						End of boring at 45' bgs.							
-50													
-55													

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with bentonite grout to grade.
 Sampling begins at 20' bgs.

BORING NO. : DGP-322

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~25' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 9/24/09

DIA. 2-inch

DATE FINISHED: 9/24/09

WT.

DRILLER: Luke

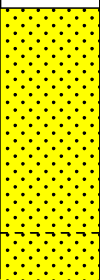
FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY:

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0												
-5												
-10												
-15												
-20		1	50%	Orange-Brown	Loose	Fine-coarse SAND, little fine gravel. No MGP impact.	SW		0.0	0.0	0.0	Dry
-25		2	0%	Light Brown		Fine-medium SAND, little fine gravel	SW		0.0	0.0	0.0	Wet

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with bentonite grout to grade.
 Sampling begins at 20' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							
						from 28'-29'. No MGP impact.			0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
-30		3	88%		Medium Dense	Fine SAND. Moderate-heavy black NAPL staining, sheen and strong naphthalene-like odor. NAPL saturation from 31.5'-32'.	SP		50	8.0	0.0	
									285	30	1.0	
									40	23	1.0	
						Fine SAND. Moderate sheen and naphthalene-like odor.	SP		30	5.0	0.0	
									20	2.0	0.0	
-35		4	83%		Medium Dense- Dense	Fine-coarse SAND and GRAVEL. Slight sheen and naphthalene-like odor.	SW-GW		7.0	1.0	0.0	
									7.0	0.0	0.0	
									11	0.0	0.0	
					Medium Dense	Fine-coarse SAND, trace-little fine gravel. Faint naphthalene-like odor.	SW		15	0.0	0.0	
-40		5				No description noted.	NONE		7.0	0.0	0.0	
-45						End of boring at 45' bgs.						
-50												
-55												

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with bentonite grout to grade.
 Sampling begins at 20' bgs.

BORING NO. : DGP-323

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~20' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 9/24/09

DIA. 2-inch

DATE FINISHED: 9/24/09

WT.

DRILLER: Luke

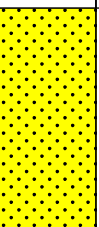
FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

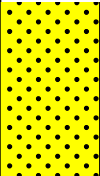
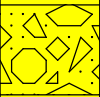

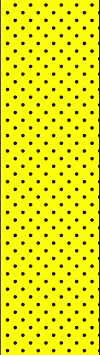

REVIEWED BY:

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0														
-5														
-10														
-15														
-20		1	70%	Brown-Light Brown	Loose	Fine-coarse SAND, little-some fine gravel. No MGP impact.	SW		0.0	0.0	0.0	Wet		
-25		2	90%		Loose-Medium	Fine SAND, trace fine gravel. No	SP		0.0	0.0	0.0			

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with bentonite grout to grade.
 Sampling begins at 20' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							

-30		3	0%		Dense	MGP impact.						0.0	0.0	0.0
					Loose							0.0	0.0	0.0
-35		4	92%	Orange-Brown	Medium Dense	Fine-coarse SAND and GRAVEL. Faint naphthalene-like odor.	SW-GW					17	0.0	0.0
												30	1.0	0.0
												22	2.0	0.0
												17	1.0	0.0
-40		5	0%	Light Brown	Loose	Fine-coarse SAND, trace fine gravel. Faint naphthalene-like odor.	SW					5.0	0.0	0.0
												8.0	0.0	0.0
												10	0.0	0.0
												10	0.0	0.0
												8.0	0.0	0.0
												6.0	0.0	0.0
-45						End of boring at 45' bgs.								
-50														
-55														

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with bentonite grout to grade.
 Sampling begins at 20' bgs.

BORING NO. : DGP-324

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~20' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE	TIME	LEVEL	TYPE	TYPE	Macrocore		
				DIA.	2-inch		
				WT.			
				FALL			

DATE STARTED: 9/23/09

DATE FINISHED: 9/23/09

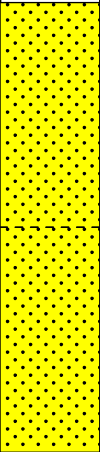
DRILLER: Luke

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

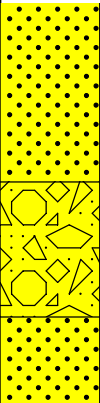
REVIEWED BY:

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0												
-10		1	47%	Brown-Light Brown	Loose	Fine-medium SAND, trace fine gravel. No MGP impact.	SW		0.0	0.0	0.0	Dry
-15		2	58%	Orange-Light Brown		Fine-coarse SAND, trace fine gravel. No MGP impact.			0.0	0.0	0.0	Moist - Wet
-20		3	67%		Loose-Medium Dense	Fine SAND, trace medium sand and fine gravel. No MGP impact.	SP		0.0	0.0	0.0	Wet
-25		4	0%	Light Brown	Medium Dense				0.0	0.0	0.0	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with bentonite grout to grade.
 Sampling begins at 10' bgs.

BORING NO. : DGP-324

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							
-30		5	0%	Orange	Loose	Fine-coarse SAND and GRAVEL. No MGP impact.	SW-GW			0.0	0.0	0.0
				Light Brown		Fine SAND. No MGP impact.	SP			0.0	0.0	0.0
-35						End of boring at 35' bgs.						
-40												
-45												
-50												
-55												

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with bentonite grout to grade.
 Sampling begins at 10' bgs.

BORING NO. : DGP-325

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~20' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 9/23/09

DIA. 2-inch

DATE FINISHED: 9/23/09

WT.

DRILLER: Luke

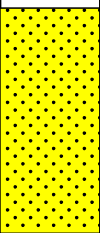

FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY:

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0												
-5												
-10												
-15												
-20		1	67%	Orange-Light Brown	Loose	Fine-coarse SAND, trace fine gravel. No MGP impact.	SW		0.0	0.0	0.0	Wet
									0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
-25		2	73%	Light Gray-	Loose-Medium	Fine SAND, trace fine gravel.	SP		0.0	0.0	0.0	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with bentonite grout to grade.
 Sampling begins at 20' bgs.

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 2 OF 2

CLIENT: National Grid

JOB NO. :11175065.00011

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE			
			RQD%		CONSISTENCY								ROCK HARDNESS		
-30		3	67%	Light Brown	Dense	-faint naphthalene-like odor from 27'-30'.			0.0	0.0	0.0				
-35		4	60%	Light Brown	Dense	Fine-coarse SAND and GRAVEL. Faint naphthalene-like odor.	SW-GW		7.0	1.0	0.0				
				Brown-Orange	Medium Dense	Fine-medium SAND, trace-little fine gravel. Faint naphthalene-like odor.	SW		2.0	1.0	0.0				
				Light Brown		Fine-medium SAND, some-trace fine gravel, trace silt from 36'-39'. Faint naphthalene-like odor.			10	1.0	2.0				
									12	2.0	4.0				
-40		5	48%			Fine-coarse SAND, little-trace fine gravel. Faint naphthalene-like odor.			7.0	1.0	3.0				
-45		6	53%						6.0	1.0	1.0				
-50									0.9	1.0	0.0				
-55									0.9	0.0	0.0				
									1.0	0.0	0.0				
									0.7	0.0	0.0				
									0.7	0.0	0.0				
									0.0	0.0	0.0				
									0.0	0.0	0.0				
									0.0	0.0	0.0				
									0.0	0.0	0.0				
									0.0	0.0	0.0				
									0.0	0.0	0.0				
									0.0	0.0	0.0				
									0.0	0.0	0.0				

End of boring at 50' bgs.

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with bentonite grout to grade.
 Sampling begins at 20' bgs.

BORING NO. : DGP-326

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~20' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 9/22/09

DIA. 2-inch

DATE FINISHED: 9/22/09

WT.

DRILLER: Luke

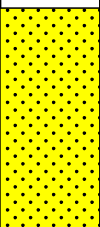

FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY:

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0												
-5												
-10												
-15												
-20		1	53%	Orange-Brown	Medium Dense	Fine-coarse SAND, trace fine gravel. No MGP impact.	SW		0.0	0.0	0.0	Wet
									0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
-25		2	63%	Light Brown	Loose-Medium	Fine SAND. Moderate black NAPL	SP		0.3	0.0	0.0	

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with bentonite grout to grade.
 Sampling begins at 20' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							
					Dense	staining, sheen and coating, moderate naphthalene-like odor from 26'-28'. Slight NAPL sheen and slight naphthalene-like odor from 28'-30'.			10	0.0	0.0	
									20	0.0	0.0	
									5.0	0.0	0.0	
									3.0	0.0	0.0	
-30		3	57%	Light Gray-Brown	Medium Dense	Fine SAND, trace fine gravel. Faint naphthalene-like odor.			0.3	0.0	0.0	
									0.2	0.0	0.0	
									0.1	0.0	0.0	
				Light Brown	Medium Dense- Dense	Fine-coarse SAND and GRAVEL. No MGP impact.	SW-GW		0.0	0.0	0.0	
									0.0	0.0	0.0	
-35		4	58%		Dense	-faint naphthalene-like odor from 35'-38'.			0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
					Medium Dense	Fine-medium SAND, trace fine gravel. No MGP impact.	SW		0.0	0.0	0.0	
-40									0.0	0.0	0.0	
						End of boring at 40' bgs.						
-45												
-50												
-55												

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with bentonite grout to grade.
 Sampling begins at 20' bgs.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York					BORING NO. : GTB-101					
CLIENT: National Grid					SHEET: 1 OF 2					
BORING CONTRACTOR: F + N					JOB NO. : 11175065.00011					
GROUNDWATER: ~26' bgs					CAS.	SAMPLER	CORE	TUBE	BORING LOCATION: LIRR ROW	
DATE	TIME	LEVEL	TYPE	TYPE	HSA	Split-spoon			GROUND ELEVATION: N/A	
				DIA.	4 1/4"	2"			DATE STARTED: 9/18/08	
				WT.		140 lbs			DATE FINISHED: 9/18/08	
				FALL		30"			DRILLER: Charlie	
* POCKET PENETROMETER READING								GEOLOGIST: J. Harshman		
								REVIEWED BY: K. Connare		


DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY					
0		1	1	0%			Borehole hand-cleared from 0'-5' bgs.				
		2	1	0%							
		3	2	92%	Gray	Loose	Fine SILTY SAND, trace medium sand. Slight petroleum odor. Black staining from 5'-6'.	SM		50-60	Dry 0.0
		4	5	92%	Black	Medium Dense				50-80	Moist 1.0
		5	9	58%	Brown	Dense	Fine-coarse SAND, trace fine gravel. -petroleum odor from 6.5'-8'. -petroleum odor and light coating from 8'-14'. -some fine-coarse gravel from 8'-10'.	SW		60-105	
		6	7	67%		Medium Dense				30-70	Moist- Dry 0-1
		7	11	50%			-petroleum odor from 14'-16'.			50-70	Dry 1.0
		8	9	67%						10-50	0-1
		9	6	83%			Fine-coarse SAND, trace fine gravel.			2-20	Moist
		10	5	75%			-thin lenses of black petroleum staining, petroleum odor from 17.5'-22'.			30-50	Moist- Dry 0-1
		11	7	75%						50-60	
		12	8	67%						60-90	0-2

COMMENTS: Boring advanced with a Cantera truck-mounted drill rig using a 4 1/4" ID hollow-stem augers. Sampling performed with 2" diameter split spoon samplers. Soil samples collected for grain size analysis (4'-7', 7'-20', and 20'-40'). Boring backfilled with cement-bentonite grout to grade. Borehole hand cleared from 0'-4' bgs.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	REMARKS
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					
			11 12				gravel. Some black staining and moderate naphthalene-like odor from 25'-27'.				Wet
-30		13	8 8 11 15	100%	Light Brown-Gray		Medium-coarse SAND and fine-coarse GRAVEL. Black NAPL staining and coating from 30'-31'. Black NAPL staining, slight coating, and moderate naphthalene-like odor from 31'-32'.	SW-GW		20-350	0-3
-35		14	12 9 9 15	67%	Light Gray		Fine-coarse SAND and GRAVEL. Heavy NAPL coating, blebs, strong naphthalene-like odor. NAPL saturation at 36.5'.			25-200	0-2
							Fine-coarse SAND, little fine gravel, trace cobbles. Some black NAPL staining, slight naphthalene-like odor from 36.5-37'.	SW			
-40		15	11 11 11 20	100%	Light Brown		Fine-coarse SAND and GRAVEL. Thin intervals of black NAPL staining. Slight naphthalene-like odor.	SW-GW		4-10	0-1
							Fine-medium SAND. No MGP impact.	SP			
							End of boring at 42' bgs.				

COMMENTS: Boring advanced with a Cantera truck-mounted drill rig using a 4 1/4" ID hollow-stem augers. Sampling performed with 2" diameter split spoon samplers. Soil samples collected for grain size analysis (4'-7', 7'-20', and 20'-40'). Boring backfilled with cement-bentonite grout to grade. Borehole hand cleared from 0'-4' bgs.

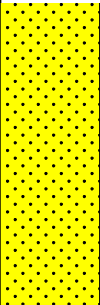
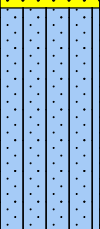
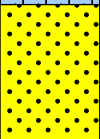
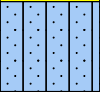
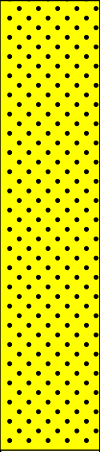

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York							BORING NO. : HISB-102				
CLIENT: National Grid							SHEET: 1 OF 3				
BORING CONTRACTOR: F + N							JOB NO. : 11175065.00011				
GROUNDWATER: ~35' bgs							BORING LOCATION: Smith Street				
CAS. SAMPLER CORE TUBE							GROUND ELEVATION: N/A				
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		DATE STARTED: 12/12/08			
				DIA.		2-inch		DATE FINISHED: 12/12/08			
				WT.				DRILLER: M. Meade			
				FALL				GEOLOGIST: J. Harshman			
* POCKET PENETROMETER READING							REVIEWED BY: K. Connare				
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY			ROCK HARDNESS		COLOR CODE

0	No Soil Sampling to 25' bgs.										
-5											
-10											
-15											
-20											
-25		1	-	67%	Light Brown-	Loose	GRAVELLY SAND. Faint	SW-GW		0.0	Moist 0.0

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
					Orange		naphthalene-like odor.				
-30		2	-	100%	Light Brown	Medium Dense Loose	Fine SAND. No MGP impact. -Faint naphthalene-like odor from 30'-32'.	SP		0.0 10	0.0
						Medium Dense	Fine-coarse SAND, some gravel. No MGP impact.	SW		0.1	
					Light Brown-Gray	Loose	Fine-coarse SAND. Slight naphthalene-like odor.	SP		0.0 0.3	
-35		3	-	92%		Loose-Medium Dense	-little fine-medium gravel at 35'-39'. Slight naphthalene-like odor from 35'-40'.			6.5 9.0 1.7	Wet 0.0 1.0 0.0
-40		4	-	100%	Light Gray	Loose	Fine-coarse SAND. Slight naphthalene-like odor.			4.5 3.5 5.0	0.0
-45		5	-	100%	Light Brown-Gray		Fine-coarse SAND, little fine-coarse gravel. Faint naphthalene-like odor.	SW		6.0 7.0 5.0	0.0
-50		6	-	100%	Light Brown	Loose-Medium Dense				2.0 3.0 5.0	0.0
-55		7	-	100%	Light Brown-Orange	Loose	Fine-coarse SAND, little fine-medium gravel. No MGP impact.			4.0 2.0 0.0	0.0

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-60		8	-	100%	Light Brown	Medium Dense				1.0	0.0
-65		9	-	100%			Fine SAND, trace clay and silt. No MGP impact.	SM		0.0	0.0
-70		10	-	100%		Loose-Medium Dense	Fine SAND. No MGP impact.	SP		0.0	0.0
-75		11	-	N/A	White-Light Gray	Medium Dense	Fine SAND, trace silt. No MGP impact.	SM		0.0	0.0
-80		12	-	100%	Light Gray					0.0	0.0
-85					Orange-Brown						
							End of boring at 85' bgs.				
-90											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.

BORING NO. : HISB-104

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 3

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: Smith & Seely Streets

GROUNDWATER: ~26' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
				DIA.		Macrocore		
				WT.		2-inch		
				FALL				

DATE STARTED: 9/24/08

DATE FINISHED: 9/25/08

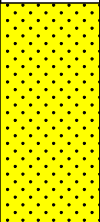

DRILLER: Kevin

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

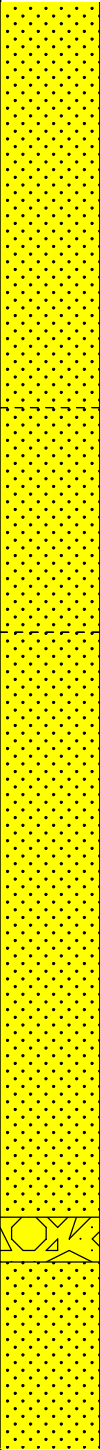
REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0							Borehole hand cleared from 0'-5' bgs. No sample collected.				
-5											
-10											
-15											
-20		1	-	63%	Light Brown	Loose	Fine-coarse SAND, little fine-medium gravel. No MGP impact.	SW		0.0	Dry 0.0
-25		2	-	67%		Medium Dense	Fine-coarse SAND, some fine-coarse			0.2 0.0	Wet 0.0

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. Borehole backfilled with cement-bentonite grout to grade. Borehole hand cleared from 0'-5' bgs. No samples collected until 20' bgs. Grain size sample collected from 30'-35' and 55'-60'. Discrete groundwater samples collected at 30'-34', 45'-49', and 55'-59'.

BORING NO. : HISB-104

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE				
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN				
-30		3	-	78%	Black Brown Light Brown	Loose-Medium Dense	gravel, trace silt at 25.5'. No MGP impact.				0.2				
												0.3			
													0.0	0.0	
-35		4	-	97%							Fine-coarse SAND, intervals of fine-coarse gravel. No MGP impact.			0.0	0.0
-40		5	-	87%			Loose				Fine-coarse SAND, trace fine-medium gravel. No MGP impact.			0.0	0.0
-45		6	-	85%			Medium Dense							0.0	0.0
-50		7	-	90%										0.0	0.0
-55		8	-	80%			Loose-Medium Dense				Fine-coarse SAND and GRAVEL. No MGP impact.	SW-GW		0.0	0.0
						Fine-coarse SAND, some fine-medium gravel. No MGP impact.	SW				0.0				

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. Borehole backfilled with cement-bentonite grout to grade. Borehole hand cleared from 0'-5' bgs. No samples collected until 20' bgs. Grain size sample collected from 30'-35' and 55'-60'. Discrete groundwater samples collected at 30'-34', 45'-49', and 55'-59'.

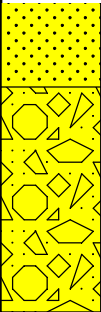
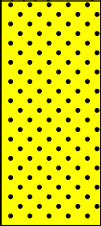
BORING NO. : HISB-104

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 3 OF 3

CLIENT: National Grid

JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
-60		9	-	87%			Fine-coarse SAND and GRAVEL, subangular-subrounded. No MGP impact.	SW-GW			0.0	0.0
-65		10	-	93%			Fine-medium SAND. No MGP impact. -clay lense from 67'-67.2'.	SW			0.0	0.0
-70							End of boring at 70' bgs.					
-75												
-80												
-85												
-90												

COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. Borehole backfilled with cement-bentonite grout to grade. Borehole hand cleared from 0'-5' bgs. No samples collected until 20' bgs. Grain size sample collected from 30'-35' and 55'-60'. Discrete groundwater samples collected at 30'-34', 45'-49', and 55'-59'.

BORING NO. : HISB-104

BORING NO. : HISB-106

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 4

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: Atlantic Avenue

GROUNDWATER: <25' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE	TIME	LEVEL	TYPE	TYPE	HSA	SAMPLER	CORE	TUBE
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DATE STARTED: 12/17/08

				DIA.	4 1/4"	2"		
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DATE FINISHED: 12/19/08

				WT.		140 lbs		
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DRILLER: C. Gazardo

				FALL		30"		
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GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY					

0							Borehole drilled to 25' bgs for first sample. No sample collected.				
-5											
-10											
-15											
-20											
-25		1	1, 3	17%	Light Brown	Medium Dense	Fine-coarse SAND, some fine gravel.	SW		0.0	Wet 0.0

COMMENTS: Boring advanced with a Canterra CT-450 Drill Rig and 6 1/4" hollow-stem augers. Sampled with 2" diameter split-spoon.

BORING NO. : HISB-106

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 2 OF 4

CLIENT: National Grid

JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	REMARKS		
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS							
-30 -35 -40 -45 -50 -55	[Yellow dotted pattern]	1	9, 16				No MGP impact.						
		2	5, 7	88%									
		3	5, 14							1.2	0-1		
		4	5, 6	46%									
		5	7, 14										
		6	12, 9	63%							0.0	0.0	
		7	10, 18										
		8	40, 24	63%			Dense	Fine SAND, trace fine gravel. No MGP impact.	SP GW				
		9	14, 15										
		10	3, 2	46%			Loose	Fine-medium GRAVEL, few fine sand. No MGP impact.	SP				
		11	5, 8								0.0	0.0	
		12	2, 5	58%			Medium Dense	Fine SAND, trace fine gravel. No MGP impact.	SW				
		13	10, 22				Black	Fine-coarse SAND and GRAVEL. No MGP impact.	GW				
		14	8, 6	54%			Gray	Fine-coarse SAND, trace-some fine-medium gravel. No MGP impact.	SW				
		15	10, 12									0.0	0.0
		16	9, 3	58%									
		17	3, 10										
18	4, 12												
19	2, 1	58%											
20	6, 12	100%			Gray-Brown	Dense	-slight burnt plastic/naphthalene-like odor.			0.0	0.0		
21	20, 25												
22	7, 5	75%				Medium Dense							
23	10, 16												
24	21, 32	50%				Very Dense							
25	18, 24									0.0	0.0		
26	14, 12	67%				Medium Dense	Fine-coarse GRAVEL, few fine sand. Slight burnt plastic/naphthalene-like odor.	GW SW					
27	10, 25												
28	7, 3	42%			Light Brown	Loose	Fine-medium SAND, trace fine-coarse gravel. Slight burnt plastic/naphthalene-like odor.						
29	3, 9												
30	6, 4	58%								0.0	0.0		
31	6, 12												
32	18, 20	71%				Very Dense	Fine SAND, trace fine gravel. Slight burnt plastic/naphthalene-like odor.	SP					

COMMENTS: Boring advanced with a Canterra CT-450 Drill Rig and 6 1/4" hollow-stem augers.
Sampled with 2" diameter split-spoon.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	REMARKS
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					
-60	[Yellow dotted pattern]		20, 26							0.3	0-1
		18	14, 9	58%		Medium Dense				0.8	3.0
	[Yellow dotted pattern]		15, 30		Light Gray					0.4	0.0
		19	8, 6	75%			Fine-coarse SAND, trace fine gravel. Faint burnt plastic/naphthalene-like odor.			0.0	
	[Yellow dotted pattern]		10, 18							0.3	
		20	12, 6	92%	Light Brown					0.0	
-65	[Yellow dotted pattern]		6, 14								
		21	7, 4	100%			Fine-medium SAND. Faint burnt plastic/naphthalene-like odor.			1.9	0.0
	[Yellow dotted pattern]		8, 18								
		22	20, 38	100%			-trace silt. -some fine-coarse gravel.			2.3	
	[Blue dotted pattern]		25, 36								
		23	12, 18	17%			Fine SAND, few silt and trace fine gravel. Faint burnt plastic/naphthalene-like odor.	SM		0.3	0.0
-70	[Blue dotted pattern]		38, 38								
		24	12, 22	58%			Fine SAND, trace silt from 71'-73'.			0.5	
	[Blue dotted pattern]		38, 46								
		25	3, 6	88%		Medium Dense	-burnt plastic/naphthalene-like odor from 73'-74'.			0.0	
	[Blue dotted pattern]		11, 16		Light Gray						
		26	38, 22	92%	Light Brown	Dense	-interbedded clay and silt layers.	SP		0.0	0.0
-75	[Yellow dotted pattern]		20, 26								
		27	17, 6	100%		Medium Dense	Fine SAND. No MGP impact, no odors.				
	[Yellow dotted pattern]		12, 25								
		28	6, 8	58%	Light Gray		-interbedded layers of clay and silt from 78.5'-79'.			0.0	0.0
-80	[Yellow dotted pattern]		10, 28								
		29	8, 5	92%			-trace coarse gravel.				
	[Yellow dotted pattern]		6, 16								
		30	12, 6	50%			Fine SAND. No MGP impact.				
	[Yellow dotted pattern]		12, 22								
		31	8, 4	100%	Brown					0.0	0.0
-85	[Yellow dotted pattern]		8, 20								
		32	7, 7	79%	Light Gray		-interbedded layers of clay and silt from 87.5'-88.5'.				
	[Yellow dotted pattern]		8, 24								
		33	6, 7	50%	Light Brown		Fine SAND, little clay and silt. No MGP impact.	SM		0.0	0.0
-90	[Blue dotted pattern]		10, 23								

COMMENTS: Boring advanced with a Canterra CT-450 Drill Rig and 6 1/4" hollow-stem augers. Sampled with 2" diameter split-spoon.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	REMARKS
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					
		34	6, 6 4, 12	29%	Light Gray	Loose	Fine SAND, few silt. No MGP impact.				
-95							End of boring at 93' bgs.				
-100											
-105											
-110											
-115											
-120											

COMMENTS: Boring advanced with a Canterra CT-450 Drill Rig and 6 1/4" hollow-stem augers.
 Sampled with 2" diameter split-spoon.

BORING NO. : HISB-108

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 3

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: Mirschel Park

GROUNDWATER: ~25' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 12/12/08

DIA. 2-inch

DATE FINISHED: 12/16/08

WT.

DRILLER: K. Kegel

FALL

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0							No samples taken to 25' bgs. Soil hand cleared from 0'-5'.				
-5							No samples taken. Drilled from 5'-25'.				
-10											
-15											
-20											
-25		1	-	50%	Orange-Brown	N/A	Fine-coarse SAND, some fine-coarse	SW		0.0	Wet 0.0

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. Borehole backfilled with cement-bentonite grout to grade.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
							gravel, trace silt. No MGP impact.				
-30		2	-	70%	Light Brown-Orange		Fine-coarse SAND, some-little fine-coarse gravel. No MGP impact.			0.0	0.0
-35		3	-	78%	Light Brown					0.0	0.0
-40		4	-	97%						0.1	0.0
-45		5	-	97%						0.0	0.0
-50		6	-	97%						0.0	0.0
-55		7	-	97%						0.0	0.0

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.

BORING NO. : HISB-108

PROJECT: National Grid MGP PDI, Hempstead, New York

SHEET: 3 OF 3

CLIENT: National Grid

JOB NO. : 11175065.00011

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-60	Yellow dotted pattern	8	-	75%						0.0	0.0
-65		9	-	97%			Fine-medium SAND. No MGP impact.	SP		0.0	0.0
-70		10	-	97%						4.0	0.0
-75	Yellow diagonal lines						Fine-medium SAND, trace clay lenses. No MGP impact.	SC		0.0	
-75		11	-	57%			Fine-medium SAND, few-trace silt, trace clay lenses. No MGP impact.	SM		0.0	0.0
-80	Blue dotted pattern	12	-	97%						0.0	0.0
-85		13	-	97%	Brown Black Light Gray	Hard	-gray banding and some clay seams from 84'-85'.			0.0	0.0
-90							Fine SAND, some silt. No MGP impact.				
							End of boring at 90' bgs.				

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.

BORING NO. : HISB-108

BORING NO. : HISB-110

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: Intersection Street

GROUNDWATER: ~29' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 10/30/08

DIA. 2-inch

DATE FINISHED: 10/30/08

WT.

DRILLER: B. Rath

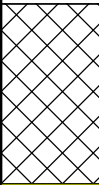
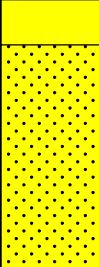
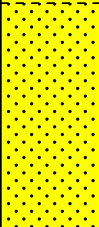
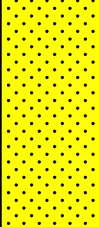
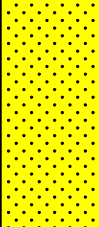





FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS


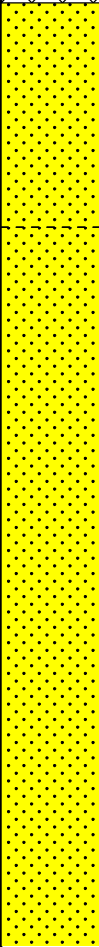










0		1	-	100%	Black	Loose	FILL. Fine-coarse sand, coal fragments, fine-medium gravel. No MGP impact.	FILL		0.0	Dry 0.0
-5		2	-	80%	Brown	Stiff	SILT.	ML		0.0	Moist
-10		3	-	73%	Tan-Light Gray	Loose	Fine-coarse SAND, little-some fine-medium gravel. No MGP impact.	SW		0.0	Dry 0.0
-15		4	-	65%	Light Brown	Loose-Medium Dense	Fine-coarse SAND, trace fine-medium gravel. No MGP impact.			0.0	0.0
-20		5	-	67%	Light Gray	Loose	-intervals of black petroleum staining, several thin 0.25" seams of black staining, moderate petroleum odor from 16'-20'.			50	0.0
-25		6	-	62%	Tan-Light Gray	Loose	-moderate black staining at 20'-23', moderate petroleum odor.			80	1.0
					Light Brown					100	1.0
										120	1.0

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Borehole hand cleared from 0'-5' bgs.

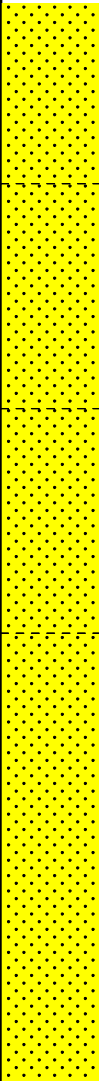

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30	[Yellow dotted pattern]	7	-	60%	Light Gray	Medium Dense	-gray coating, staining, strong petroleum odor from 27'-29'. Fine-coarse SAND, trace fine-medium gravel. No MGP impact.				170
					Brown						145
-35	[Yellow dotted pattern]	8	-	62%	Light Brown	Loose	-brown NAPL staining, light coating, strong naphthalene-like odor from 29'-30'. Fine-coarse SAND, trace fine-coarse gravel. No MGP impact.				130
-40	[Yellow dotted pattern]	9	-	57%	Light Gray						2.0
											Light Brown
-45	[Yellow dotted pattern]	10	-	55%	Light Gray						2.0
											Light Brown
-50	[Yellow dotted pattern]										7.0
-55	[Yellow dotted pattern]										10
											0.0
											0-2
											0-1
							End of boring at 50' bgs.				

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Borehole hand cleared from 0'-5' bgs.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York						BORING NO. : HISB-111					
CLIENT: National Grid						SHEET: 1 OF 2					
BORING CONTRACTOR: F + N						JOB NO. : 11175065.00011					
GROUNDWATER: ~28-29' bgs						BORING LOCATION: Intersection Street					
CAS.						GROUND ELEVATION: N/A					
SAMPLER: Macrocore						DATE STARTED: 10/30/08					
CORE: 2-inch						DATE FINISHED: 10/30/08					
TUBE: FALL						DRILLER: B. Rath					
* POCKET PENETROMETER READING						GEOLOGIST: J. Harshman					
						REVIEWED BY: K. Connare					
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Loose	FILL. Fine-medium silty sand, some fine-coarse gravel. -black staining and slight petroleum odor at 5'.	FILL		0.0	Moist 0.0
-5		2	-	62%	Tan-Light Gray Brown		Fine-medium SAND, little fine-medium gravel. Black staining and petroleum odor from 5'-6'. Thin seams of black petroleum staining with faint petroleum odor from 7.5'-8'.	SW	   	1.0 5.0 8.0 7.0	Dry 0.0
-10		3	-	67%	Light Brown		Fine-coarse SAND, little fine-medium gravel. Intervals of black staining, faint petroleum odor.			5-10	0.0
-15		4	-	60%	Tan-Light Gray		-numerous thin seams of black staining from 15'-18' with moderate petroleum odor.			20 75 150	0.0
-20		5	-	60%			-black staining with moderate petroleum odor from 20'-22', light coating of grains.		 	100 175 180	0.0
-25		6	-	55%	Light Brown		-trace black staining from 25'-26', lightly coated with strong petroleum odor.		 	100 100-200	0-1

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Borehole backfilled with cement-bentonite grout to grade.
Borehole hand cleared from 0'-5' bgs.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30		7	-	55%			Fine-medium SAND, little fine-medium gravel. Black staining and slight coating, moderate naphthalene-like odor.			150-200	Wet 1-2
-35		8	-	52%	Light Gray	Loose-Medium Dense		Fine-coarse SAND, trace-little fine gravel. Brown staining, trace NAPL coating, faint naphthalene-like odor from 35'-37'.		250	1.0
-40		9	-	65%	Light Brown			Fine-medium SAND, trace fine-medium gravel. No MGP impact.		15	0.0
-45		10	-	60%						10	0.0
-50							End of boring at 50' bgs.			0.0	0.0
-55											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Borehole hand cleared from 0'-5' bgs.

BORING NO. : HISB-112

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: Intersection Street

GROUNDWATER: ~28-29' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 10/31/08

DIA. 2-inch

DATE FINISHED: 10/31/08

WT.

DRILLER: B. Rath


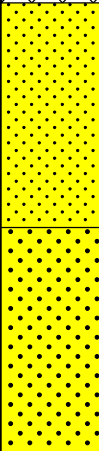
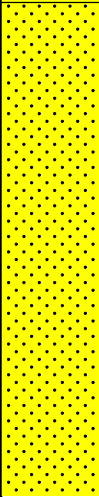

FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Loose-Medium Dense	FILL. Loamy fine sand, some silt. No MGP impacts.	FILL		0.0	Moist 0.0			
-5		2	-	68%	Light Brown	Loose	Fine-coarse SAND, some fine-medium gravel. No MGP impact.	SP		2.0	Moist-Dry 0.0			
-10		3	-	58%			Fine-medium SAND, trace fine gravel. No MGP impact.	SW		3.0				
-15		4	-	57%	Light Gray-Light Brown	Medium Dense	Fine-coarse SAND, trace-little fine-medium gravel. Light coating of petroleum, moderate petroleum odor from 15'-25'.	SP		70	0.0			
-20		5	-	55%			-heavy coating of clear oil and strong petroleum odor from 25'-32'			135	90	75	100	0-1
-25		6	-	58%						130	140	102	100	140

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Borehole hand cleared from 0'-5' bgs.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN	
-30	[Yellow dotted pattern]	7	-	62%								
-35		8	-	N/A		Loose	Fine-coarse SAND, trace fine-medium gravel. Faint naphthalene-like odor.	SW			0.0	
-40		9	-	N/A	Brown-Light Brown		Fine-medium SAND, trace fine-medium gravel. No MGP impact noted.				0.0	
-45		10	-	N/A							0.0	
-50							End of boring at 50' bgs.					

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Borehole hand cleared from 0'-5' bgs.

BORING NO. : HISB-113

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 2

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: F + N

BORING LOCATION: Intersection Street

GROUNDWATER: ~30' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 10/31/08

DIA. 2-inch

DATE FINISHED: 10/31/08

WT.

DRILLER: K. Kegel

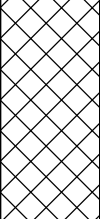
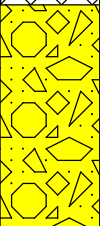
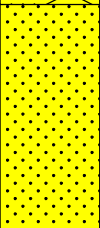
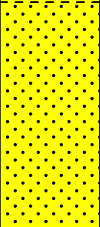
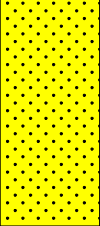


FALL

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY					ROCK HARDNESS

0		1	-	100%	Dark Brown	Medium Dense	FILL. Fine-medium SAND, some clay, trace fine-medium angular gravel. No MGP impacts.	FILL		0.0	Moist 0.0
-5		2	-	82%	Light Brown	Loose-Medium Dense	Fine-coarse GRAVEL and SAND. No MGP impacts.	SW-GW		0.0	0.0
-10		3	-	82%	Orange-Light Brown	Loose	Fine-medium SAND, some fine-medium gravel, trace silt. No MGP impact.	SW		0.0	Dry 0.0
-15		4	-	82%			Fine-medium SAND, some fine-medium gravel. No MGP impact.			0.0	0.0
-20		5	-	72%			-trace silt from 22'-25'.			0.0	0.0
-25		6	-	72%	Gray		Fine-medium GRAVEL and SAND.	SW-GW		50.6	Moist

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Borehole hand cleared from 0'-5' bgs.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30		7	-	83%	Tan	Very Stiff	Moderate-heavy oil coating and staining, moderate petroleum odor.			65.7	1.0
											85.4
-35		8	-	83%	Brown	Medium Dense	CLAY, trace fine gravel. Slight petroleum odor.	CL		64	0.0
											8.4
-40		9	-	83%	Orange-Brown	Loose-Medium Dense	Medium-coarse SAND, little fine-medium gravel. Trace silt from 35'-38'. Moderate petroleum odor and staining to 35'. Faint petroleum odor from 35'-38'.	SW		8.7	0.0
											8.4
-45		10	-	88%			Fine-coarse GRAVEL, some fine-coarse sand. Faint petroleum odor.	GW		8.4	0.0
											10.4
-50							Fine-medium SAND, trace fine gravel and silt. Faint petroleum odor.	SW		3.4	0.0
											5.0
-55							Medium-coarse SAND and GRAVEL. No impact noted.	SW-GW		10	0.0
											0.8
-55							Fine-coarse SAND, trace fine-coarse gravel. No impact.	SW		0.7	0.0
											1.1
-55							Medium GRAVEL, some coarse sand. No impact.	GP		2.3	0.0
											3.4
-55							Fine-coarse SAND, trace fine-medium gravel. No impact.	SW		5.3	0.0
							End of boring at 50' bgs.				

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Borehole backfilled with cement-bentonite grout to grade.
 Borehole hand cleared from 0'-5' bgs.

BORING NO. : HISB-116

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 4

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: N/A

CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE TIME LEVEL TYPE TYPE Macrocore

DATE STARTED: 6/23/09

DIA. 2-inch

DATE FINISHED: 6/23/09

WT.

DRILLER: Evan Moriatis

FALL

GEOLOGIST: J. Harshman

* POCKET PENETROMETER READING

REVIEWED BY: K. Connare

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP	PID	MOISTURE
		NO.	BLOW COUNT	RQD%		CONSISTENCY			ROCK HARDNESS		COLOR CODE

0											
-5											
-10											
-15											
-20											
-25											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe. Groundwater sampled with Hydropunch at specified intervals.
 Boring backfilled with cement-bentonite grout to grade.
 Groundwater Plume Delineation/Design Criteria = 100 ug/L for Total BTEX and Total PAHs.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-30		1	-	-	-	-	Groundwater samples analyzed for Total BTEX and Total PAHs. Total BTEX = ND Total PAH = ND	-		-	Wet
-35											
-40		2	-	-	-	-	Groundwater samples analyzed for Total BTEX and Total PAHs. Total BTEX = ND Total PAH = ND	-		-	Wet
-45											
-50		3	-	-	-	-	Groundwater samples analyzed for Total BTEX and Total PAHs. Total BTEX = 1.3 ug/L Total PAH = ND	-		-	Wet
-55											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe. Groundwater sampled with Hydropunch at specified intervals.
 Boring backfilled with cement-bentonite grout to grade.
 Groundwater Plume Delineation/Design Criteria = 100 ug/L for Total BTEX and Total PAHs.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
-60		4	-	-	-	-	Groundwater samples analyzed for Total BTEX and Total PAHs. Total BTEX = 103 ug/L Total PAH = 199 ug/L	-		-	Wet
-65											
-70		5	-	-	-	-	Groundwater samples analyzed for Total BTEX and Total PAHs. Total BTEX = 5.5 ug/L Total PAH = 37 ug/L	-		-	Wet
-75											
-80		6	-	-	-	-	Groundwater samples analyzed for Total BTEX and Total PAHs. Total BTEX = 90.8 ug/L Total PAH = 330 ug/L	-		-	Wet
-85											
-90											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe. Groundwater sampled with Hydropunch at specified intervals.
 Boring backfilled with cement-bentonite grout to grade.
 Groundwater Plume Delineation/Design Criteria = 100 ug/L for Total BTEX and Total PAHs.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	MOISTURE
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					HCN
		7	-	-	-	-	Groundwater samples analyzed for Total BTEX and Total PAHs. Total BTEX = 99.9 ug/L Total PAH = 451 ug/L	-		-	Wet
-95											
-100		8	-	-	-	-	Groundwater samples analyzed for Total BTEX and Total PAHs. Total BTEX = 291.5 ug/L Total PAH = 604 ug/L	-		-	Wet
-105											
-110											
-115											
-120											

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe. Groundwater sampled with Hydropunch at specified intervals.
 Boring backfilled with cement-bentonite grout to grade.
 Groundwater Plume Delineation/Design Criteria = 100 ug/L for Total BTEX and Total PAHs.

BORING NO. : IPR-30

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York

SHEET: 1 OF 3

CLIENT: National Grid

JOB NO. : 11175065.00011

BORING CONTRACTOR: Zebra

BORING LOCATION: N/A

GROUNDWATER: ~20' bgs CAS. SAMPLER CORE TUBE

GROUND ELEVATION: N/A

DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2-inch		
				WT.				
				FALL				

DATE STARTED: 7/18/09

DATE FINISHED: 7/18/09

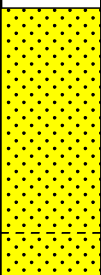

DRILLER: E. Moraitis

GEOLOGIST: M. Dascoli

* POCKET PENETROMETER READING

REVIEWED BY: J. Boyd

DEPTH FEET	STRATA	SAMPLE NO.	REC% RQD%	COLOR	SOIL CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
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0						No samples collected from 0'-20'.							
-20		1	52%	Brown	N/A	Fine-medium SAND, trace fine gravel. Strong naphthalene-like odor.	SW		32.4	4.0	1.0	Wet	
									15.3	3.0	1.0		
										47.8	4.0		1.0
										247	6.0		1.0
										340	4.0		2.0
-25		2	50%			Fine-coarse SAND, trace fine gravel.			153	0.0	0.0		

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
Boring backfilled with cement-bentonite grout to grade.
Sampling begins at 20' bgs.

BORING NO. : IPR-30

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							
						Fine-medium SAND. 2-inches of black NAPL staining at 27'. Black 1/4"-2" lenses of heavy NAPL coating, sheen, and strong naphthalene-like odor from 28'-29'	SP		228	42	5.0	
									243	64	7.0	
									295	82	7.0	
									395	102	8.0	
									512	17	1.0	
-30		3	43%	Light Brown		Fine SAND, little silt. Black 1/4"-2" lenses of heavy NAPL coating, sheen, and strong naphthalene-like odor from 29'-29.5'.			221	9.0	0-1	
				Dark Brown					76.1	7.0	0.0	
									96.2	7.0	0.0	
									161	6.0	0.0	
-35		4	25%	Light Brown-Gray		Fine SAND, little silt. Strong naphthalene-like odor throughout. Dark brown NAPL saturation and product from 30.5'-31.25'. Dark brown NAPL saturation from 32'-32.5'. NAPL sheen from 31.25'-33'.			132	3.0	0.0	
				Brown			SW		187	6.0	0.0	
									113	7.0	0.0	
							ML		48.3	13	0.0	
									42.2	12	0.0	
-40		5	43%	Light Brown		SILT, little fine sand. Moderate-strong naphthalene-like odor.	SW		4.3	0.0	0.0	
									0.2	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
-45		6	23%			Fine-coarse SAND, trace fine gravel. No MGP impacts noted.			0.0	0.0	0.0	
									5.7	0.0	0.0	
									1.3	0.0	0.0	
									0.3	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
-50		7	33%		Loose				0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	
-55		8	3%			Fine SAND, some silt. No MGP impacts.	SM		0.0	0.0	0.0	
									0.0	0.0	0.0	
									0.0	0.0	0.0	

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 20' bgs.

DEPTH FEET	STRATA	SAMPLE NO.	REC%	COLOR	SOIL CONSISTENCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
			RQD%		ROCK HARDNESS							
-60	[Patterned]	9	57%			Fine-medium SAND, trace fine gravel. Faint naphthalene-like odor.	SW	[Yellow]	0.0	0.0	0.0	
						Fine-coarse SAND, little fine-coarse gravel. No MGP impacts.			1.4	1.0	0.0	
						Fine-medium SAND. No MGP impacts.	SP		0.4	0.0	0.0	
				Dark Brown	Very Dense	Fine-medium SAND. No MGP impacts.	ML		0.2	1.0	0.0	
									0.0	4.0	0.0	
-65	[Patterned]	10	25%	Light Brown		Fine SAND and SILT, little clay. No MGP impact.	SM	[Yellow]	14.9	1.0	0.0	
						Fine SAND, some silt. Faint naphthalene-like odor.			9.6	1.0	0.0	
						Fine SAND, some silt. No MGP impact.			11.1	4.0	0.0	
									13.9	5.0	0.0	
									8.3	5.0	0.0	
-70	End of boring at 70' bgs.											
-75												
-80												
-85												
-90												

COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.
 Boring backfilled with cement-bentonite grout to grade.
 Sampling begins at 20' bgs.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York					BORING NO. : ISS-01					
CLIENT: National Grid					SHEET: 1 OF 3					
BORING CONTRACTOR: F + N					JOB NO. : 11175065.00011					
GROUNDWATER: ~25' bgs					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION: N/A	
DATE	TIME	LEVEL	TYPE	TYPE	HSA	Split-spoon			DATE STARTED: 9/15/08	
				DIA.	4 1/4"	2"			DATE FINISHED: 9/16/08	
				WT.		140 lbs			DRILLER: Charlie	
				FALL		30"			GEOLOGIST: J. Harshman	
* POCKET PENETROMETER READING								REVIEWED BY: K. Connare		

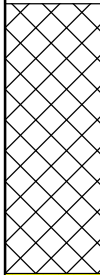
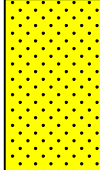
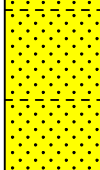
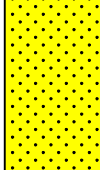
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	REMARKS	
		NO.	BLOW COUNT	RQD%		CONSISTENCY						ROCK HARDNESS
0							Borehole hand cleared from 0'-5' bgs.					
-5	[Cross-hatched pattern]	1	5, 3 5, 10	54%	Black-Brown	Loose	FILL. Fine sand with some coal & brick fragments, fine gravel. Slight naphthalene-like odor.	FILL	[Yellow box]	3.6	Dry 1.0 Moist	
		2	5, 5 3, 4	50%	Brown		-black staining from 6'-7'.			3.0	Dry	
-10	[Yellow dotted pattern]	3	16, 22 22, 30	0%		Dense	FILL. Fine sand, trace fine gravel. No MGP impact noted.					
		4	6, 18 24, 30	75%	Orange-Brown		Fine-coarse SAND and fine-coarse GRAVEL. No MGP impact.	SW-GW		1.7		
		5	9, 21 34, 30	67%		Very Dense	Fine-coarse SAND, trace-little gravel. No MGP impact.	SW		0.6	0-2	
		6	20, 20 24, 25	67%		Dense				3.0	0-1	
		7	8, 10 16, 22	58%		Medium Dense				1.0	0-2	
		8	5, 10 15, 11	54%								0-1
		9	5, 8 15, 30	63%	Orange-Red					0.0	0.0	
		10	3, 12 20, 16	67%	Orange-Dark Brown	Dense	Fine-coarse SAND, little-some fine-coarse gravel. No MGP impact.			1.6	0-2	
-25		11	1, 3 6, 12	67%	Brown-Light Brown	Loose	Fine-coarse SAND, trace fine gravel. Slight naphthalene-like odor, light coating, and black and brown staining.		[Teal box]	28	3.0 Wet	

COMMENTS: Boring advanced with a Cantera truck-mounted drill rig using a 4 1/4" ID hollow-stem augers. Sampling performed with 2" diameter split spoon samplers. Sample ISS-01/22-24 and ISS-01/44-46 collected for Moisture Content. Boring backfilled with cement-bentonite grout to grade. Borehole hand cleared from 0'-5' bgs.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	REMARKS		
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS							
		12	5, 4 12, 22	75%	Brown-Light Brown	Medium Dense	-black staining, slight naphthalene-like odor, moderate NAPL coating at 27'.	SP		10	0-0		
		13	5, 15 25, 25	83%		Dense				Fine SAND, trace fine gravel. Strong naphthalene-like odor. Thin bands of NAPL saturation from 28'-30'.		377	
-30		14	5, 4 6, 18	79%		Loose							380
		15	4, 12 22, 30	92%	Brown-Light Brown	Dense	-black staining and NAPL saturation at 31'.	SW		75	0.0		
		16	6, 6 6, 5	96%		Medium Dense				Fine-medium SAND, trace fine gravel. Slight naphthalene-like odor. -NAPL sheen from 34'-36'.		350	0.0
-35		17	4, 2 3, 14	58%		Loose	Fine-coarse SAND, some fine-coarse gravel. Little black staining, moderate naphthalene-like odor, light NAPL sheen.		80				
		18	2, 2 9, 8	50%		Medium Dense				0.6			
-40		19	33, 25 22, 22	67%	Light Brown	Dense	Medium-coarse GRAVEL, trace fine sand. No MGP impacts noted.	GW		0.0	0.0		
		20	50, 20 16, 18	54%			Fine-medium SAND, trace gravel. No MGP impact.	SW					
							Fine-coarse SAND and GRAVEL. No MGP impact.	SW-GW					
-45		21	22, 14 9, 9	58%	Brown-Light Brown	Medium Dense	Fine-medium SAND, some medium-coarse gravel. No MGP impact.	SW		0.0	0.0		
		22	21, 14 10, 10	71%									
		23	8, 14 16, 24	75%		Dense	-little fine-coarse gravel. Trace black NAPL staining and naphthalene-like odor from 48.5'-50'.	SW-GW		6.0			
-50		24	49, 28 18, 15	50%			Fine-medium SAND and GRAVEL. No MGP impact.				0.0	0.0	
		25	24, 9 7, 15	54%	Medium Dense	-sheen from 52.5'-54'.							
-55		26	21, 14 10, 10	75%	Light Brown		-coarse gravel at 55'.	SW		0.0			
		27	4, 7 18, 13	67%			Fine-coarse SAND, trace coarse gravel. No MGP impact.						

COMMENTS: Boring advanced with a Cantera truck-mounted drill rig using a 4 1/4" ID hollow-stem augers. Sampling performed with 2" diameter split spoon samplers. Sample ISS-01/22-24 and ISS-01/44-46 collected for Moisture Content. Boring backfilled with cement-bentonite grout to grade. Borehole hand cleared from 0'-5' bgs.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York					BORING NO. : ISS-02						
CLIENT: National Grid					SHEET: 1 OF 2						
BORING CONTRACTOR: F + N					JOB NO. : 11175065.00011						
GROUNDWATER: ~25' bgs					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION: N/A		
DATE	TIME	LEVEL	TYPE	TYPE	HSA	Split-spoon			DATE STARTED: 9/19/08		
				DIA.	4 1/4"	2"			DATE FINISHED: 9/19/08		
				WT.		140 lbs			DRILLER: Charlie		
				FALL		30"			GEOLOGIST: J. Harshman		
* POCKET PENETROMETER READING								REVIEWED BY: K. Connare			
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY					

0							Borehole hand-cleared from 0'-5' bgs.				
-5		1	14 9 5 4	13%	Dark Brown	Medium Dense	FILL. Fine-coarse sand with little fine gravel, some brick fragments, trace coal.	FILL		0.0	Dry 0.0
		2	5 2 3 5	50%		Loose				2.0	
		3	12 4 4 12	83%	Light Brown-Orange	0.4					
-10		4	5 10 17 24	100%	Dark Brown	Medium Dense	Fine-coarse SAND, trace fine gravel. No MGP impact.			0.0	0.0
		5	15 11 20 28	79%		Dense					
-15		6	12 24 28 28	100%	Light Brown-Brown	Very Dense	Fine-coarse SAND, trace-little fine gravel. No MGP impact.				0.0
		7	12 15 14 18	83%		Medium Dense				Fine-coarse SAND, little fine-medium gravel. Moderate naphthalene-like odor, brown staining and slight NAPL coating.	SW
		8	9 14 22 28	79%	Dense	100-200	0-1				
-20		9	18 20 20 26	83%						150-300	1.0
		10	12 24 24 26	83%							0-1
		11	6 8 12 15	79%		Medium Dense				300-700	Wet 1-4
-25							-slight-moderate NAPL coating from 25'-25.5', strong naphthalene-like				


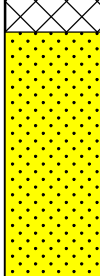

COMMENTS: Boring advanced with a Cantera truck-mounted drill rig using a 4 1/4" ID hollow-stem augers. Sampling performed with 2" diameter split spoon samplers. Sample ISS-02/20-22' and ISS-02/32-34' collected for Moisture Content. Boring backfilled with cement-bentonite grout to grade. Borehole hand cleared from 0'-5' bgs.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	REMARKS
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS					
-30	[Yellow dotted pattern]	12	9 10 15 20	100%	Light Brown	Very Dense	odor, staining.	SM	[Olive green]	400-600	1-3
		13	10 20 30 40	100%			-slight-moderate NAPL coating from 28'-30'.			1750	1-5
		14	4 6 20 24	83%			-moderate NAPL coating from 30'-31'.			1850	24
		15	8 12 12 16	92%			Fine SILTY SAND. Bands of NAPL saturation, strong naphthalene-like odor, 31'-33'. -moderate NAPL coating and blebs from 33'-34'.			500	8.0
-35	[Yellow dotted pattern]	16	9 15 18 22	100%		Dense	Fine-medium SAND. Slight naphthalene-like odor, light NAPL sheen.	SP	[Teal]	30-80	1.0
-40							End of boring at 36' bgs.				
-45							Drill cuttings from 10'-35' bgs collected into four 5-gallon buckets for bench scale tests.				
-50											
-55											

COMMENTS: Boring advanced with a Cantera truck-mounted drill rig using a 4 1/4" ID hollow-stem augers. Sampling performed with 2" diameter split spoon samplers. Sample ISS-02/20-22' and ISS-02/32-34' collected for Moisture Content. Boring backfilled with cement-bentonite grout to grade. Borehole hand cleared from 0'-5' bgs.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York					BORING NO. : ISS-03					
CLIENT: National Grid					SHEET: 1 OF 2					
BORING CONTRACTOR: F + N					JOB NO. : 11175065.00011					
GROUNDWATER: ~25' bgs					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION: N/A	
DATE	TIME	LEVEL	TYPE	TYPE	HSA	Split-spoon			DATE STARTED: 9/22/08	
				DIA.	4 1/4"	2"			DATE FINISHED: 9/22/08	
				WT.		140 lbs			DRILLER: Charlie	
				FALL		30"			GEOLOGIST: J. Harshman	
					* POCKET PENETROMETER READING				REVIEWED BY: K. Connare	

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY					

0							Interval pre-cleared with hand tools to 5' bgs.				
-5		1	27 25 14 5	38%	Black	Dense	FILL. Fine-coarse sand and gravel, some ash-like material, coal fragments to 6.5'. No MGP impact.	FILL		2.5	Dry 0.0
		2	3 5 6 6	67%	Light Brown	Medium Dense	Fine-coarse SAND, some-trace fine-coarse gravel. No MGP impact.	SW		1.5	0-1
		3	14 10 10 14	63%							
-10		4	10 7 12 20	79%							0-1
		5	12 12 14 24	75%	Brown-Black	Very Dense	Fine-coarse SAND, trace fine gravel. Slight naphthalene-like odor.			6.0	
-15		6	12 24 27 28	67%							10
		7	8 20 20 18	67%		Dense	Fine-coarse SAND, some fine-coarse gravel. Black and brown NAPL staining, moderate naphthalene-like odor.			60	1.0
		8	8 10 12 16	67%		Medium Dense	-light NAPL coating from 18'-22'.				0-1
-20		9	10 11 12 9	67%						100	1.0
		10	8 8 8 12	75%	Orange-Brown		Fine-coarse SAND, little fine-coarse gravel. Little black NAPL staining, slight naphthalene-like odor. Thin bands of black staining from 22.5'-24'.				
-25		11	8 10 14 14	67%			Fine-coarse SAND and GRAVEL. Moderate naphthalene-like odor.	SW-GW		100	Wet

COMMENTS: Boring advanced with a Cantera truck-mounted drill rig using a 4 1/4" ID hollow-stem augers. Sampling performed with 2" diameter split spoon samplers. Sample ISS-03/18-20' and ISS-03/32-34' collected for Moisture Content. Boring backfilled with cement-bentonite grout to grade. Borehole hand cleared from 0'-5' bgs.

DEPTH FEET	STRATA	SAMPLE		REC %	COLOR	SOIL CONSISTANCY	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	REMARKS	
		NO.	BLOW COUNT	RQD %		ROCK HARDNESS						
-30	[Yellow dotted pattern]	12	5 6 7	83%	Light Brown	Dense	Fine-medium SAND, trace fine gravel. Slight-moderate NAPL coating, strong naphthalene-like odor at 28'.	SW	[Teal]	113	0-1	
		13	8 14 17 25	100%								
		14	7 17 22 26	88%		Medium Dense	-trace silt. Slight NAPL coating, strong naphthalene-like odor, brown NAPL staining in thin bands from 28'-30'. -brown NAPL staining, coating and naphthalene-like odor from 30'-32'. Dark brown stringers of NAPL. -brown NAPL staining, thin lenses of NAPL saturation, strong naphthalene-like odor from 32'-34'.	145	0.0			
		15	4 4 14 16	100%								
-35	[Yellow dotted pattern]	16	6 9 14 18	100%	Brown	-light NAPL coating, strong naphthalene-like odor from 34'-36', NAPL saturation in thin lens at 35'. -slight naphthalene-like odor from 36'-38', slight NAPL coating from 36'-36.5'.	SW	[Teal]	87	14	2.0	
		17	8 12 15 20	83%								
		18	5 9 15 24	100%								
-40	[Yellow dotted pattern]	19	2 2 10 15	67%	Light Brown-Gray	Dense	Fine SAND, trace gravel. DNAPL stringers from 39'-39.5'. Slight naphthalene-like odor.	SW	[Teal]	40	2.0	
		20	35 16 16 16	83%								
-45	[Yellow dotted pattern]	21	7 9 9 20	75%	Light Brown	Medium Dense	Fine-coarse SAND, little fine-coarse gravel, trace cobbles. Thin lens of NAPL saturation at 42'. NAPL staining, coating, blebs, sheen, and moderate naphthalene-like odor. -several lenses of NAPL saturation, moderate naphthalene-like odor from 44'-46'.	SW	[Teal]	30	30-60	1.0
		22	24 12 12 20	50%								
		23	7 2 2 10	50%		Very Loose	Fine-coarse SAND. NAPL sheen, slight naphthalene-like odor.	GW	[Brown]	4.0	5.0	
-50	[Yellow dotted pattern]											
-55							Fine-coarse SAND, trace fine-coarse gravel, trace cobble. Slight NAPL coating, sheen, slight naphthalene-like odor.					
							End of boring at 50' bgs. Drill cuttings from 10'-50' placed into four 5-gallon buckets for bench scale tests.					

COMMENTS: Boring advanced with a Cantera truck-mounted drill rig using a 4 1/4" ID hollow-stem augers. Sampling performed with 2" diameter split spoon samplers. Sample ISS-03/18-20' and ISS-03/32-34' collected for Moisture Content. Boring backfilled with cement-bentonite grout to grade. Borehole hand cleared from 0'-5' bgs.

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York					BORING NO. : ISS-04					
CLIENT: National Grid					SHEET: 1 OF 2					
BORING CONTRACTOR: F + N					JOB NO. : 11175065.00011					
GROUNDWATER: ~22' bgs					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION: N/A	
DATE	TIME	LEVEL	TYPE	TYPE	HSA	Split-spoon			DATE STARTED: 10/4/08	
				DIA.	4 1/4"	2"			DATE FINISHED: 10/4/08	
				WT.		140 lbs			DRILLER: Charlie	
				FALL		30"			GEOLOGIST: J. Harshman	
					* POCKET PENETROMETER READING				REVIEWED BY: K. Connare	

DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL	MATERIAL DESCRIPTION	USCS	MGP COLOR CODE	PID	REMARKS
		NO.	BLOW COUNT	RQD%		CONSISTENCY					

0							Borehole hand-cleared from 0'-4' bgs.				
-5		1	12 5 9 14	67%	Dark Brown	Medium Dense	Fine-coarse SAND, trace little fine-medium gravel. No MGP impact.	SW		0.0	Dry 0-1
		2	9 25 32 34	100%	Light Brown	Very Dense				2.3	0.0
		3	11 12 12 7	92%		Medium Dense				4.0	
-10		4	8 14 21 24	75%	Dark Brown	Dense	-faint naphthalene-like odor from 10'-16'.			8.0	0.0
		5	10 20 30 32	75%	Light Brown	Very Dense				25	
-15		6	14 22 22 24	75%	Light Brown-Orange	Dense				85	1.0
		7	8 14 15 22	79%		Medium Dense	-moderate naphthalene-like odor from 16'-18'.			300	0.0
		8	7 18 34 37	75%	Light Brown	Very Dense	-trace coarse sand, moderate naphthalene-like odor and trace staining from 18'-20'.			400	
-20		9	10 12 20 25	100%		Dense	-moderate naphthalene-like odor from 20'-22'.				1.0
		10	6 10 14 18	75%		Medium Dense	-light NAPL coating on gravel, trace NAPL sheen and brown staining, moderate naphthalene-like odor from 22'-24'.			500	Wet 0.0
-25		11	4 9 14 4	75%			-trace NAPL coating, naphthalene-like odor and sheen from 24'-27'.				2.0

COMMENTS: Boring advanced with a Cantera truck-mounted drill rig using a 4 1/4" ID hollow-stem augers. Sampling performed with 2" diameter split spoon samplers. Sample ISS-04/18-20' and ISS-04/32-34' collected for Moisture Content. Boring backfilled with cement-bentonite grout to grade. Borehole hand cleared from 0'-4' bgs.



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(716) 856-5636

TEST PIT LOG

PROJECT: Hempstead MGP PDI		Sheet 1 of 1	
CLIENT: National Grid		JOB NUMBER: 11175065.00011	
CONTRACTOR: Entact		LOCATION: East side of Sold Property, Hempstead, NY	
DATE STARTED: 9/17/2008		OPERATOR: Entact	
DATE COMPLETED: 9/17/2008		GEOLOGIST: J. Harshman	
TRENCH NUMBER: TP-105		WEATHER: Sunny, calm-light breeze, 70°	
DEPTH (FT)	USCS	DESCRIPTION	PID
1	Fill ↓	FILL. Dark brown loamy soil with fill material, concrete, metal pipe, ALM (ash-like material) debris, black cinder, orange sand and gravel. Dry. Slight MGP odor. -Concrete block encountered (2' X 2'). Old clay stormdrain pipe containing oil water with sheen. Limited amount of water contained in old pipe at 4' bgs. -Old clay stormdrain pipe containing oily water with sheen. Limited amount of water contained in old pipe.	0-1 ppm ↓
2			0-3 ppm ↓
3			↓
4			↓
5			↓
6			↓
7	SP ↓	Light brown fine-coarse SAND with fine-coarse gravel. Dry. No MGP impacts or subsurface structures encountered.	0 ppm ↓
8			↓
9			↓
10		Bottom of Test Pit at 9' bgs.	
11			
12			
13			
COMMENTS: -Test pit excavated with a track-mount excavator. -No sustained PID readings in ambient air. No sustained PID or CAMP readings. -Pit dimensions are approximately 20' long X 5' wide X 9' deep.			