





			T	R	S co	rnora	tion					RING	LOG	<u> </u>
DDO IE	OT/DDO IF	OT 1 00								BORING NO. :	DGP-1			
		CILOC	AHO			GP PDI,	Hempstead, N	New York	(SHEET:	1 OF			
CLIENT					nal Grid					JOB NO. :		065.000 ⁻	11	
	G CONTRA			F + N						BORING LOCATION:		<u>-</u>		
	NDWATER:	1		N/A		CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATIO		<u></u>		
DATE	TIME	LEVE	EL	TYPE	TYPE		Macrocore			DATE STARTED:	11/12/			
					DIA.		2-inch			DATE FINISHED:	11/12/			
		<u> </u>			WT.	 				DRILLER:	K. Keg			
					FALL					GEOLOGIST:		shman		
					* P	OCKET P	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Cor	nare		
		Si	AMPL	.E	REC%		SOIL			ATERIAL		MGP		MOISTURE
DEPTH FEET	STRATA	NO.		LOW		COLOR	CONSISTENCY ROCK			ATERIAL SCRIPTION	uscs	COLOR	PID	
			CC	TNUC	RQD%		HARDNESS					CODE		HCN
														•
0-	KXXX	1		-	78%	Black	Dense		Da al fua au	and the	FILL		0.0	Dry
4								materia	Joai fragn ıl (ALM), f	nents, ash like ïne sand, trace				0.0
									No MGP					0.0
1	V V V				-	Dark Brown	Stiff	SILT. I	No MGP i	mpact.	ML			
-					-	Yellow-								
-5 —						Orange								
4								End of	boring at	5' bgs.				
1														
+														
-10 —														
4														
1														
1														
+														
-15														
1														
+														
+														
-20 —														
1														
+														
4														
-25 —														
							n Geoprobe an	d sample	d with a 2	" diameter macrocore.				
Bore	hole backfill	led with	ceme	nt-benton	ite grout to	grade.								

			T'	Ф	Co		.=			TES	T BO	RING	LOG	Ì
			U		J Co	rpora	ation			BORING NO. :	DGP-	201		
PROJE	CT/PROJE	CT LOC	ATION	I: Natior	nal Grid M	IGP PDI,	Hempstead, I	New York	T	SHEET:	1 OF	2		
CLIENT	Γ:			Nation	nal Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:		F + N						BORING LOCATION:	Wydle	r & Wen	dell Stre	ets
GROUN	IDWATER:			~23' b	gs.	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATIO	N:N/A			
DATE	TIME	LEVI	EL	TYPE	TYPE		Macrocore			DATE STARTED:	10/29	/08		
					DIA.		2-inch			DATE FINISHED:	10/29	/08		
					WT.					DRILLER:	K. Ke	gel		
					FALL					GEOLOGIST:	J. Har	shman		
					* F	OCKET	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
DEPTH		S	AMPLE		REC%		SOIL		M	IATERIAL		MGP		MOISTURE
FEET	STRATA	NO.	COL		RQD%	COLOR	CONSISTENCY ROCK HARDNESS			SCRIPTION	USCS	COLOR	PID	HCN
								l			<u> </u>			
0	•••••	1		-	100%	Dark	Loose-Medium	Fino-m	adium SA	AND, little fine-coarse	SP		0.0	Moist-Dry
+						Brown	Dense	gravel.	edidili SA	and, little line-coarse				0.0
4														
4														
_														
-5 —		2		-	77%								0.0	0.0
1						Orange- Light	Loose	Fine-co	arse SAN	ND, trace well graded	SW			Dry
+						Brown		gravel.	No MGP	impacts.				
+														
4														
-10 —	·····	3			72%						SP		0.0	0.0
					7270			Fine-co	arse SAN	ND, some poorly rse gravel.			0.0	0.0
								gradu		oo g. a. o				
1														
1														
-15 —		4		-	77%								0.0	0.0
+														
=														
4														
-20 —					7001	1111								
		5		-	73%	Light Brown-							0.0	0.0
7						Brown								
1														
+														Wet
+														
-25 —		6		-	80%	Orange-							0.0	0-1
	······································	-				Tan							0	•
0014	MENTO. B	oring ad	<u></u>	Lwith o 7	720 DT D	root Duo	h Cooprobo on	d comple	d with a C	2" diameter macrocore				

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'.

TEST BORING LOG Corporation **BORING NO.: DGP-201** PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** -black and brown NAPL staining, 60 slight-moderate NAPL coating, moderate naphthalene-like odor from 450 27.5' to 29.5'. 40 Fine SAND, no staining, slight SM Light Med. Dense naphthalene-like odor. 90% Brown-SP 0.0 Loose 10 Tan Fine-medium SAND, trace fine gravel. Slight naphthalene-like odor. 6.0 15 30 -35 N/A Light SW 8 0.3 1 Fine-coarse SAND, some fine-coarse Brown gravel, increasing gravel content at 0.0 0.0 38'. No MGP impacts. 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'. **BORING NO.: DGP-201**

			IΠ	S co		41				I BO	RING	LOG	i
									BORING NO. :	DGP-	202		
PROJE	CT/PROJE	CT LOC			IGP PDI,	Hempstead, I	New York		SHEET:	1 OF	2		
CLIENT	:		Nat	ional Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:	F+	N					BORING LOCATION:		Parking L	₋ot	
GROUN	IDWATER:		~24	' bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	1 : N/A			
DATE	TIME	LEV	EL TYPI	TYPE		Macrocore			DATE STARTED:	10/29	/08		
				DIA.		2-inch			DATE FINISHED:	10/29			
				WT.					DRILLER:	K. Ke	gel		
				FALL					GEOLOGIST:	J. Har	shman		
				* F	POCKET	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
DEPTH	STRATA	1	AMPLE BLOW	REC%	COLOR	SOIL CONSISTENCY			ATERIAL	USCS	MGP COLOR	PID	MOISTURE
FEET		NO.	COUNT	RQD%		ROCK HARDNESS		DES	SCRIPTION		CODE		HCN
0													
		1	-	100%	Dark Brown	Loose	Silty sa	nd gradin	g to fine-medium	SP		0.0	Moist
1							sand, II MGP in		nedium gravel. No				0.0
1													
1													
-													
-5-	• • • • • • • • • • • • • • • • • • •	2		68%	Orange-	Loose-				SW		0.0	Dry
		-		0070	Light Brown	Medium Dense			ND, trace well graded el. No MGP impact.	011		0.0	-
					DIOWII	Dense	11110 000	aroo grav	on 140 Wich impact.				0.0
1													
+													
-10 —		3	-	62%	Orange-	Medium	- .	044	ID 1	SP		0.0	0.0
4					Brown	Dense	Fine-co graded	arse SAN fine-med	ND, some poorly ium gravel. No MGP				
							impact.						
1													
-15 —		4	-	70%								0.0	0.0
-													
_													
-20 —		5	-	73%	Brown-	Loose-	Fine-co	arse SAN	ND, trace-little fine			1	0-1
+					Tan	Medium Dense			IAPL staining from rown staining and			10	
4							NAPL o	coating fro	om 24'-25', moderate				
							naphtha	alene-like	odor.			E0	
												50	
_]												100	Wet
-25 —		6	-	90%								50	2-4
I	• • • •	l		1	ı		I		l	l			I
COM	MENITS: Ro	oring ad	vanced with	7720 DT D	rect Pue	h Geonrobe an	d sample	d with a 3	2" diameter macrocore.				

Borehole backfilled with cement-bentonite grout to grade.

Boring handcleared from 0'-5'.

TEST BORING LOG Corporation **BORING NO.: DGP-202** PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** 100 -Heavy MGP impact from 25'-28'. Moderate NAPL coating, black and 320 brown staining, blebs, sheen. 100% NAPL saturation from 28'-29.5'. 800 Strong naphthalene-like odor throughout. 40 SM Fine SILTY SAND. Slight NAPL 75% Medium 0-1 SP 20 staining, sheen. Dense 310 Fine-medium SAND. Moderate naphthalene-like odor. 380 260 275 -35 N/A SW 220 Light 0-1 8 Loose-Fine-medium SAND, some fine-Brown Medium Dense coarse gravel, increasing gravel content from 38'-40'. Slight naphthalene-like odor. 100 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'. **BORING NO.: DGP-202**

			77	DC			4.			IES	I DU	RING	LUG	l
					Co					BORING NO. :	DGP-	203		
ROJE	CT/PROJE	CT LOC	ATION			IGP PDI,	Hempstead, I	New York		SHEET:	1 OF	2		
CLIENT	:			Nation	al Grid					JOB NO. :	11175	065.000	11	
3ORING	CONTRA	CTOR:		F + N						BORING LOCATION:	In fror	t of MOE	3	
GROUN	IDWATER:			~25' b(gs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION				
DATE	TIME	LEV	EL	TYPE	TYPE		Macrocore			DATE STARTED:	10/25/	08		
					DIA.		2-inch			DATE FINISHED:	10/25/			
					WT.					DRILLER:	K. Ke			
					FALL					GEOLOGIST:	M. Da	scoli		
					* F	OCKET P	ENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
EPTH	-	S	AMPLE		REC%		SOIL CONSISTENCY		М	ATERIAL		MGP		MOISTUR
FEET	STRATA	NO.	COU		RQD%	COLOR	ROCK HARDNESS		DES	SCRIPTION	USCS	COLOR	PID	HCN
•	·			<u> </u>				ı				<u> </u>		ı
0		1	-		100%	Brown	Loose			e clay and fine gravel,	FILL		0.0	Dry
_								few bri impacts		ents. No MGP				0.0
						-	Stiff			e-medium sand, trace	CL			
5—		2			68%	Dark	Medium	siit and	coarse g	ravei.	SM		0.0	0.0
-		2	-		66%	Brown	Dense	Fine-me MGP in		ND, some silt. No	SIVI		0.0	0.0
_						Orange- Brown		Fine-me trace si impacts	lt. Well s	ND, little fine gravel, orted. No MGP	SW-SM		1.2	
0 —		3	-		65%			Fine-co MGP in		ID and GRAVEL. No	GP		1.8	0.0
4													2.5	
													3.8	
1													4.4	
5 —		4	-		70%								2.5	0.0
-								<i></i>						
-						Dark	Loose			AVEL, some fine-			1.2	
0 —	⊠⊠	5			73%	Brown Brown	Medium	coarse	sand, tra	Ce SIIT.	SP-SM		2.5	0-1
		J	-		7 3 /0	DIOWII	Dense	fine-me		ND, some silt, trace vel. Faint odor.			5.1	U-1
7	<u> </u>					Light	Dense	Fine-co	arse GP	AVEL, some medium-	GP SW			Moist
-						Light Brown	Delise			int naphthalene-like	344			IVIOISÍ
5 —					0724			Fine-co	arse SAN	ID, few fine gravel.			6.5	
		6	-		97%			Fine SA	ND, trac	e silt and fine-medium	SP		2.5	Wet

Borehole backfilled with cement-bentonite grout to grade.

Boring handcleared from 0'-5'.

TEST BORING LOG URS Corporation DGP-203 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** 1.2 0.0 gravel. No MGP impacts. 3.8 2.5 3.1 97% 0.0 4.4 5.8 8.9 -35 SW 97% 8 Medium 74.3 0.0 Fine-coarse SAND, fine-medium Dense-Dense gravel. Burnt plastic odor, no staining. Fine-coarse GRAVELLY SAND, trace cobbles. Burnt plastic odor, no Very Dense SP-GP 64.7 staining. 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'.

TEST BORING LOG URS Corporation **BORING NO.: DGP-205** PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York SHEET: 1 OF 2 **National Grid** CLIENT: JOB NO.: 11175065.00011 In front of MOB F + N**BORING LOCATION: BORING CONTRACTOR:** ~25' bgs **GROUNDWATER:** CAS. SAMPLER CORE TUBE **GROUND ELEVATION: N/A DATE STARTED:** 10/25/08 DATE TIME **LEVEL TYPE TYPE** Macrocore **DATE FINISHED:** 10/25/08 DIA. 2-inch DRILLER: K. Kegel WT. M. Dascoli **GEOLOGIST: FALL** K. Connare * POCKET PENETROMETER READING **REVIEWED BY:** SOIL SAMPLE MGP REC% MOISTURE **MATERIAL DEPTH** CONSISTENCY COLOR PID **STRATA** COLOR USCS **BLOW** DESCRIPTION NO. **FEET ROCK** RQD% HCN CODE COUNT **HARDNESS** 100% FILL Brown Medium 0.0 Dry FILL. Sand and silt with fine-medium Dense gravel, trace asphalt. No MGP 0.0 impact. 65% Loose SP-SM 0.0 0.0 Fine-coarse SAND, some finemedium gravel, trace silt. No MGP 2.5 impact. Dark Stiff ML 11.5 Fine-coarse SANDY SILT, trace fine Brown gravel. No MGP impact. 15.8 Fine-coarse SAND, little fine-medium Orange-Dense- Very SW 7.2 gravel. Dense 10 SW-GW 0.0 Loose-2.5 Medium Fine-coarse SAND and fine-coarse Dense GRAVEL. No MGP impact. 5.1 0.0 3.1 3.8 5.1 -20 97% Loose 3.1 0.0 5.1 Orange-Brown 7.6 -25 83% 8.3 Wet Fine SAND, little coarse sand. Black

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'.

TEST BORING LOG Corporation **BORING NO.: DGP-205** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** NAPL staining and sheen from 25.5'-23 2 225 -black NAPL saturation and staining 8 from 27'-29'. -6" of black NAPL at 28'. 237 97% Tan 38.4 0.0 Fine SAND, trace fine gravel. Slight naphthalene-like odor. 24.4 24.1 23.9 -35 SW 97% Loose-Medium Dense Light 43.5 0.0 8 Fine-coarse SAND. Slight Brown naphthalene-like odor. 28.1 Dense GP Fine-medium GRAVEL. Slight naphthalene-like odor. 36.1 25.3 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'.

			T	Т	S co		4=			TES	т во	RING	LOG	ì
			•		J Co	rpora	ation			BORING NO. :	DGP-	206		
PROJE	CT/PROJE	CT LOC	ATIO	N: Natio	nal Grid M	IGP PDI	, Hempstead, I	New York	(SHEET:	1 OF	2		
CLIEN	Γ:			Natio	nal Grid					JOB NO. :	11175	065.000	11	
BORIN	G CONTRA	CTOR:		F + N						BORING LOCATION:	In fron	nt of MOE	3	
GROU	NDWATER:			~25' b	gs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATIO	N:N/A			
DATE	TIME	LEVE	EL	TYPE	TYPE		Macrocore			DATE STARTED:	10/25/	/08		
					DIA.		2-inch			DATE FINISHED:	10/26/	/08		
					WT.					DRILLER:	K. Ke	gel		
					FALL					GEOLOGIST:	J. Har	shman &	M. Das	scoli
					* F	OCKET	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare		
		S	AMPL	E	REC%		SOIL					MGP		MOISTURE
DEPTH FEET	STRATA	NO.		Low	DOD9/	COLOR	CONSISTENCY ROCK			IATERIAL SCRIPTION	uscs	COLOR	PID	
			CC	DUNT	RQD%		HARDNESS					CODE		HCN
0-	XXX	1		-	100%	Brown	Loose- Medium	FILL. S	Sand with	some silt and	FILL		0.0	Slightly Moist
+							Dense		n gravel, t No MGP i	trace metal slag and				0.0
+								Drick. I	NO IVICIT I	mpacis.				
-														
_														
-5-														
٦		2		-	77%		Stiff			e-coarse sand. No	CL		0.0	0.0
7								MGP in	npacts.					
7						Dark	Dense- Very	Fine-m	edium SA	ANDY GRAVEL, some	GM			
4						Brown	Dense		o MGP im					
4														
10 —		3			70%	Orongo	Madium				SW-GW		0.0	Dest
		3		-	70%	Orange- Brown	Medium Dense			ND and GRAVEL. No	SW-GW		0.0	Dry
								MGP in	прасіѕ.					0.0
7														
-														
15 —		4		-	58%						SW		0.0	0.0
_										ND with some fine- ace cobble.				
									J,				2.5	
													3.8	
7													5.1	
7														
20 —		5		-	63%	Tan	Loose-	Eine e-	arca CAN	JD come fine			13.4	0.0
4							Medium Dense		n gravel.	ND, some fine-			15.9	
													16.1	
								light b	rown stair	ning and faint				
7						Dark Brown				odor from 24'-25'.			25	1.0
25 —		6		-	82%	D. OWII		F:	adires OA	IND Hearth I	SP		100	Wet
1	<mark>'.'.'.'.</mark>	l		1			I	Fine-m	eaium SA	ND. Heavy black	I			2.0
	l													1
	INTENITO : P	arina adı	vance	d with a 7	יח דם חכי/	ract Puc	n Geonrobe an	nd cample	d with a 3	" diameter macrocore				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'.

TEST BORING LOG Corporation **BORING NO.: DGP-206** PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** NAPL staining and moderate NAPL 1.0 coating, sheen and moderate 10 0.0 naphthalene-like odor. Light Loose SM 7.0 Fine-medium SAND, trace silt. Slight Brown sheen and faint naphthalene-like odor. 88% SW-SM 0.0 Loose-4.0 Fine-coarse SAND, trace silt. Faint Medium naphthalene-like odor. Dense 8.0 10 8.0 Fine SILTY SAND, trace fine gravel. 15 Faint naphthalene-like odor. Medium SM Brown Dense 80% 8 Light SW 0.0 30 Fine-coarse SAND, some fine-coarse Brown gravel. Faint naphthalene-like odor. 20 10 -no NAPL staining or naphthalene-like 4.0 odors from 38'-40'. 2.0 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'.

			Ti	Ф	•					TES	т во	RING	LOG	i
			U		Col	rpora	ition			BORING NO. :	DGP-	207		
PROJE	CT/PROJE	CT LOC	ATION	: Nation	nal Grid M	GP PDI,	Hempstead, I	New York	1	SHEET:	1 OF	2		
CLIENT	Γ:			Nation	nal Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:		F + N						BORING LOCATION:	In fror	nt of MOE	3	
GROUN	NDWATER:			~23' b	gs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATIO	N:N/A			
DATE	TIME	LEVI	EL	TYPE	TYPE		Macrocore			DATE STARTED:	10/26	/08		
					DIA.		2-inch			DATE FINISHED:	10/26	/08		
					WT.					DRILLER:	K. Ke	gel		
					FALL					GEOLOGIST:	J. Har	shman		
					* P	OCKET	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
		S	AMPLE		REC%		SOIL			I ATERIAL		MGP		MOISTURE
DEPTH FEET	STRATA	NO.	BLC		RQD%	COLOR	CONSISTENCY ROCK HARDNESS			ATERIAL SCRIPTION	uscs	COLOR CODE	PID	HCN
														<u> </u>
0-	K X X X X	1	-		100%	Dark	Medium	Γ	<u> </u>		FILL		0.0	Moist-Dry
-						Brown	Dense		dium gra	um loamy sand, little vel, trace cobble. No				0.0
+									puot.					
+														
+														0.0
-5 —		2	-		72%	Brown	Stiff	SILT.			ML	-	0.0	Moist
+					-	Dark	Medium	Fine-co	arse SAN	ND and GRAVEL. No	GP			Moist-Dry
-						Brown- Brown	Dense	MGP in		VD and GHIVVEE. 140				
+	• • • • • •				_	Light Brown	Loose- Medium	Fine-co	arse SAN	ND, little fine-medium	SP	-		Dry
+						DIOWII	Dense		No MGP					
-10 —		3	-		68%	Orange- Brown							0.0	0.0
1														
1														
-														
+														
-15 —		4	-		77%		Loose	Fine-co	arse SAN	ND, little fine-medium	SW		0.0	0.0
+								gravel,	well grad	ed. No MGP impact.				
-														
-														
+														
-20 —		5	-		67%	Light							0.0	Moist-Dry
+						Brown								0.0
+								/ Fire and	adius CA	ND troop fire arrays \				
-	•••••				-	Dark		Light I	NAPL coa	ND, trace fine gravel. \ating, brown staining	SP		5.0	Wet
4						Brown		and she	een , sligh	nt naphthalene-like			20	
-25 —					000/									0.0
		6	-		90%			-Heavy	MGP imp	pact, three 4" seams			120	2.0
COM	MENTS: Bo	oring adv	vanced	with a 7	720 DT Di	rect Pus	h Geoprobe an	ıd sample	d with a 2	2" diameter macrocore.				

Borehole backfilled with cement-bentonite grout to grade.

Boring handcleared from 0'-5'.

TEST BORING LOG URS Corporation DGP-207 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** 220 3.0 of NAPL saturation with blebs. Black staining and strong naphthalene-like 320 odor throughout from 25'-28'. Light 60 5.0 Fine SAND. Faint naphthalene-like Brown odor. 30 4.0 87% 0-2 5.0 10 20 12 6.0 -35 SW 97% Medium 0-2 8 20 Fine-medium SAND, little fine-medium Dense well graded gravel. Faint 10 naphthalene-like odor. 4.0 2.0 0.0 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 NO.: DGP-207

Boring handcleared from 0'-5'.

			T	P	Co		41					RING	LOG	i
DDC :=	OT/DDG /=	07.1.00								BORING NO. :	DGP-			
		CTLOC	ATION			GP PDI,	Hempstead, N	New York	(SHEET:	1 OF			
CLIENT					nal Grid					JOB NO. :		065.000		
	G CONTRA			F + N		1	1		1	BORING LOCATION:		end of M	IOB	
GROUN	NDWATER:	1		~23'		CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION		_		
DATE	TIME	LEVE	EL	TYPE	TYPE		Macrocore			DATE STARTED:	11/3/0			
					DIA.		2-inch			DATE FINISHED:	11/3/0			
					WT.					DRILLER:	K. Ke			
					FALL					GEOLOGIST:	M. Da			
					* F	OCKET	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare		
DEDTU		SA	AMPLE		REC%		SOIL		M	ATERIAL		MGP		MOISTURE
DEPTH FEET	STRATA	NO.	BLO		RQD%	COLOR	CONSISTENCY ROCK			SCRIPTION	USCS	COLOR	PID	HCN
			COL	JNI	ngs //		HARDNESS					CODE		HON
•														
0		1		-	100%	Dark Brown	Dense	FILL. F	ine-medi	um sand. some silt,	FILL		0.0	Moist
1						Diowii		clay, ar MGP in	nd fine-me	edium gravel. No				
+								IVICII III	прасіз.					
4														
-5—														
-5		2		-	63%								0.0	0.0
1										\				
+									edium GF sand, tra	RAVEL, some fine-	GM			
4						Brown	Medium Dense				SW			
4										ND, little fine-medium impacts.				
10										•				_
		3		-	75%		Loose- Medium	-trace s	silt from 1	0'-15'			0.0	Dry 0.0
1							Dense							
1														
+														
4														
15 —		4			70%	Orange-	Loons	-					0.0	
		4		-	70%	Brown	Loose						0.0	
1							Loose- Medium	Fine-cc	arse SAN	ND and GRAVEL. No	SP-GP			
1							Dense	MGP in	npacts.					
+														
20 —		5		-	73%	Light	Medium				SW		0.0	0.0
		3			7376	Brown	Dense- Dense	Fine-co	arse SAN	ID, some fine-coarse impacts.	3		0.0	0.0
								graven	No Mai	impaoto.				
1														
1														
+														
25 —		6		-	93%	Brown Light	Dense- Very Dense	Fine-m	edium SA	ND.	SP		0.0	Wet
	······				0070	Brown	_ 500						0.0	0-1
	IMENTS: Bo						h Geoprobe an	d sample	ed with a 2	" diameter macrocore.				

BORING NO.: DGP-208

Boring handcleared from 0'-5'.

TEST BORING LOG URS Corporation **BORING NO.: DGP-208** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** ML Fine SANDY SILT. No MGP impacts. SM Fine SAND, some silt. 60 -light NAPL coating, 0.5" lens of NAPL saturation, blebs, moderate 15 naphthalene-like odor from 28.5'-29'. Brown NAPL sheen from 29'-30'. 97% Dense 0-2 Orange-1.1 Brown Fine SILTY SAND. Slight 1.9 naphthalene-like odor. 3 1 8.7 15.3 Light Brown-SP 97% 66.2 1.0 Loose-Fine-coarse SAND, trace fine gravel. Gray Medium Dense Moderate naphthalene-like odor and 104 burnt plastic odor, no staining. 59.0 65.7 160 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'. **BORING NO.: DGP-208**

TEST BORING LOG URS Corporation **BORING NO.: DGP-209** PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York 1 OF 3 SHEET: **National Grid** CLIENT: JOB NO.: 11175065.00011 LIRR ROW, upgradient of HIMW-08 F + N**BORING LOCATION: BORING CONTRACTOR: GROUNDWATER:** ~27' bgs CAS. SAMPLER CORE TUBE **GROUND ELEVATION: N/A DATE STARTED:** 11/11/08 DATE TIME **LEVEL TYPE TYPE** Macrocore **DATE FINISHED:** 11/11/08 DIA. 2-inch DRILLER: K. Kegel WT. J. Harshman **GEOLOGIST: FALL** K. Connare * POCKET PENETROMETER READING **REVIEWED BY:** SOIL SAMPLE MGP REC% MOISTURE **MATERIAL DEPTH** CONSISTENCY COLOR COLOR PID **STRATA** USCS **BLOW** NO. DESCRIPTION **FEET ROCK** RQD% HCN CODE COUNT **HARDNESS** 100% FILL Dry Dark Loose 0.0 FILL. Fine-medium loamy sand, trace Brown 0.0 silt and organic material, little finemedium gravel. No MGP impact. 82% 0.0 0.0 Fine SILTY SAND, trace-little fine Medium SM gravel. Dense ML Stiff SILT, trace fine gravel. No MGP impact. Loose SW -10 Fine-medium SAND, some fine-Light 0.0 0.0 Browncoarse gravel. No MGP impact. Orange -15 72% 0.0 0-1 -20 73% 0.0 0.0 Orange Brown -25 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'.

TEST BORING LOG Corporation **BORING NO.: DGP-209** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN CODE RQD % COUNT **HARDNESS** Wet Tan-Dark Brown 88% SM 0.0 0-2 Brown-Loose-Fine SILTY SAND. No MGP impacts. Medium Gray Dense N/A Gray 0.0 0.0 8 Loose 87% SW Dark 7.0 2.0 9 Fine-coarse SAND, trace fine gravel. Gray Faint naphthalene-like odor. 18 3.0 2.0 11 7.0 10 93% Gray Loose-0.0 0.0 Fine-coarse SAND. Faint Medium naphthalene-like odor. Dense 2.0 1.0 3.0 4.0 -50 95% 11 Light Brown 9.0 2.0 Fine-coarse SAND, trace fine-coarse gravel, well graded. Faint 6.0 1.0 naphthalene-like odor. 2.0 7.0 6.0 1.0 -55 95% 12 0.0 0.0 Loose 0.6 1.0 2.0 COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.

BORING NO.: DGP-209

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'.

TEST BORING LOG URS Corporation **BORING NO.: DGP-209** PROJECT: National Grid MGP PDI, Hempstead, New York OF 3 SHEET: 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** 1.0 -60 13 85% Medium 3.0 0.0 Dense 5.0 Fine-coarse SAND and GRAVEL. GP Faint naphthalene-like odor. SP 7.0 Fine SAND. Faint naphthalene-like -65 odor from 64'-65'. 14 93% Loose-0.0 0.0 Medium Dense Fine-medium SAND, some fine-Medium SW medium gravel. No MGP impact. Dense- Dense SM Tan-Gray Very Dense Fine SILTY SAND. No MGP impact. 97% Gray Medium 15 0.0 0.0 Dense 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'. **BORING NO.: DGP-209**

			T'	R	S Co		41					RING	LOG	
										BORING NO. :	DGP-	211		
		CT LOC	OITA			IGP PDI,	Hempstead, I	New York		SHEET:	1 OF	2		
CLIENT					nal Grid					JOB NO. :		065.000		
	G CONTRA			F + N						BORING LOCATION:		ROW, ea	ast of MC)B
GROUN	IDWATER:			~26' b	gs.	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION				
DATE	TIME	LEVI	EL	TYPE	TYPE		Macrocore			DATE STARTED:	10/21/			
					DIA.		2-inch			DATE FINISHED:	10/21/			
					WT.					DRILLER:	K. Keç			
					FALL					GEOLOGIST:	M. Da			
					* F	OCKET	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
DEPTH		S	AMPLE		REC%		SOIL		М	ATERIAL		MGP		MOISTURE
FEET	STRATA	NO.	CO	OW UNT	RQD%	COLOR	CONSISTENCY ROCK HARDNESS			SCRIPTION	USCS	COLOR	PID	HCN
0—		1		-	100%	Brown	Loose- Medium Dense	some c		fine-medium sand, ubrounded gravel.	FILL		0.0	Dry 0.0
-						Tan	Medium Dense							
-5-		2		-	85%	Brown							0.0	0.0
-						Orange-	Loose-	Eino co	arco SAN	ND, some fine gravel.	SP			
-10 —	-	3		_	78%	Brown	Medium Dense Loose		P impact.				0.0	0.0
-					7070		2000	Fine GI sand.	RAVEL, s	ome fine-medium	OD		0.0	0.0
+						Dark Brown	Medium	Fine co	araa CAN	ID trace fine ground	GP SP			
_						Light Brown	Dense			ID, trace fine gravel, GP impact.			0.6	
-15 —		4		-	68%	Orange-	Loose-	Fine-me	edium SA	NDY GRAVEL. No	GP		2.2	0.0
-						Brown	Medium Dense	MGP in					3.9	
1													3.2	
_													3.3	
-20 —		5		-	68%	Light		Fine-co	arse SAN	ND, some fine-	SP		7.1	0.0
+						Brown				No MGP impact.			5.5	
-													6.2	
-						Dark				ND, trace medium No MGP impact.			5.2	0-1
-25 —	<mark>. ' . ' . ' . ' . ' . '</mark> .	6		-	70%	Brown Brown				ne silt, few fine-coarse	SW-SM		15.1	
1				1					, 5611		'			

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'.

TEST BORING LOG Corporation **BORING NO.:** DGP-211 PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Loose gravel. 25.3 Wet Fine-coarse GRAVELLY SAND. Medium SW 27.9 Sheen and light NAPL coating, faint Dense naphthalene-like odor. SW-SM 32.7 Fine-medium SAND, few fine gravel, 35.6 trace silt. Faint naphthalene-like odor, -30 97% light NAPL coating. ML 0.0 0.0 Light Brown Fine SILT, some fine-medium sand. Faint naphthalene-like odor. -35 82% 8 0.0 0.0 Gray-Light Brown Coarse GRAVEL, some silt and finemedium sand. Faint naphthalene-like odor. GW End of boring at 40' 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-211**

			T	TP	5 co		4.			TES	т во	RING	LOG	İ
										BORING NO. :	DGP-	212		
PROJE	CT/PROJE	CT LOC	ATIO			IGP PDI,	Hempstead, I	New York	(SHEET:	1 OF	2		
CLIENT	Γ:			Natio	nal Grid					JOB NO. :	11175	065.000	11	
BORIN	G CONTRA	CTOR:		F + N						BORING LOCATION:	LIRR	ROW, ea	ast of Mo	OB
GROUN	NDWATER:			~29' k	ogs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N : N/A			
DATE	TIME	LEVI	EL	TYPE	TYPE		Macrocore			DATE STARTED:	10/20	/08		
					DIA.		2-inch			DATE FINISHED:	10/20	/08		
					WT.					DRILLER:	K. Ke	gel		
					FALL					GEOLOGIST:	J. Har	shman		
					* 1	POCKET	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
		S	AMPLE	E	REC%		SOIL					MGP		MOISTURE
DEPTH FEET	STRATA	NO.		.ow	DODa/	COLOR	CONSISTENCY ROCK			ATERIAL SCRIPTION	USCS	COLOR	PID	
		110.	СО	UNT	RQD%		HARDNESS		520	301 1.0.K		CODE		HCN
		•												
0-	XXX	1		-	100%	Dark	Loose	FILL F	-ina-madi	um loamy sand, some	FILL		0.0	Dry
-						Brown				avel. No MGP impact.				0.0
4														
1														
-5-		2		-	77%	Light		Fine-co	arse SAN	ND, some-trace fine-	SW		0.0	0.0
+						Brown				No MGP impact.				
4														
1														
10 —		3		-	87%								0.0	0.0
+														
_														
1														
15 —		4		-	N/A								0.0	0.0
+														
4														
1														
20 —		5		-	N/A	Brown							0.0	0.0
4														
4														
1														
25 —		6		-	47%	Light	Medium						0.0	Dry- Moist
						Brown	Dense- Dense							0.0
							h Geoprobe an	d sample	d with a 2	2" diameter macrocore.				
Bore	hole backfil	led with	ceme	nt-bentor	nite grout to	grade.								

BORING NO.: DGP-212

Boring handcleared from 0'-5'.

TEST BORING LOG Corporation **BORING NO.:** DGP-212 PROJECT: National Grid MGP PDI, Hempstead, New York 2 SHEET: 2 OF **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** 10 Fine-medium SAND. Moderate naphthalene-like odor, light brown Brown SP Loose-70 Wet NAPL staining. Medium 2.0 Dense 50% Light 10 Fine SAND. Strong naphthalene-like Brown odor, heavy NAPL staining. 3" to 6" 400 4.0 lenses of MGP impact. Light NAPL coating at 31'. Moderate NAPL 70 3.0 coating at 33', NAPL saturation from 34.5'-35'. 600 8.0 800 16 52% SM 0-3 Light 40 Fine SAND, trace-little silt. Slight Graynaphthalene-like odor. 200 100 50 Fine-medium GRAVEL, some finecoarse sand. Slight naphthalene-like GW 25 odor. 48% SW Loose 17 5.0 9 Light Fine-coarse SAND. Faint Brown naphthalene-like odor. 4.0 20 10 25 8.0 12 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-212**

			1		S co		4-			TES		RING	LOG	İ
										BORING NO. :	DGP-	213		
PROJE	CT/PROJE	CT LOC	CATIC			IGP PDI	, Hempstead, I	New York	(SHEET:	1 OF	2		
CLIENT	Γ:			Natio	onal Grid					JOB NO. :	11175	065.000	11	
BORIN	G CONTRA	CTOR:		F + 1	N					BORING LOCATION:	LIRR	ROW, Ea	ast of Mo	OB
GROU	NDWATER:			~25'	bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N:N/A			
DATE	TIME	LEV	EL	TYPE	TYPE		Macrocore			DATE STARTED:	10/20/	/08		
					DIA.		2-inch			DATE FINISHED:	10/20/	/08		
					WT.					DRILLER:	K. Ke	gel		
					FALL					GEOLOGIST:	M. Da	scoli		
					*	POCKET	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare		
		s	AMPL	.E	REC%		SOIL		M	IATERIAL		MGP		MOISTURE
DEPTH FEET	STRATA	NO.		LOW	RQD%	COLOR	CONSISTENCY ROCK			SCRIPTION	uscs	COLOR	PID	HCN
			C	OUNT	NQD /8		HARDNESS					CODE		HCN
0		1		-	100%	Dark Brown	Dense	FILL. S	Silt. some	fine-medium sand,	FILL		0.1	Dry
+						וושטום		trace c		gravel. Faint				0-1
+								Парпи	alene-like	e odor.				
-														
-5-														
-3	XXX.	2		-	97%	Orange-	Loose-				SW		0.1	0-1
1						Brown	Medium Dense		oarse SAN P impact.	ND, some fine gravel.				
+							Delise							
+														
4														
10 —					===:									
		3		-	77%								0.2	0-1
1														
1														
+														
4														
15 —		4			80%	Brown		 			CW		6.7	0-2
		4		-	80%	Drown				ND, some fine- trace silt. Faint	SW		6.7	0-2
									alene-like					
1														
1														
+														
20 —		5		-	78%						SW-GW		0.9	Moist
1		Ü			. 676					ND and fine GRAVEL. ting and brown				0.0
	.: \(\)							staining	g, faint na	phthalene-like odor.			0.6	
7													0.4	
+													0.6	
25 —		6		-	80%	1	Medium				SW		140	Wet
	•:•:•:•:•:					[Dense- Dense	Fine-co	arse SAN	ND, few fine-medium				1.0
							h Geoprobe an	d sample	ed with a 2	2" diameter macrocore.				
Bore	hole backfil	led with	ceme	ent-bento	nite arout to	o grade.								

BORING NO.: DGP-213

Boring handcleared from 0'-5'.

TEST BORING LOG Corporation **BORING NO.: DGP-213** PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** gravel. Brown staining and moderate NAPL coating, strong naphthalene-like 350 385 2.0 Light Brown-362 -30 97% Brown SM 333 1.0 Fine SAND, some silt. Brown NAPL saturation, strong naphthalene-like 492 5.0 odor and sheen from 30'-34'. -clay layer, some silt and fine sand 247 0.0 from 32'-33'. 858 1.0 -no staining, faint naphthalene-like odor from 34'-38'. Light 23.7 Brown 97% 0.0 8 1.2 0.4 Light Gray SW 24.7 Fine-coarse SAND, some fine-coarse gravel, trace silt. Faint naphthalene-36.7 like odor. 97% 0.0 62 9 Loose-Medium Dense Gray-Tan 0.0 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'.

			T	П	7					TES	т во	RING	LOG	Ì
			l	JÆ	5 co	rpora	ation			BORING NO. :	DGP-	214		
PROJE	CT/PROJE	CT LOC	ATIO	N: Natio	nal Grid N	IGP PDI,	Hempstead, I	New York	(SHEET:	1 OF	2		
CLIENT	Γ:			Natio	nal Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:		F+N						BORING LOCATION:	LIRR	ROW, Ea	ast of Mo	OB
GROUN	NDWATER:			~28.5	' bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	1 : N/A			
DATE	TIME	LEVI	EL	TYPE	TYPE		Macrocore			DATE STARTED:	10/17	/08		
					DIA.		2-inch			DATE FINISHED:	10/17	/08		
					WT.					DRILLER:	M. Me	ede		
					FALL					GEOLOGIST:	M. Da	scoli		
					* F	POCKET	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
			AMPLI	<u> </u>	REC%		SOIL	1				MGP		MOISTURE
DEPTH	STRATA			ow -	HEC /8	COLOR	CONSISTENCY			IATERIAL	USCS	COLOR	PID	MOISTURE
FEET		NO.		UNT	RQD%		ROCK HARDNESS		DE	SCRIPTION		CODE		HCN
								<u> </u>						
0-		1		-	100%	Dark	Loose-	Τ			FILL		0.0	Dry
4						Brown	Medium Dense		Silt, some P impact.	fine-medium sand.				0.0
							20.100		•					
1														
1						Light	Loose	Fine-co	arse SAN	ND, some fine-	SW			
-5 —		2		-	80%	Brown				No MGP impact.			0.0	0-1
4														
-														
-10 —		3		-	77%	Orange- Brown		Mediun	 n-fine SAI	ND, some fine-			0.0	0.0
-						DIOWII		mediun	n gravel, t	trace silt. No MGP				
-								impact.						
-														
15														
-15 —		4		-	53%		Medium Dense- Dense]					0.0	0.0
1														
+														
-														
-														
-20 —		5			45%								0.0	0.0
		5		-	45%								0.0	0.0
7						Light	Medium	 						
1						Gray	Dense		n-coarse n gravel, t	SAND, some fine- trace silt.				
+						Light Brown	Loose							
-25 —		6		-	50%			, Mediun mediun	n-coarse n gravel.	SAND, some fine- Moderate			24.7	0-1
					-5,0				alene-like				,	
COM	MENTS: Bo	oring adv	vance	d with a 7	720 DT D	irect Pus	h Geoprobe an	nd sample	d with a 2	2" diameter macrocore.				

Borehole backfilled with cement-bentonite grout to grade.

Boring handcleared from 0'-5'.

TEST BORING LOG Corporation **BORING NO.:** DGP-214 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** SM Fine-medium SAND, some silt. 16.2 Moderate naphthalene-like odor. -3" with some medium gravel at 28'. 52.7 Wet -2" lens of silt at 29.5'. 57% Medium SP 4.5 0-1 Fine-medium SAND. Faint Dense- Dense naphthalene-like odor. 3.3 1.0 Light Gray 5.0 4.3 11 Gray -35 SW 57% Dense- Very 1.2 0-1 8 Medium-coarse SAND, little fine-Dense medium gravel. Faint naphthalenelike odor. SW-SM Fine SAND, some silt, trace fine gravel. Faint naphthalene-like odor. 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'.

			IΠ	2		.=			TES	т во	RING	LOG	i
			UR	S co	rpora	ition			BORING NO. :	DGP-	215		
PROJE	CT/PROJE	CT LOC				Hempstead, I	New York		SHEET:	1 OF	2		
CLIENT	:		Nat	ional Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:	F+	N					BORING LOCATION:	MOB	Parking L	_ot	
GROUN	IDWATER:		~25	' bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	1: N/A			
DATE	TIME	LEVE	L TYPE	ТҮРЕ		Macrocore			DATE STARTED:	11/3/0)8		
				DIA.		2-inch			DATE FINISHED:	11/3/0)8		
				WT.					DRILLER:	B. Ra	th		
				FALL					GEOLOGIST:	J. Har	shman		
				* F	OCKET F	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
DEPTH		SA	MPLE	REC%		SOIL CONSISTENCY		М	ATERIAL		MGP		MOISTURE
FEET	STRATA	NO.	BLOW COUNT	RQD%	COLOR	ROCK HARDNESS			SCRIPTION	USCS	COLOR	PID	HCN
0—		1	-	100%	Dark Brown	Loose			um sand, trace fine troleum odor from 4'-	FILL		0.0	Dry 0.0
-5 -		2	-	75%	Tan- Gray				ND, little well graded It petroleum odor.	SW		8.0 6.0 12 15	0.0
-10 —		3	-	62%	Orange- Gray		mediun lenses	n gravel.	ND, trace-little fine- Black thin petroleum 11', staining at 11'. odor.			5.0 11 27 30 22	0.0
-15 —		4		60%	Light Brown-		Fine-co	arse SAN	ND, little fine-medium			460	1.0
_					Gray		gravel, and coa	light blac ating, hea	k petroleum staining vy staining from 19'- leum odor.			420 400	2.0
1												440	3.0
+												580	4.0
-20 —		5	-	63%	Black		<u></u>					400	
				30,0	Diagn		mediun	n gravel.	ND, trace fine- Black petroleum petroleum odor.			375	5.0
												340	
7												250	6.0
+												275	5.0
-25 —		6	-	52%	Tan	Medium Dense						320	Wet 0.0
0014	MENITO. P	oring adv	anced with a	2720 DT D	rect Pue	h George	nd cample	d with a C	o" diameter macrocore				

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'.

TEST BORING LOG Corporation **BORING NO.: DGP-215** PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** 420 1.0 Fine-medium SAND. Brown, light to 400 moderate NAPL staining and coating, strong naphthalene-like odor. -heavy NAPL coating from 29.5'-30'. 350 52% SM 800 Fine SAND, some silt. Heavy NAPL coating, NAPL saturation, strong Gray 270 naphthalene-like odor from 30'-31'. -heavy NAPL sheen, no staining, 70 0.0 moderate naphthalene-like odor from 31'-33'. 20 -faint naphthalene-like odor from 33'-40 -35 SP-GP 45% 8 Gray -Dense 1.0 7.0 Fine-coarse SAND and GRAVEL. ☒ Black Faint naphthalene-like odor. 5.0 \boxtimes \boxtimes ☒ 0.0 12 \boxtimes Medium SW Orange-7.0 Fine-coarse SAND, trace fine gravel. Brown Dense No MGP impact. 4.0 -40 52% 0.0 0.0 9 10 40% 0.0 0.0 -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-215**

URS Corporation									TEST BORING LOG								
										BORING NO. :	DGP-	216					
PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York										SHEET:	1 OF 2						
CLIENT	Γ:			Natio	nal Grid					JOB NO. :	11175065.00011						
BORING CONTRACTOR: F + N										BORING LOCATION:	BORING LOCATION: LIRR ROW east, of MOB						
GROUN	IDWATER:			~30' b	gs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION: N/A							
DATE	E TIME LEVEL TYPE		TYPE	TYPE		Macrocore			DATE STARTED:	10/15	/08						
				DIA.		2-inch			DATE FINISHED:	10/15	/08						
					WT.					DRILLER:	M. Meade						
					FALL					GEOLOGIST:	J. Har	J. Harshman					
										REVIEWED BY:	K. Connare						
		S/	SAMPLE				SOIL					MGP		MOISTURE			
DEPTH	STRATA	ı		Low	112076	COLOR	CONSISTENCY			ATERIAL	USCS	COLOR	PID	WOISTURE			
FEET		NO.		DUNT	RQD%		ROCK HARDNESS		DES	SCRIPTION		CODE		HCN			
											<u> </u>	<u> </u>					
0-		1		-	100%	Dark	Loose	Γ			FILL		0.0	Moist			
_		'				Brown				y sand, trace fine nic matter. No MGP			2.0	0.0			
								impact.					2.0				
1					•	Light Gray		Fine-co	arse SAN	ND, trace-little fine	SW			Dry			
-						Gray		gravel.	Slight pe	etroleum odor.			8.0				
-5-		2		-	72%	Light	Loose-	1					5.0	0.0			
4						Brown	Medium Dense										
													2.0				
													3.0				
													2.0				
1													1.0				
10 —		3		-	65%		Loose	Fine-co	arse SAN	ND, trace well graded	-		0.0	0-1			
+										MGP impact.							
4													3.0				
4													1.0				
													1.0				
15 —		4		-	53%		Loose- Medium			ND, little poorly graded	SP		0.0	0.0			
-							Dense	fine-m	edium gra	avel. No MGP impact.							
4								-		ID Puls Consum of an	SW	(11111)					
-										ND, little fine-medium aining, light coating,			35	1.0			
								petrolo	eum-like (odor from 17'-20'.				1.0			
20													100				
20 —		5		-	50%					ND, trace fine gravel.			70	0-2			
7								Slight	petroleur	n-like odor.			100				
+													140	Dry- Moist			
4										n staining and coating, eum-like odor from			170				
4								22'-25'.					200				
25 —																	
		6		-	47%								100	Moist- Wet 0-1			
'				'	ı		'	'			•			'			
COM	MENTO: P	oring adv	vanco	d with a 6	620 DT D:	root Puo	h Georgebe an	ıd samnla	d with a G)" diameter macrocore							

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'.

TEST BORING LOG Corporation **BORING NO.: DGP-216** PROJECT: National Grid MGP PDI, Hempstead, New York 2 SHEET: 2 OF **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN CODE RQD % COUNT **HARDNESS** -black petroleum staining and coating, strong petroleum-like odor from 25'-150 60% SP 100 Wet Fine SAND. Brown NAPL staining, 2-3 light NAPL coating and naphthalenelike odor. SW Fine-coarse SAND, trace fine gravel. Black petroleum staining throughout, 200 heavy petroleum coating and staining from 32'-33'. 100 -35 50% 0-2 8 Gray-1.2 Fine-medium SAND, trace well graded Light Brown fine gravel. No MGP impact. 1.6 50% 0.0 0.0 9 Light Fine-coarse SAND, trace fine-medium Brown well graded gravel. No MGP impact. 10 60% 0.0 0.0 1.0 2.0 0.0 Medium-coarse SANDY GRAVEL. No GP 1.0 MGP impact. ⊠∵∵⊠ -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'. **BORING NO.: DGP-216**

			TTD	2		4=			TES	T BO	RING	LOG	i
				LS co					BORING NO. :	DGP-	217		
PROJE	CT/PROJE	CT LOC	ATION: Na	tional Grid	MGP PDI,	Hempstead, I	New York	(SHEET:	1 OF	2		
CLIENT	Γ:		Na	tional Grid					JOB NO. :	11175	5065.000	11	
BORING	G CONTRA	CTOR:	F ₄	- N					BORING LOCATION:	LIRR	ROW eas	st of MC)B
GROUN	NDWATER:		~2	8' bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N:N/A			
DATE	TIME	LEVE	L TYP	E TYPE		Macrocore			DATE STARTED:	10/16			
				DIA.		2-inch			DATE FINISHED:	10/17			
				WT.					DRILLER:	K. Ke			
				FALL					GEOLOGIST:		rshman		
				*	POCKET F	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare		
DEDTU	STRATA	SA	MPLE	REC%		SOIL		M	IATERIAL		MGP		MOISTURE
DEPTH FEET		NO.	BLOW	RQD%	COLOR	CONSISTENCY ROCK			SCRIPTION	USCS	COLOR	PID	HCN
			COUNT	1105%		HARDNESS					CODE		HON
•													
0		1	-	100%	Brown	Dense			y sand, some fine-	FILL		0.0	Moist 0.0
1							coarse	gravel. N	No MGP impact.				0.0
+													
+					-	Loose-				SP	-		Dry
4						Medium Dense			AND, little fine-medium P impact.				
-5—	••••••			200/	1	2000			· 	0)4/		0.0	
		2	-	90%	Light Gray-				ND, little well graded	SW		0.0	0.0
					Brown		line-coa	arse grav	el. No MGP impact.				
1													
1													
+													
-10 —		3	_	70%	Light	Loose						0.0	0.0
_					Brown								
1													
1													
-15 —		4	-	70%									0.0
+												7.0	
4					Black					SP	111111	5.0	Moist- Dry
					Bidok		Fine-co	arse SAN Black pe	ND, little fine-medium etroleum staining and				Wiolot Bry
							light co	ating, stro	ong petroleum odor.			100	
							17'-17.		roleum staining from				
-20 —		5	-	67%	Light Brown								Dry 0.0
1	••••••				Biowii							150	0.0
+												160	
4												170	
_													
-25 —]			ils of hear g from 23	vy black petroleum '-25'.			175	
		6	-	65%		Loose- Medium		, 5 20				100	0-2
'		'		•	, '		•			•			
COM	IMENITS: R	oring adv	anced with	а 7720 ПТ Г)irect Puel	h Geonrobe an	nd sample	d with a ?	2" diameter macrocore.				
				tonite grout		5.5551555 411							

BORING NO.: DGP-217

Boring handcleared from 0'-5'.

TEST BORING LOG Corporation **BORING NO.: DGP-217** PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Dense -heavy black petroleum staining from 25'-30'. Wet 85% 1-2 40 Fine-medium SAND, little fine gravel. Black to light brown petroleum staining, light coating and sheen, strong petroleum-like odor. 50 30 Fine-medium SAND. Light NAPL sheen and slight naphthalene-like Light Gray Loose 20 odor. -35 92% 0.0 8 Loose-3.0 Fine-medium SAND. Faint Medium Dense naphthalene-like odor. 88% SW 0-2 Light 2.0 9 Fine-coarse SAND, trace fine gravel. Gray-Light Brown Faint naphthalene-like odor. 7.0 10 97% Gray Loose 1.0 0-1 -No MGP impacts noted from 49'-50'. Medium Light Brown Dense -50 End of boring at 58' 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-217**

URS corporation									TEST BORING LOG						
PRO IE	CT/PRO IE	CTIOC					Hempstead, I	Now Vari	,	BORING NO. :	DGP-				
CLIENT		01 LUC		National National		GF PDI,	nempsiead, f	NEW TOPK	<u> </u>	SHEET: JOB NO. :	1 OF 2 11175065.00011				
		0700			diu					BORING LOCATION:					
	G CONTRA			+ N -21' bgs		040	SAMPLER	0005	TUDE	GROUND ELEVATION		now, E	351 01 511		
	NDWATER:	1				CAS.	+	CORE	TUBE	DATE STARTED:	10/14/08				
DATE	TIME	LEVE	EL TY	YPE	TYPE		Macrocore		DATE STARTED:	10/14/08					
					DIA.		2-inch				K. Kegel				
					WT.					DRILLER:	M. Dascoli				
										3.2020 d.io.:					
				\perp	* P	OCKETE	ENETROMETE	R READING		REVIEWED BY:	K. Connare			I	
DEPTH		SA	AMPLE	_	REC%		SOIL CONSISTENCY		M	IATERIAL	Hece	MGP	DID	MOISTURE	
FEET	STRATA	NO.	BLOW COUNT	l n	RQD%	COLOR	ROCK	1	DES	SCRIPTION	USCS	COLOR	PID	HCN	
							HARDNESS				<u> </u>				
0-					1										
		1	-	1	100%	Dark Brown	Medium Dense			silt, few fine-medium	FILL		0.0	Dry 0.0	
1						Dark Gray				fragments, trace brick. ene-like odor from 1'-					
1								4'.							
+															
+								01.43/5	V 0U T .		ML				
-5-	-	2	-		80%				Y SILT, t alene-like	race fine sand. Faint e odor.			0.0	0.0	
		_		'	00 /6	Brown							0.0	0.0	
							Loose			NDY GRAVEL. No	GP				
								MGP in	ірасі.						
1															
+						Light	Loose-	-							
10 —		3	-		72%	Brown	Medium Dense			JD (configuration	SW		0.0	0.0	
-									arse SAI No MGF	ND, few fine-medium impact.					
4															
1															
15 —		4	-		65%								14.3	0-1	
+										UD trace fine grovel			25.3		
-						Brown				ND, trace fine gravel. ing from 16'-18.5'.			12.3	0.0	
						Diowiii								0.0	
													27.3		
													30.1		
20 —		5	-	(63%								48		
1					-	Black		Fine-co	arse SAN	NDY GRAVEL, trace	GW		67	Wet	
-	: : :								tht NAPL				98	0-1	
4	<u>00</u>												110		
_	: : :														
25 —													93		
		6	-		65%	Gray	Loose	Fine-co	arse SAN	ND, trace fine-medium	SW		63	1.0	
		'		•	'	'					•			•	
СОМ	MENTS: Bo	oring adv		th a 772	20 DT Dii	rect Push		'		ND, trace fine-medium 2" diameter macrocore.	SW		63		

BORING NO.: DGP-218

Boring handcleared from 0'-5'.

TEST BORING LOG Corporation **BORING NO.: DGP-218** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP **MOISTURE** SAMPLE REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN CODE RQD % COUNT **HARDNESS** Medium gravel. Light NAPL coating and 70 0-1 Dense naphthalene-like odor from 25'-26'. 32.3 0.0 67.9 1.0 Fine-medium SANDY GRAVEL. Light GW Loose 120 NAPL coating and staining. 30 78% Black SW 72 Medium-coarse SAND, some-trace fine gravel. Brown NAPL lightmoderate coating from 30'-32.5'. 70.2 Medium Gray Dense -moderate brown NAPL coating from 0.0 33.5'-35'. -35 97% 8 Loose--light brown light NAPL coating from 1.3 Medium 35'-36.5'. Dense Light Brown 0.8 SILT, some fine-medium sand, trace fine gravel. Light NAPL sheen and ML staining. -40 97% SW 80.4 0-1 9 Light Fine-medium SAND, trace fine-Graymedium gravel. Light NAPL coating Brown 42.5 and light staining, moderate naphthalene-like odor. 39.7 -fine-coarse gravelly sand from 42.5'-Black 13.1 43'. -light-heavy NAPL coating and 66.1 staining from 43'-44.5', black NAPL 10 97% 0-1 Liaht saturation from 44'-45'. 46 Brown 3.2 -Faint naphthalene-like odor and 0.7 sheen from 45'-49'. Fine-medium SAND, some medium--50 coarse gravel. No MGP impacts. 11 97% 0.0 0.0 GP Fine-medium SANDY GRAVEL. No MGP impact. Fine-coarse SAND, trace medium-fine SW gravel. No MGP impact. -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'. **BORING NO.: DGP-218**

TEST BORING LOG URS Corporation **BORING NO.: DGP-219** PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York SHEET: 1 OF 2 **National Grid** CLIENT: JOB NO.: 11175065.00011 F + N**BORING LOCATION:** LIRR ROW, east of site **BORING CONTRACTOR: GROUNDWATER:** ~25' bgs. CAS. SAMPLER CORE TUBE **GROUND ELEVATION: N/A DATE STARTED:** 10/15/08 DATE TIME **LEVEL TYPE TYPE** Macrocore **DATE FINISHED:** 10/15/08 DIA. 2-inch DRILLER: K. Kegel WT. M. Dascoli **GEOLOGIST: FALL** K. Connare * POCKET PENETROMETER READING **REVIEWED BY:** SOIL SAMPLE MGP REC% **MOISTURE MATERIAL DEPTH** CONSISTENCY COLOR PID **STRATA** COLOR USCS **BLOW** DESCRIPTION NO. FEET **ROCK** RQD% HCN CODE COUNT **HARDNESS** 100% FILL Dry Brown Medium 0.0 FILL. Fine-medium sand, some silt Dense- Dense 0.0 and fine-medium gravel, some coal fragments. No MGP impact. Black 2.0 0-1 Dark ML 1.5 0.0 SILT, some clay. Brown 2 75% Brown 52 Light Loose-SW Fine-medium GRAVELLY SAND. No Brown Medium 1.2 MGP impacts. Dense 4.5 0.0 -10 97% Orange Loose 8.5 0-1 Fine-coarse SAND, some fine-Brown medium gravel. No MGP impact. 11.3 0.0 -15 73% Brown Loose-SW-SM 66.2 Fine-medium SAND, some fine-Medium medium gravel and silt. Slight NAPL Dense 11.0 -light NAPL red-brown coating from 18'-25', moderate naphthalene-like 7.5 odor. -20 68% Light 15.2 0-1 Brown 37.5 1.0 Brown SW Moist Fine-medium GRAVELLY SAND. Light NAPL coating, staining, 51.5 moderate naphthalene-like odor. -25 60% Wet 62.3 Fine-coarse SANDY GRAVEL.

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'.

TEST BORING LOG Corporation **BORING NO.: DGP-219** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Moderate to heavy naphthalene-like odor, NAPL coating and staining. 39.2 1.0 Light Brown 36.3 0-1 -30 77% 3.3 2.0 : 🖂 54.3 1.0 SW Fine-coarse SAND, some fine-Orange 0-1 4.3 medium gravel. Dark brown NAPL staining and moderate-heavy NAPL 48.7 1.0 coating. 132 -35 68% 8 Gray-4.9 Fine-medium SAND, trace fine gravel. Light Brown No MGP impacts. 5.8 2.0 3.5 3.6 1.0 1.1 1-2 97% 0.7 0-1 9 Light Fine-coarse SAND, trace fine-medium Brown gravel. No MGP impacts. 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 NO.: DGP-219

			T	ТО	7					TES	ST BO	RING	LOG	ì
			•		S co	rpora	ition			BORING NO.:	DGP-	220		
PROJE	CT/PROJE	CT LOC					Hempstead, I	New York		SHEET:	1 OF	2		
CLIENT	Γ:			Natio	nal Grid					JOB NO. :	11175	5065.000	11	
BORING	G CONTRA	CTOR:		F + N						BORING LOCATION	: LIRR	ROW, Ea	ast of sit	е
GROUN	NDWATER:			~29' b	gs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N:N/A			
DATE	TIME	LEVE	EL	TYPE	TYPE		Macrocore			DATE STARTED:	10/21	/08		
					DIA.		2-inch			DATE FINISHED:	10/21	/08		
					WT.					DRILLER:	M. Me	eade		
					FALL					GEOLOGIST:	J. Har	rshman		
					* F	OCKET F	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
		SA	AMPLE		REC%		SOIL					MGP		MOISTURE
	STRATA	NO.			BOD9/	COLOR					uscs	COLOR	PID	
			СО	UNT	RQD%		HARDNESS					CODE		HCN
0-	XXX	1		-	100%	Black	Loose	FILL. F	ine silty,	loamy sand, trace	FILL		3.0	Moist
1 - 100% Black Loose FILL. Fine silty, loamy sand, trace coal fragments. Petroleum odor. Brown-Gray Soft SILT. Light black petroleum staining, slight petroleum-like odor. ML ML ML ML ML ML ML M														02
-													5.0	
-	XXX					Brown-	Soft				ML			
-														
Brown-Gray Soft SILT. Light black petroleum staining, slight petroleum-like odor. SILT. Light black petroleum staining, slight petroleum-like odor. 3.0 Mo 0- SILT. Light black petroleum staining, slight petroleum-like odor. 3.0 John Color of the c														
		2		-	67%	Black							3.0	2.0
													15	
STRATA SAMPLE REC% NO. BLOW COUNT ROD% ROD% STRATA NO. BLOW COUNT ROD% ROD% ROD% ROD% ROD% ROD% ROD% ROD% RODW RODW RODW RODW RODW RODW RODW ROD														
+								gravel.	Black sta	aining from 7'-9'.			20	
-								Petrole	um-like o	dor throughout.		· · ·		3.0
Brown-Gray Soft SILT. Light black petroleum staining, slight petroleum-like odor. Soft SILT. Light black petroleum staining, slight petroleum-like odor. Soft SILT. Light black petroleum staining, slight petroleum-like odor. Soft SILT. Light black petroleum staining, slight petroleum-like odor. Soft SILT. Light black petroleum staining, slight petroleum-like odor. Soft SILT. Light black petroleum staining, slight petroleum-like odor. Soft SILT. Light black petroleum staining, slight petroleum-like odor. Soft SILT. Light black petroleum staining, slight petroleum-like odor. Soft SILT. Light black petroleum staining, slight petroleum-like odor. Soft SILT. Light black petroleum staining, slight petroleum-like odor. Soft SILT. Light black petroleum staining, slight petroleum-like odor. Soft SILT. Light black petroleum staining, slight petroleum-like odor. Soft SILT. Light black petroleum staining, slight petroleum-like odor.														2.0
FALL GEOLOGIST: J. Harshman POCKET PENETROMETER READING REVIEWED BY: K. Connare														
										loderate petroleum				1.0
													22	
1														
1	. M .												30	2.0
-15 —	A A.	4		-	60%			Fine m	adium CA	IND atrana	SP		80	Dry
4						Brown		petrolei	um-like o	dor and light staining.			70	1.0
-													106	
-													143	
-													192	
-20 —		5		-	67%			-slight p	etroleum	n-like odor from 20'-			117	2.0
1						Brown- Orange							190	
+						Jiange				and light NAPL aphthalene-like odor			220	
+								from 21					160	4.0
1													162	3.0
-25 —		6		-	45%	Orange	Medium Dense	Fine-me	edium SA	AND and GRAVEL.	SP-GP		12	1.0
CON4	IMENITO: D	oring adv	/anoc	d with a S	620 DT D	rect Duc	a George an	d cample	d with a C	2" diameter macrocore				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'.

TEST BORING LOG Corporation **BORING NO.: DGP-220** PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Black NAPL staining at 25'. Slight 2.0 0.0 Ø naphthalene-like odor throughout. Ø 1.0 \boxtimes 0.0 M × Wet -30 52% SW 0.0 80 Fine-medium SAND, little fine gravel. Moderate-heavy NAPL coating and 190 black staining from 30'-32'. Trace sheen from 32'-35'. Naphthalene-like Brown-Loose 50 odor throughout. Orange 30 25 -35 35% Light 0-2 8 Loose-0.0 Fine-coarse SAND, trace fine gravel. Medium Dense Brown No MGP impact. 38% SP 0.0 0.0 9 Loose Fine-medium SAND. No MGP impact. 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'.

STRATA No. BLOW COUNT ROO% ROO% ROOK				T	TR!	5	rnara	ation					RING	LOG	i	
Depty STRATA No. BLOW COUNT ROD's Blow Sile Blow Brown Street Brown	DDO IE	CT/DDO IE	CTIOC						Now Vord							
BORING CONTRACTOR: F + N			CILOC	AIIO			IGP PDI,	nempstead, i	New York	<u>(</u>				4.4		
COMMENTS: -24 bgs CAS. SAMPLER CORE TUBE GROUND ELEVATION: N/A																
DATE TIME LEVEL TYPE DIA 2 sinch DATE STARTED: 10/23/08													HOW, ea	151 01 511	<u>e</u>	
DIAL 2-inch DATE FINISHED: 10/23/08		I	1			-	CAS.		CORE	IUBE			/no			
PALL PRILLER: K. Kogel J. Harshman J. POCKET PENETROMETER READING REVIEWED BY: STRATA No. BLOW ROD% ROD% ROD% ROD% ROD% ROD% ROD% ROD%	DATE	TIME	LEVE	EL	ТҮРЕ	_										
PALL PALL PALL POCKET PENETROMETER READING REVIEWED BY: K. Connare REVIEWED ROP REVIEWED ROP REVIEWED ROP REVIEWED ROP REVIEWED ROP REVIEWED ROP REVIEWED ROP REVIEWED ROP REVIEWED ROP REVIEWED ROP REVIEWED ROP REVIEWED ROP REVIEWED ROP REVIEWED ROP REVIEWED ROP ROP REVIEWED ROP REVIEWED ROP REVIEWED ROP REVIEWED ROP REVIEWED ROP REVIEWED ROP REVIEWED ROP REVIEWED ROP REVIEWED ROP ROP ROP REVIEWED ROP ROP ROP ROP ROP ROP ROP ROP ROP ROP								2-inch								
DEPTH STRATA SAMPLE REC% ROD% RO																
SAMPLE REC% COUNT ROD% RO				-												
DEPTH FEET STRATA No. BLOW COUNT ROD% COLOR CONSISTENCY MATERIAL DESCRIPTION USCS COLOR CO		1				, i	POCKETI		R READIN	<u>G</u>	REVIEWED BY:	N. 00	illiale I I			
COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. COMMENTS: Boring advanced with	DEPTH		SA			REC%	001.00			M	ATERIAL		-	DID	MOISTURE	
1	FEET	SIRAIA	NO.			RQD%	COLOR	ROCK	1	DES	SCRIPTION	USCS	I I	PID	HCN	
1								HARDNESS								
FILL. Coak with sity sand, trace mortar. Little black staining, slight pertoleum odor from 2:3: PEAT and organic material. No MGP impact. No MGP impact.	0-					1000/	DI I		1				1			
petroleum odor from 2*3*. PEAT and organic material. No MGP impact. N			1		-	100%	віаск	very Dense				FILL		0.0		
Dark Brown Silf S																
Second State Seco	1								/					2.0		
Brown Stiff SILT. No MGP impact. ML 0.0	1										iic material. No MGP	PEAT	///////	1.0		
Medium Dense-Dense SP-GP S	+							Stiff	SILL	No MGP i	mpact	ML		0.0		
poorly sorted. Slight petroleum-like odor throughout. Staining from 5'-6'. 10	-5-	mortar. Little black staining, slight petroleum odor from 2'-3'. PEAT and organic material. No MGP impact. Dark Brown Brown Stiff SILT. No MGP impact. Medium Dense- Dense														
odor throughout. Staining from 5'-6'. Solid 4							Dense- Dense						6.0			
Loose Loose -brown staining and petroleum-like odor from 10*-11*- 115 -15 -16 -17 -18 -19 -19 -brown staining and petroleum-like odor from 11*- 12*. Fine-medium gravel. Moderate petroleum-like odor, dark brown staining and moderate coating, slightly tarry. Fine-coarse SAND, trace fine gravel. Petroleum-like odor, heavy petroleum-like staining and coating.	1														Diy	
Losse Lo																
-brown staining and petroleum-like odor from 11'- 12'. Fine-medium SAND, little-some fine-medium gravel. Moderate petroleum-like odor, slightly to provide a staining and moderate coating, slightly tarry. Fine-coarse SAND, trace fine gravel. Petroleum-like odor, heavy petroleum-like staining and coating. Fine-coarse SAND, some fine-medium gravel. No MGP impact. Fine-coarse SAND, some fine														4.0		
COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. Comments Com	1								braum	atainina .	and natralaum lika					
Fine-coarse SAND, little-some fine-medium gravel. Moderate petroleum-like odor, dark brown staining and moderate coating. SW	-10 —		3		-	70%		Loose	odor fro	m 10'-11				5.0	0-1	
Fine-medium SAND, little-some fine-medium gravel. Moderate petroleum-like odor, dark brown staining and moderate coating, slightly tarry. Fine-coarse SAND, trace fine gravel. Petroleum-like odor, heavy petroleum-like staining and coating. Fine-coarse SAND, trace fine gravel. Petroleum-like staining and coating. Fine-coarse SAND, some fine-medium gravel. No MGP impact.	+									oetroleum	ı-like odor from 11'-					
medium gravel. Moderate petroleum- like odor, dark brown staining and moderate coating, slightly tarry. Fine-coarse SAND, trace fine gravel. Petroleum-like odor, heavy petroleum- like staining and coating. 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'. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.	4	<u> </u>								" 04	ND 1991 C	SW		3.0		
ilike odor, dark brown staining and moderate coating, slightly tarry. Fine-coarse SAND, trace fine gravel. Petroleum-like odor, heavy petroleum-like staining and coating. Fine-coarse SAND, trace fine gravel. Petroleum-like staining and coating. 7.0 35 Moist- Dry 0-2 40 Fine-coarse SAND, some fine-medium gravel. No MGP impactheavy brown staining and moderate NAPL coating, moderate naphthalene-like odor from 24.5'-26'. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.	4								mediun	n gravel.	Moderate petroleum-			6.0		
Fine-coarse SAND, trace fine gravel. Petroleum-like odor, heavy petroleum-like staining and coating. Fine-coarse SAND, trace fine gravel. Petroleum-like staining and coating. Fine-coarse SAND, some fine-medium gravel. No MGP impactheavy brown staining and moderate NAPL coating, moderate naphthalene-like odor from 24.5'-26'. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.																
Fine-coarse SAND, trace fine gravel. Petroleum-like odor, heavy petroleum-like staining and coating. Fine-coarse SAND, trace fine gravel. Petroleum-like odor, heavy petroleum-like staining and coating. Fine-coarse SAND, some fine-medium gravel. No MGP impact.	-15 —															
like staining and coating. 100			4		-	60%			Fine-co	arse SAN	ND, trace fine gravel.			35		
20 - 5 - 68%	1															
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'. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.	=									Ü	· ·			40		
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'. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.	+															
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'. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.	-															
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'. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.	-20 —		5		_	68%								70	0-1	
Light Brown-Orange 6 - 68%						0070										
Light Brown-Orange 6 - 68%																
Light Brown-Orange 6 - 68%									/ Fine-co	arse SAN	۰ ND. some fine-			10		
-heavy brown staining and moderate NAPL coating, moderate naphthalene- like odor from 24.5'-26'. COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.	1													15	Wet	
NAPL coating, moderate naphthalene-like odor from 24.5'-26'. NAPL coating, moderate naphthalene-like odor from 24.5'-26'.	1													110		
COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.	-25 —		6		-	68%			NAPL	coating, n	noderate naphthalene-			100	0-1	
	1	·········			ļ					,,UIII <u>2</u> 2	20.					
								h Geoprobe ar	nd sample	d with a 2	2" diameter macrocore.					

BORING NO.: DGP-221

TEST BORING LOG Corporation DGP-221 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % DEPTH CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID ROCK FEET **BLOW** NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** 5.0 Fine-coarse SAND, little-some finemedium gravel. No MGP impact. 2.0 1.0 0.5 50% Loose-0.0 0.0 Medium Dense -35 80% 8 Light Loose 2.0 0-1 -trace cobble from 35'-40'. Brown 4.0 2.0 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'.

			T	Ф	7		45			TES	T BO	RING	LOG	Ì
			U		Col	rpora	ition			BORING NO.:	DGP-	222		
PROJE	CT/PROJE	CT LOC					Hempstead, I	New York		SHEET:	1 OF	2		
CLIENT	Γ:			Nation	nal Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:		F + N						BORING LOCATION:	LIRR	ROW, ea	st of Sit	е
GROUN	IDWATER:			~28' b	gs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N:N/A			
DATE	TIME	LEV	EL	TYPE	TYPE		Macrocore			DATE STARTED:	10/21	08		
					DIA.		2-inch			DATE FINISHED:	10/21	08		
					WT.					DRILLER:	M. Me	ade		
					FALL					GEOLOGIST:	J. Har	shman		
					* P	OCKET I	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
		S	AMPLE		REC%		SOIL		M	ATERIAL		MGP		MOISTURE
DEPTH FEET	STRATA	NO.	BLC		RQD%	COLOR	CONSISTENCY ROCK HARDNESS			SCRIPTION	uscs	COLOR CODE	PID	HCN
											<u>I</u>	<u> </u>		l
0		1	-	•	100%	Dark Brown	Medium Dense	FILL. F organic MGP in	matter, t	y silty sand, trace race fine gravel. No	FILL		0.0	Moist- Dry 0.0
-								PEAT a impact.		ic material. No MGP	PEAT			
+								Fine SI	I TV SAN	D. No MGP impact.	SM			
-5-		2	-		75%			Tille on	LIT OAN	D. No War Impact.			0.0	0.0
						Light Brown	Loose			ID, little-some fine- Io MGP impact.	SW			Dry
-10 —		3	-		70%	Light							0.0	0.0
- - -		Ü			70%	Brown- Orange							0.0	0.0
-15 — - - -		4	-		65%								0.0	0-1
-20 —		5	-		65%								2.0	3.0
													0.0	2.0
														1.0
-25 —		6	-	-	53%	Brown- Orange	Medium Dense						0.0	0-1
COM	MENTS: Bo	oring ad	vanced	I with a 6	620 DT Di	rect Pus	h Geoprobe an	d sample	d with a 2	" diameter macrocore.				

Borehole backfilled with cement-bentonite grout to grade.

Boring handcleared from 0'-5'.

TEST BORING LOG Corporation DGP-222 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE MOISTURE REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID ROCK FEET **BLOW** NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Wet 47% Loose-SP 0.0 0-1 Fine-coarse SAND, little poorly graded Medium fine-medium gravel. No MGP impact. Dense 50% 0.0 0-1 8 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. Borehole backfilled with cement-bentonite grout to grade. Boring handcleared from 0'-5'. **BORING NO.: DGP-222**

			TTD	C .		4=			TES	т во	RING	LOG	ì
			UR	O Co	rpora	ation			BORING NO. :	DGP-	223		
PROJE	CT/PROJE	CT LOC	ATION: Nation	onal Grid M	GP PDI	Hempstead, N	New York	(SHEET:	1 OF	2		
CLIENT	Γ:		Nati	onal Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:	F+1	1					BORING LOCATION:	LIRR	ROW, ea	st of Sit	e
GROUN	NDWATER:		~25'	bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N:N/A			
DATE	TIME	LEVE	L TYPE	TYPE		Macrocore			DATE STARTED:	10/24/	/08		
				DIA.		2-inch			DATE FINISHED:	10/24/	/08		
				WT.					DRILLER:	K. Ke	gel		
				FALL					GEOLOGIST:	M. Da	scoli		
				* P	OCKET	PENETROMETE	R READIN	ıG	REVIEWED BY:	K. Co	nnare		
		SA	MPLE	REC%		SOIL			.===		MGP		MOISTURE
DEPTH FEET	STRATA	NO.	BLOW		COLOR	CONSISTENCY ROCK			ATERIAL SCRIPTION	uscs	COLOR	PID	HON
			COUNT	RQD%		HARDNESS					CODE		HCN
0		1	-	100%	Dark Brown	Dense	FILL. A	Asphalt fro	om 0'-0.25', sand with	FILL		0.0	Dry
+					DIOWII		silt, sor	ne asphal	lt, coal fragments, and impacts.				0.0
+							gravei.	. NO MGF	impacis.				
4													
1				-	Links	Maratta and	SILT, s	ome fine-	medium sand, trace				
-5-					Light Brown	Medium Dense- Dense	fine gra	ıvel.		ML			
٦		2	-	93%		Loose			NDY GRAVEL. No	GW		0.0	0.0
1	10: 10						MGP in	npacts.					
1	:												
+													
4					Brown								
-10 —	<i>D</i> : <i>D</i>	3		77%	Orange-	Medium				GP		0.2	0.0
		3	-	7770	Brown	Dense- Dense			NDY GRAVEL, trace d. No MGP impacts.	GF		0.2	
							Siit, pot	only solice	i. No Mai impacts.				0-1
												0.3	
1				-	Brown		Fine-co	arse SAN	ND, some fine-	SW			0.0
+								n gravel, t				0.4	0-1
-15 —		4	-	68%	Light	Loose						0.1	0.0
4					Brown								
					Brown								
1													
-20 —		5	-	65%		Loose-						0.1	0.0
+						Medium Dense							
4				-	Orange-	Loose							
4					Brown	Dense				GW		0.2	
						Delige	Fine-m MGP in		NDY GRAVEL. No	GVV		0.2	
25	\(\frac{1}{2}\) \(\frac{1}2\) \(\frac{1}2\) \(\frac{1}2\) \(\frac{1}2\) \(\frac{1}2\) \(\frac{1}2\) \(\frac{1}							•					
-25 —		6	-	62%		Medium Dense- Dense	-faint na 30'.	aphthalen	e-like odor from 25'-			1.1	Wet 0-1
1	. <u> </u>	ı	!				1			ı			, ,
0014	MENTO. D	oring oder	anced with a	6630 DT D:	root Duo	h Gaonraha an	d cample	d with a c	2" diameter macrocore.				
1 ((()(/)	INITIALS: DO	niiiu auv	anceu wiii a	ひひとひ レエ レト	i c ul FUS	n deublube all	u saiiible	u willia 2	. uiametei matrutule.				

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'.

TEST BORING LOG Corporation DGP-223 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE MOISTURE REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID FEET **BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** 1.2 1.3 1.4 73% Loose-SW 4.2 0-1 Medium-coarse SAND, little fine Medium gravel, trace silt. Faint naphthalenelike odor. Dense 4.4 5.4 5.8 6.8 -35 End of boring at 35' 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'.

			TT	RS	Co		4100				ST BO		LOG	
							BORING NO. :	DGP-2						
		CT LOC	CATION:			GP PDI,	Hempstead, I	New York	(SHEET:	1 OF			
CLIENT	:				al Grid					JOB NO. :		065.000		
	G CONTRA			F + N						BORING LOCATION:		ROW, ea	st of Sit	
GROUN	IDWATER:	1		~29' bo	gs '	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATIO				
DATE	TIME	LEV	EL	TYPE	TYPE		Macrocore			DATE STARTED:	10/22/			
					DIA.		2-inch			DATE FINISHED:	10/22/			
					WT.					DRILLER:	M. Me			
					FALL					GEOLOGIST:		shman		
					* P	OCKET	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Cor	nnare		
DEDTU		S	AMPLE		REC%		SOIL		M	ATERIAL		MGP		MOISTURE
DEPTH FEET	STRATA	NO.	BLO\ COUN		RQD%	COLOR	CONSISTENCY ROCK HARDNESS			SCRIPTION	USCS	COLOR	PID	HCN
0-		1	-		100%	Dark Brown	Loose	FILL. L MGP in		e silty sand. No	FILL		0.0	Dry 0.0
-5 -		2	-		55%	Brown- Light Brown	Medium Dense- Dense	Fine-co MGP in		ND and GRAVEL. No	SP-GP		0.0	0.0
10 —	⊠ ⊠	3	-		68%	Light Brown	Loose		n gravel, v	ND, little-some fine- well graded. No MGP	SW		0.0	0.0
- - - -		4	-		58%	Light Brown- Orange							0.0	0-1
20 — - - -		5	-		67%								0.2	0-1
25 —		6	-		53%		Medium Dense- Dense	Fine-m	edium SA	ND 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'.

TEST BORING LOG Corporation DGP-224 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID FEET **BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** No MGP impact. Wet 47% Light Medium SW 0.0 0-1 Fine-coarse SAND, little fine-medium Brown-Dense gravel, well graded. Gray -35 SP 47% Loose-Medium Dense 8 Light 0.0 0.0 Fine-coarse SAND, little poorly graded Brown-Orange fine-coarse gravel. No MGP impact. 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. Borehole backfilled with cement-bentonite grout to grade. Boring handcleared from 0'-5'. **BORING NO.: DGP-224**

			T	Т	C					TES	ST BO	RING	LOG	ì	
				JR	S co	rpora	ation			BORING NO. :	DGP-	226			
PROJE	CT/PROJE	CT LOC	CATIO	N: Natio	onal Grid N	IGP PDI	, Hempstead, I	New York	(SHEET:	1 OF	2			
CLIENT	Γ:			Natio	onal Grid					JOB NO. :	11175	065.000	11		
BORING	G CONTRA	CTOR:		F+N	1					BORING LOCATION	LIRR	ROW, ea	st of Sit	e	
GROUN	NDWATER:			~25'	bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATIO	N: N/A				
DATE	TIME	LEV	EL	TYPE	TYPE		Macrocore			DATE STARTED:	10/22	/08			
					DIA.		2-inch			DATE FINISHED:	10/22	/08			
					WT.					DRILLER:	K. Ke	gel			
					FALL					GEOLOGIST:	M. Da	scoli			
					* 1	POCKET	PENETROMETE	R READIN	⊔ IG	REVIEWED BY:	K. Co	nnare			
		9	ΔΜΡΙ	F	DEC%		SOIL					MGP		MOISTURE	
DEPTH	STRATA				nEU%	COLOR					USCS	COLOR	PID	MOISTURE	
FEET		NO.			RQD%		DES	SCRIPTION		CODE		HCN			
	<u> </u>						<u> </u>			l					
0-	RQD% COUNT RQD% BLOW COUNT ROCK HARDNESS DESCRIPTION BCCODE HCN HCN HCN HCN HCN DESCRIPTION OUT ROCK HARDNESS FILL. Clay with some sand, some asphalt, trace wood fragments. No														
-	WT. GEOLOGIST: K. Kegel FALL GEOLOGIST: M. Dascoli *POCKET PENETROMETER READING REVIEWED BY: K. Connare STRATA NO. BLOW COUNT RQD% **RQD%** **ROCK HARDNESS** **THATA NO. Dark Brown **THATA NO. Dark Brown **THATA NO. BLOW COUNT RQD% **THATA NO. Dark Brown **THA														
	STRATA SAMPLE REC% NO. BLOW COUNT RQD% COLOR RQD% RQD% RQD% SOIL CONSISTENCY ROCK HARDNESS MATERIAL DESCRIPTION USCS MGP COLOR CODE PID HCN MOISTURE HCN Dark Brown FILL. Clay with some sand, some asphalt, trace wood fragments. No														
	TOUNT HOD'S HARDNESS CODE HCN CODE HCN TOUNT TOUNT TOUNT HARDNESS CODE HCN TOUNT TOUNT TOUNT TOUNT HARDNESS TOUNT TOUNT TOUNT HARDNESS CODE HCN TOUNT TOU														
	Brown FILL. Clay with some sand, some 0.0														
1	Brown FILL. Clay with some sand, some asphalt, trace wood fragments. No MGP impact.														
-5		2		-	97%								0.0	0.0	
+	$\times\!\!\times\!\!\times$					Brown		CLAY.	No MGP	impact.	CL				
4							Loose-				SW				
							Medium Dense			ND, some fine- ace silt. No MGP	""				
							Delise	impact.							
10 —		3		-	80%		Medium Dense	Ī					0.0	0.0	
1							Delise								
+															
4															
_															
15 —															
13		4		-	73%		Loose- Medium			ND, some fine-			0.0	0-1	
1							Dense	mediun	n gravel.	No MGP impact.					
1															
-															
4															
20 —					000/	0							0.0	0.4	
		5		-	80%	Orange- Brown				ND, some fine-			0.0	0-1	
								impact.		ace silt. No MGP					
1															
+															
+															
25 —		6		_	78%						SP-GP		0.0	Wet	
		5			7076			Fine-m	edium GF	RAVELLY SAND. No	Joi -Gi		0.0	0-1	
	<u> </u>														
COM	MENTS: Bo	oring ad	vance	ed with a	7720 DT D	irect Pus	h Geoprobe an	d sample	d with a 2	2" diameter macrocore.					

Borehole backfilled with cement-bentonite grout to grade.

Boring handcleared from 0'-5'.

TEST BORING LOG Corporation **BORING NO.: DGP-226** PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID FEET **BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** MGP impact. SW Fine-coarse SAND, trace fine gravel. 68% Brown Loose SW-GW 0.0 0.0 Fine-coarse GRAVEL and SAND. No MGP impact. SW 97% Loose-Medium Dense 0.0 0.0 Fine-coarse SAND, trace fine gravel. Light Brown GP Fine-medium SANDY GRAVEL. 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'. **BORING NO.: DGP-226**

			T	Т	C .					TES	T BO	RING	LOG	<u> </u>	
			J	JR	S co	rpora	ation			BORING NO.:	DGP-	228			
PROJE	CT/PROJE	CT LOC	CATIO	N: Natio	onal Grid N	IGP PDI	, Hempstead, I	New York	(SHEET:	1 OF	2			
CLIENT	Γ:			Natio	onal Grid					JOB NO. :	11175	065.000	11		
BORING	G CONTRA	CTOR:		F + N	1					BORING LOCATION:	LIRR	ROW, ea	ast of Si	te	
GROUN	NDWATER:			~29'	bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N:N/A				
DATE	TIME	LEV	EL	TYPE	TYPE		Macrocore			DATE STARTED:	10/22/	/08			
					DIA.		2-inch			DATE FINISHED:	10/22/	/08			
					WT.					DRILLER:	M. Me	ade			
					FALL					GEOLOGIST:	J. Har	shman			
					* 1	POCKET	PENETROMETE	R READIN	⊔ IG	REVIEWED BY:	K. Co	nnare			
			AMDI	_			SOIL					MGB		MOIOTURE	
DEPTH	STRATA				REU%	COLOR					USCS	COLOR	PID	MOISTURE	
FEET		NO.			RQD%		ROCK HARDNESS		DES	SCRIPTION		CODE		HCN	
0-		1		_	100%	Dark	Medium	Ι.			FILL		0.0	Moist	
	WT. GEOLOGIST: J. Harshman *POCKET PENETROMETER READING REVIEWED BY: K. Connare *TH STRATA NO. BLOW COUNT ROD% COUNT ROD% COUNT ROCK HARDNESS **BLOW COUNT ROD% COUNT ROD% COUNT ROCK HARDNESS **BOCK HARDNESS **BOCK HARDNESS **BOCK HARDNESS **FILL Fine loamy sitty sand, trace coal. No MGP impact. **Brown Soft SILT. No MGP impact. **Brown Soft SILT. No MGP impact. **DOWN COUNT ROCK COUNT ROCK COAL. NO MGP impact. **Brown Soft SILT. No MGP impact. **DOWN COUNT ROCK COAL. NO MGP impact. **Brown Soft SILT. No MGP impact. **DOWN COUNT ROCK COAL. NO MGP impact. **DOWN COAL														
	TOWNO. BLOW COUNT RQD% COLON ROCK HARDNESS DESCRIPTION CODE HCN 1 - 100% Dark Rock HARDNESS FILL. Fine loamy silty sand, trace FILL 0.0 Moist 0.0														
	$ $ \langle $ imes$ $ imes$ $ imes$ $														
1															
1	Brown Soft SILT. No MGP impact. Soft Silt Si														
-5-		2		-	73%	Black	Stiff				PEAT		0.0	Dry	
4								PEAI.	NO MGP	ітраст.				0.0	
						-									
						Brown		SILT. I	No MGP i	mpact.					
							Loose	Fine-co	arse SAN	ND and GRAVEL.	GW				
1															
DEPTH FEET STRATA NO. BLOW COUNT NO. BROWN															
+								gravel.	No MGP	impact.					
Brown Soft SILT. No MGP impact. Brown Soft SILT. No MGP impact. PEAT O.0 Brown Soft SILT. No MGP impact. Brown Silt. N															
4															
4.5															
15 —		4		-	70%								0.0	0.0	
1															
+															
-															
_															
20 —															
		5		-	60%		Medium Dense			ND, trace-little well			0.0	0.0	
1								graded impact.		ium gravel. No MGP					
7								'							
+															
4															
25 —		6		_	58%		Lagar						0.0	0.0	
		6		-	30%		Loose- Medium						0.0	0.0	
COM	MENTS: Bo	oring ad	vance	ed with a	6620 DT D	irect Pus	h Geoprobe an	d sample	d with a 2	2" diameter macrocore.					

Borehole backfilled with cement-bentonite grout to grade.

Boring handcleared from 0'-5'.

TEST BORING LOG Corporation DGP-228 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID FEET **BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Dense Wet 48% Orange-Dense SW-GW 0.0 0.0 Fine-coarse SAND and GRAVEL, Brown poorly graded. SW 47% Medium 8 Light 0.0 0.0 Fine-coarse SAND, little fine-medium Brown-Dense well graded gravel. No MGP impact. Orange 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. Borehole backfilled with cement-bentonite grout to grade. Boring handcleared from 0'-5'. **BORING NO.: DGP-228**

			TTD	20		.=			TES	T BO	RING	LOG	i
			OL	LS c.	rpora	ation			BORING NO.:	DGP-	231		
PROJE	CT/PROJE	CT LOC	ATION: Na	tional Grid N	IGP PDI	Hempstead, I	New York	(SHEET:	1 OF	2		
CLIENT	Γ:		Na	tional Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:	F+	- N					BORING LOCATION:	GC Pa	ark		
GROUN	NDWATER:		~2	5' bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N:N/A			
DATE	TIME	LEVI	EL TYP	E TYPE		Macrocore			DATE STARTED:	11/5/0)8		
				DIA.		2-inch			DATE FINISHED:	11/5/0)8		
				WT.					DRILLER:	B. Ra	th		
				FALL					GEOLOGIST:	J. Har	shman		
				*	POCKET	PENETROMETE	R READIN	IG .	REVIEWED BY:	K. Co	nnare		
		S	AMPLE	REC%		SOIL					MGP		MOISTURE
DEPTH FEET	STRATA	NO.	BLOW	BOD9/	COLOR	CONSISTENCY ROCK	-		ATERIAL SCRIPTION	uscs	COLOR	PID	
			COUNT	RQD%		HARDNESS					CODE		HCN
		•					•						
0-	XXX	1	-	100%	Dark	Loose-	FILL	oamy fin	e sand, little slag	FILL		0.0	Dry
-					Brown	Medium Dense			SP impacts noted.				0.0
-													
_													
_													
-5		2	-	55%	Light Brown	Loose			ID, little fine-coarse	SW		0.0	0.0
-					Brown		gravel.	No MGP	impact				
+													
-													
-10 —													
		3	-	68%	Orange- Brown	Loose- Medium						0.0	0.0
1						Dense							
+													
+													
-													
-15 —		4		72%	Light								0-1
		4	-	12/0	Brown								0-1
												0.8	
7												0.7	
7													
+												1.0	
-20 —	· · · · · · · · · · · · · · · · · · ·	5	-	58%	Orange-					SW		0.0	0.0
_					Brown		Fine-co	arse SAN	ID, trace fine gravel.				
												0.5	
1							-liaht. h	rown NA	PL staining and faint			1.0	
7							naphth	alene-like	odor from 24'-25'.			2.0	4.0
-25 —	• • • • • • • •	6	-	58%			Fine-m	edium SA	ND. Light, brown	SP		72	Moist
	······	l		1			NAPL s	staining, f	aint naphthalene-like				2.0
COM	MENTS: Bo	oring adv	vanced with	a 6620 DT D	irect Pus	h Geoprobe an	nd sample	d with a 2	2" diameter macrocore.				

Borehole backfilled with cement-bentonite grout to grade.

Boring handcleared from 0'-5'.

TEST BORING LOG Corporation **BORING NO.:** DGP-231 PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN CODE RQD % COUNT **HARDNESS** Light Medium SM 16 Wet odor. Brown Dense 1.0 15 Fine SILTY SAND. Faint naphthalene-like odor, no staining. 52% SW 1.0 0.0 Fine-medium SAND, trace-little finecoarse gravel. Faint naphthalene-like 2.0 odor. 3.0 5.0 1.0 6.0 -35 GW 55% 0.0 8 1.9 Fine-coarse SAND and GRAVEL, trace cobble. Faint naphthalene-like 4.1 odor. 6.2 6.6 19.3 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. Borehole backfilled with cement-bentonite grout to grade. Boring handcleared from 0'-5'. **BORING NO.: DGP-231**

STRATA No. BLOW COUNT ROD% COLOR CONSISTENCY DESCRIPTION USCS COLOR PID HON				TTD	2					TES	T BO	RING	LOG	ì
MOSING CONTRACTOR: F + N				ON	D Co	rpora	ation			BORING NO. :	DGP-	233		
BORING CONTRACTOR: F + N	PROJE	CT/PROJE	CT LOC					New York	(SHEET:	1 OF	3		
Company Comp	CLIENT	Γ:		Nat	ional Grid					JOB NO. :	11175	065.000	11	
DATE TIME LEVEL TYPE Macrocore DATE STARTED: 11/4/08	BORING	G CONTRA	CTOR:	F+	N					BORING LOCATION:	GC Pa	ark		
DIA	GROUN	NDWATER:		~20)' bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N:N/A			
WT.	DATE	TIME	LEVE	EL TYPI	ТҮРЕ		Macrocore			DATE STARTED:	11/4/0)8		
FALL POCKET PENETROMETER READING REVIEWED BY: K. COMPATER					DIA.		2-inch			DATE FINISHED:	11/5/0)8		
POCKET PENETROMETER READING REVIEWED BY: K. CONDATE SAMPLE REC% SOIL ROSKSTENCY ROCK ROCK RARDNESS REVIEWED BY: K. CONDATE ROCK ROCK ROCK ROCK RARDNESS ROCK ROCK RARDNESS ROCK ROCK RARDNESS ROCK RARDNESS ROCK RARDNESS ROCK ROCK RARDNESS ROCK ROCK RARDNESS ROCK					WT.					DRILLER:	K. Ke	gel		
DEPTH STRATA No. BLOW ROD% COURT ROD% COURT ROD% COURT ROD% RO					FALL					GEOLOGIST:	M. Da	scoli		
Depth FEET STRATA No. BLOW ROD% COLOR ROD% COUNT ROD%					*	POCKET	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare		
DEPTH FEET STRATA NO. BLOW COUNT ROD% COLOR CONSTSTENCY HARDNESS DESCRIPTION USCS COLOR PID HCN TO DESCRIPTION DESCRIPTION USCS COLOR PID HCN TO DESCRIPTION USCS COLOR PID HCN HCN MATERIAL DESCRIPTION USCS COLOR PID HCN HCN MATERIAL DESCRIPTION USCS COLOR PID HCN HCN MATERIAL DESCRIPTION USCS COLOR PID HCN HCN HCN HCN HCN HCN HCN HCN				AMPI F	DEC%		SOIL	I				MGP		MOISTURE
NO. COUNT RAD% RAD% RADWS DESCRIPTION CODE HCN		STRATA	1		HEC /8	COLOR					USCS	I	PID	MOISTURE
1	FEET		NO.		RQD%				DES	SCRIPTION		CODE		HCN
1					l									
Dense Dens	0-	K X X X	1	-	100%	Brown	Medium	Γ			FILL		0.0	Dry
MGP impacts.	_													
10 2 97% Light Brown Losse Fine-coarse SAND, some-little fine-coarse gravel. No MGP impacts. 0.0 0.0 0.0														
10 - 3														
10 - 3	7													
10 - 3	-													
10 3 72% 0.0 0	-5-		2	-	97%	Light	Loose			ID Pul C	SW		0.0	0.0
20	4													
20										·				
20														
20														
20	1													
20 - State of the second of th	-10 —		3	-	72%								0.0	0.0
Light Brown Dense SAND, trace fine-coarse SAND, trace fine-coarse gravel. Faint naphthalene-like odor. Brown Loose-Medium Dense Medium Dense Dense Brown APL coating from 22'-25.5'. Brown Dense SAND, trace fine-coarse SW 0.0 Wet 0-1 8.0 25	4													
Light Brown Dense SAND, trace fine-coarse SAND, trace fine-coarse gravel. Faint naphthalene-like odor. Brown Loose-Medium Dense Medium Dense Dense Brown APL coating from 22'-25.5'. Brown Dense SAND, trace fine-coarse SW 0.0 Wet 0-1 8.0 25														
Light Brown Dense SAND, trace fine-coarse SAND, trace fine-coarse gravel. Faint naphthalene-like odor. Brown Loose-Medium Dense Medium Dense Dense Brown SM Dense SAND, trace fine-coarse SAND, trace														
20 - State of the second of th	1													
20 - State of the second of th	1													
Light Brown Loose Fine-coarse SAND, trace fine-coarse gravel. Faint naphthalene-like odor. Brown Brown Loose-Medium Dense Brown Brown Brown Loose-Medium Dense Brown Brown Dense Brown Dense SW 0.0 Wet 0-1 8.0 25 75 75 78 0-1	-15 —		4	-	70%								0.0	0.0
Light Brown Simple Coarse SAND, trace fine-coarse gravel. Faint naphthalene-like odor. Brown Loose-Medium Dense Brown Dense SW 0.0 Wet 0-1 8.0 25 75 76 78 0-1	-						Dense							
Fine-coarse SAND, trace fine-coarse gravel. Faint naphthalene-like odor. Brown _														
Fine-coarse SAND, trace fine-coarse gravel. Faint naphthalene-like odor. Brown														
Fine-coarse SAND, trace fine-coarse gravel. Faint naphthalene-like odor. Brown														
Fine-coarse SAND, trace fine-coarse gravel. Faint naphthalene-like odor. Brown Loose-Medium Dense Medium Dense Prown staining and 0.5' to 1' layers of moderate-heavy NAPL coating from 22'-25.5'. The coarse SAND, trace fine-coarse gravel. Faint naphthalene-like odor. SW 0.0 Wet 0-1 8.0 25 75 75 75 75 75 75 75 75 76 77 78 78							Loose	Ī						
Brown Loose-Medium Dense Gravel. Faint naphthalene-like odor. moderate naphthalene-like odor, brown staining and 0.5' to 1' layers of moderate-heavy NAPL coating from 22'-25.5'. 75 78 0-1	-20 —	<u> </u>	5	-	N/A	Diowii		Fine-co	arso SAN	ND trace fine-coarse	SW		0.0	
Medium Dense brown staining and 0.5' to 1' layers of moderate-heavy NAPL coating from 22'-25.5'. 75 78 0-1	+	::::::::											8.0	0-1
Medium Dense brown staining and 0.5' to 1' layers of moderate-heavy NAPL coating from 22'-25.5'. 75 78 0-1	-					Brown	Looso	-moder	ate naphi	thalene-like odor.			25	
22'-25.5'. 75 78 0-1						DIOWII	Medium	brown	staining a	nd 0.5' to 1' layers of			20	
25 — N/A Light Brown Dense SM							Dense			INAPL coating from				
Brown Dense SM	7												75	
	-25 —		6	-	N/A	Light	•				<u> </u>		78	0-1
COMMENTS: Boring advanced with a 7720 DT Direct Push Geographe and campled with a 2" diameter macrosors	1		l		1	Rrown	Dense	I			SM			l
TO COMPANIANCE DE LA CONTROL ADVANCIA DE LA ZUELLA ENGLA POCA LA CONTROLA SUN COMPINA A SU PROMOTOR MONTO CONTROLA DE LA CONTROLA DE LA CONTROLA DE LA CONTROLA DE LA CONTROLA DE LA CONTROLA DE LA CONTROLA DE LA CONTROLA DE LA CONTROLA DE LA CONTROLA DE LA CONTROLA DE LA CONTROLA DE LA CONTROLA DE LA CONTROLA DE LA CONTROLA DE LA CONTROLA DE LA CONTROLA DE LA CONTROLA DE LA CONTROLA DEL CONTRO	0011	MENITO D	oring od	ranged with	7700 DT D	iroot D.:-	h Coopyaha ar	d commi-	م طانید ام	O" diameter massass:				

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'.

TEST BORING LOG Corporation **BORING NO.: DGP-233** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN CODE RQD % COUNT **HARDNESS** Fine SAND. Faint naphthalene-like odor and sheen from 25.5'-26.5'. -no MGP impacts from 26.5'-30'. 4.0 4.3 97% GW 0-1 Loose-3.4 Fine-medium SAND and GRAVEL. Medium Faint naphthalene-like odor. Dense 4.3 1 1 5.2 6.2 -35 SW 97% Medium 0-1 8 2.1 Fine-coarse SAND, some fine-coarse Dense gravel. Faint naphthalene-like odor. 11.1 8.8 7.7 10.7 -40 97% 0-1 9 0.0 2.0 0.1 SP 10 97% Loose 1.5 0-1 Fine-medium SAND. Faint naphthalene-like odor. SW Fine-coarse SAND, little fine-coarse gravel. 1" of brown NAPL staining -50 and moderate NAPL coating from 11 97% 0.0 0.0 49.9'-50'. Faint naphthalene-like odor. 0-1 23.4 1-2 30.1 0-1 Fine SAND and SILT. No MGP -55 72% Orange-SM 41 1.0 impact. Brown GP 67.5 0.0 Fine-coarse SAND and fine GRAVEL. No MGP impact. 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'.

TEST BORING LOG URS Corporation DGP-233 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 3 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** GW 56 Fine-coarse GRAVEL, little-some cobbles. No MGP impact. 58 -60 SP 13 97% Light Loose-37 0-1 Fine-medium SAND, trace coarse Brown Medium gravel. Faint naphthalene-like odor. Dense 45 58 -65 Medium SW-SM 14 N/A 0-1 Fine SAND, little silt, trace clay. Faint Dense naphthalene-like odor. 5.1 7.6 -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'.

			T	Т	C					TES	т во	RING	LOG	İ
			J	JR	S c.	rpora	ation			BORING NO.:	DGP-	234		
PROJE	CT/PROJE	CT LOC	CATIO	N: Natio	onal Grid N	IGP PDI,	Hempstead, I	New York	(SHEET:	1 OF	2		
CLIENT	:			Natio	onal Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:		F + N	ı					BORING LOCATION:	GC Pa	ark		
GROUN	IDWATER:			~25.	ō' bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	1 : N/A			
DATE	TIME	LEV	EL	TYPE	TYPE		Macrocore			DATE STARTED:	11/6/0	8		
					DIA.		2-inch			DATE FINISHED:	11/6/0	18		
					WT.					DRILLER:	B. Rat	th		
					FALL					GEOLOGIST:	J. Har	shman		
					* 1	POCKET	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
		s	AMPL	E	REC%		SOIL			ATERIAL		MGP		MOISTURE
DEPTH FEET	STRATA	NO.		Low	RQD%	COLOR	CONSISTENCY ROCK			ATERIAL SCRIPTION	USCS	COLOR	PID	HCN
			CC	DUNT	ngD /6		HARDNESS					CODE		HCN
0	<u>, </u>	1		-	100%	Dark Brown	Loose	TOPSO	OIL.		Topsoil		0.0	Dry
-						DIOWII		10000	/ fine CAI	ND, some fine-	SM			0.0
-										trace tree roots.				
4														
-5—														
~		2		-	53%	Light Brown				ND, some fine-	SW		0.0	0.0
								mediun	n gravel					
-														
-														
-														
10 —		3			53%	Orongo							0.0	0.0
		3		-	53%	Orange- Brown							0.0	0.0
1														
1														
-														
15 —		4		-	60%	Light							0.0	0.0
4						Brown								
20 —		5		-	55%	Brown	Loose- Medium	Fine-co	arse SAN	ND, trace fine gravel.			0.1	Moist
-							Dense	Faint na	aphthaler	ne-like odor, sheen.			0.0	3.0 1.0
-													0.1	2.0
													15	
										ND, trace fine gravel. , light NAPL coating,				1.0
<u>, </u>								faint- m	oderate r	naphthalene-like odor.			16	2.0
25 —		6		-	58%	Light Brown	Medium Dense- Dense				SP		17	Wet
'	• • • • •		ı	ļ		1 2.3	_ 555 _ 501.00	I						l
0.511	NATA : T.C. C.			الكينيات	2 72 2022	lugar D	h O '		ء بالكينياء	NI diamatan				1
	MENTS <u>:</u> B nole backfil						n Geoprobe an	ıd sample	a with a 2	2" diameter macrocore.				

BORING NO.: DGP-234

TEST BORING LOG Corporation **BORING NO.: DGP-234** PROJECT: National Grid MGP PDI, Hempstead, New York 2 SHEET: 2 OF **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Fine SAND. Faint naphthalene-like 3.0 1.0 odor. Gray-Medium Dark Dense Gray 4.0 2.0 52% SW 1.0 Light 7.0 Fine-coarse SAND, trace fine-medium Brown gravel. Faint naphthalene-like odor. 6.0 3.0 5.0 Fine-coarse SAND, little fine-coarse gravel. Faint naphthalene-like odor. 8.0 2.0 0.0 -35 47% 8 0.0 2.0 14 10 3.0 -light NAPL sheen from 39'-40'. 43% 0.0 0.0 9 Loose-Fine-coarse SAND, trace-little fine-Medium Dense medium gravel. No MGP impact. 43% 10 Light Loose 0.0 0.0 Brown-Orange -50 45% 11 Loose-0.0 0.0 Medium Dense -55 End of boring at 55' bgs. COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.

BORING NO.: DGP-234

Borehole backfilled with cement-bentonite grout to grade.

			IΠ	S co		41					RING	LOG	i		
									BORING NO. :	DGP-	235				
		CT LOC			MGP PDI,	Hempstead, I	New York	(SHEET:	1 OF	2				
CLIENT	:		Nat	ional Grid					JOB NO. :		065.000	11			
	G CONTRA		F+					ı	BORING LOCATION:		ark				
	IDWATER:)' bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION		'00				
DATE	TIME	LEVE	L TYPI			Macrocore			DATE STARTED:	11/10/					
				DIA.		2-inch			DATE FINISHED:	11/10/					
				WT.					DRILLER:	M. Me					
				FALL					GEOLOGIST:		shman				
	I I			*	POCKET	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare				
DEPTH		SA	MPLE	REC%		SOIL CONSISTENCY		M	IATERIAL		MGP	DID	MOISTURE		
FEET	STRATA	NO.	BLOW COUNT	RQD%	COLOR	ROCK		DES	SCRIPTION	USCS	COLOR	PID	HCN		
						HARDNESS									
0										- "	T				
	TOPSOIL. No MGP impact. Topsoil Topsoil Topsoil Topsoil SM O.0 Dry O.0 MGP impact. Fine-medium LOAMY SAND, trace organic material, trace fine gravel. No MGP impact.														
	ROCK HARDNESS No. BLOW COUNT RQD% ROCK HARDNESS DESCRIPTION ROCK HARDNESS CODE HCN														
	1 - 100% Dark Brown Dense TOPSOIL. No MGP impact. Topsoil SM 0.0 Dry 0.0 Fine-medium LOAMY SAND, trace organic material, trace fine gravel. No														
1															
+															
-5—		2	-	88%	Brown-					SW		0.0			
4	organic material, trace fine gravel. No MGP impact.														
								J	•						
-10 —		3	-	85%								0.0	0.0.		
+															
4															
4															
-15 —															
-15		4	=	N/A		Loose						0.0	0.0		
1															
-															
-															
4															
-20 —		-		45%						SP		0.0	Wet		
		5	-	45%					ND, trace poorly lium gravel. No MGP	5P		0.0	Wet 0.0		
							impact.		ium gravei. No MGP						
1															
+															
+															
-25 —		6	_	47%	Light	Loose-				SM		0.0	0.0		
				77 /0	Brown	Medium	Fine-m	edium SA	AND. No MGP impact.	Jivi		5.0	0.0		
						h Geoprobe an	d sample	d with a 2	2" diameter macrocore.						
Bore	hole backfil	led with	cement-bent	onite arout t	o grade.				·						

BORING NO.: DGP-235

TEST BORING LOG Corporation DGP-235 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Dense 45% SP 0.0 0-2 Fine-coarse SAND, trace poorly graded fine-medium gravel. No MGP 0.0 impact. 47% Brown-0.0 0.0 8 Orange 37% Medium SW 0.0 Light 0.0 9 Fine-coarse SAND, trace well graded fine-medium gravel. No MGP impact. Brown Dense -trace clay at 43'. N/A SP 10 Loose 0.0 0.0 Fine-coarse SAND. No MGP impact. -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'.

			T	TR	2		- 4.1					RING	LOG	<u> </u>	
										BORING NO. :	DGP-	236			
PROJE	CT/PROJE	CT LOC	CATIO			IGP PDI	, Hempstead, I	New York	C	SHEET:					
CLIENT	Г:			Natio	nal Grid					JOB NO. :	11175	065.000	11		
BORIN	G CONTRA	CTOR:		F + N								ark			
GROUN	NDWATER:			~20' k	ogs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N:N/A				
DATE	TIME	LEV	EL	TYPE	TYPE		Macrocore			DATE STARTED:	11/4/0	8			
					DIA.		2-inch			DATE FINISHED:	11/4/0	8			
					WT.					DRILLER:	B. Rat	th			
					FALL					GEOLOGIST:	J. Har	shman			
					* F	OCKET	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare			
DEPTH		s			REC%		SOIL CONSISTENCY		М	ATERIAL		MGP	DID	MOISTURE	
FEET SHATA NO. BLOW COUNT RQD% COLOR ROCK HARDNESS DESCRIPTION DSCS COLOR PID 1 - 100% Dark Brown Dense- Dense gravel, trace mortar. No MGP impact. FILL Fine loamy silty sand, little fine gravel, trace mortar. No MGP impact.															
				l							<u> </u>				
0-	KXXX	1		- 1	100%				ino loon	v cilty cond little fine	FILL		0.0	Dry	
4	OJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York IENT: National Grid JOB NO.: 11175065.00011 BRING CONTRACTOR: F + N BORING LOCATION: GC Park ROUNDWATER: ~20' bgs CAS. SAMPLER CORE TUBE GROUND ELEVATION: N/A ITE TIME LEVEL TYPE TYPE Macrocore DATE STARTED: 11/4/08 DIA. 2-inch DATE FINISHED: 11/4/08 WT. DRILLER: B. Rath GEOLOGIST: J. Harshman *POCKET PENETROMETER READING REVIEWED BY: K. Connare PTH STRATA NO. BLOW COUNT RQD% RQD% RQD% **ROCK HARDNESS** FILL. Fine loamy silty sand, little fine FILL 0.0 Dry On One of the county of the coun														
4	THET STRATA NO. BLOW COUNT RQD% TOLOR RQD% COLOR ROCK HARDNESS TOLOR ROCK HARDNESS MATERIAL DESCRIPTION MOSTURE COLOR C														
	HARDNESS HARDNESS 1 - 100% Dark Medium Pense Dense FILL. Fine loamy silty sand, little fine FILL 0.0 Dry 0.0														
7	gravel, trace mortar. No MGP impact.														
-5	2 - 70% Light Brown- Dense Fine-coarse SAND, little fine-coarse SW 0.0 0.0														
+	Brown- Dense Fine-coarse SAND, little fine-coarse														
+	Brown Dense- Dense FILL. Fine loamy silty sand, little fine gravel, trace mortar. No MGP impact. 2 - 70% Light Brown- Dense Fine-coarse SAND, little fine-coarse SW 0.0 0.0														
4	Brown Dense- Dense FILL. Fine loamy silty sand, little fine gravel, trace mortar. No MGP impact. 2 - 70% Light Brown- Dense Fine-coarse SAND, little fine-coarse SW 0.0 0.0														
10															
10 —		3		-	62%								0.0	0.0	
1															
+															
4															
15 —															
13		4		-	63%		Loose- Medium	Fine-m	edium SA	ND, trace fine gravel.	SP		0.0	Moist 0.0	
1							Dense	No Mo	GP impac	it.					
1															
+															
4															
20 —	•••••••••••••••••••••••••••••••••••••••				000/		NA 15						0.0		
		5		-	60%		Medium Dense						0.0	0.0	
7															
7															
+							Loose-	Fine C	AND com	no silt traco cocreo	SM				
4							Medium Dense								
25 —	NO. COUNT ROD% HARDNESS DESCRIPTION CODE HCN CODE HCN														
		υ		-	JJ 70			Fine-co	arse SAN	ND, trace well graded	SVV		0.0	0.0	
COM	IMENTS: B	oring ad	vance	d with a 6	6620 DT Di	rect Pus	h Geoprobe an	d sample	d with a 2	2" diameter macrocore.					

Borehole backfilled with cement-bentonite grout to grade.

Boring handcleared from 0'-5'.

TEST BORING LOG Corporation DGP-236 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP MOISTURE SAMPLE REC % DEPTH CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID FEET **BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** fine-medium gravel. No MGP impact. -30 53% 0.0 0.0 -35 50% Medium 0.0 8 0.0 Dense 50% Light Brown 0.0 0.0 9 47% 10 0.0 0.0 Orange-Brown -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'. **BORING NO.: DGP-236**

URS Corporation								TEST BORING LOG						
			OI		orpora	ation			BORING NO. :	DGP-	237			
PROJE	CT/PROJE	CT LOC	ATION: N	lational Grid	SHEET:	1 OF 2								
CLIENT	:		N	lational Grid	JOB NO. :	11175	065.000	11						
BORING	G CONTRA	CTOR:	F	+ N	BORING LOCATION	: GC Pa	ark							
GROUNDWATER: ~24' bgs CAS. SAMPLER CORE TUBE									GROUND ELEVATION	N:N/A				
DATE	TIME	LEV	EL TY	PE TYPI	E	Macrocore			DATE STARTED:	11/4/0	8			
				DIA.		2-inch			DATE FINISHED:	11/4/0	8			
				WT.					DRILLER:	B. Rat	h			
				FALI	_				GEOLOGIST:	J. Har	shman			
				,	POCKET	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare			
		S	AMPLE	REC%		SOIL					MGP COLOR CODE	PID	MOISTURE	
DEPTH FEET	STRATA	NO.	BLOW COUNT	RQD%	COLOR	CONSISTENCY ROCK HARDNESS	<u></u>	MATERIAL DESCRIPTION		uscs			HCN	
				<u> </u>						<u> </u>			l	
0-	<u> </u>	1	-	100%	Dark	Loose-	TORSO	No N	ACR impact	Topsoil		0.0	Dry	
-					Brown	Medium Dense			MGP impact.	SM			0.0	
-							Fine-co	arse LOA No MGF	AMY SAND, little fine impact.					
									•					
_														
-5	:::::::::::::::::::::::::::::::::::::::	2	-	30%	Orange- Brown	Loose	Fine-co	arse SAN	ND, some- trace fine-	SW		0.0	0.0	
+					Diowii				No MGP impact.					
+														
-														
10														
-10 —		3	-	43%								0.0	0.0	
1														
+														
+													0.0	
_														
-15 —														
		4	-	63%								0.0		
1														
1														
-														
-														
-20 —		F		C00/	Oranga	Lanca						0.0	Majet	
		5	-	60%	Orange- Light	Loose- Medium						0.0	Moist 0.0	
					Brown	Dense								
1														
+														
4													Wet	
-25 —		6		53%	_							0.2	0.0	
		O	-	53%								∪.∠	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'.

TEST BORING LOG URS corporation DGP-237 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP MOISTURE SAMPLE REC % DEPTH CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID FEET **BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** 0.0 -30 52% 0.0 0.0 -35 50% 0.0 8 0.0 48% Light Brown 0.0 0.0 9 50% Medium 0.0 10 0.0 Dense -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'. **BORING NO.: DGP-237**

URS Corporation									TEST BORING LOG						
PROJE	CT/PROJE	CTIOC			BORING NO. : SHEET:	DGP-238 1 OF 3									
CLIENT		OI LOO		vationa Vationa	JOB NO. :	1 OF 3 11175065.00011									
					ai Giiu					BORING LOCATION:			11		
BORING CONTRACTOR: F + N GROUNDWATER: ~24' bgs CAS. SAMPLER CORE TUBE												ain			
									TUBE	GROUND ELEVATION: N/A DATE STARTED: 10/27/08					
DATE	TIME	LEVE	=L '	YPE	TYPE		Macrocore			DATE STARTED:	10/27/				
					DIA.		2-inch			DRILLER:	M. Me				
					WT.					GEOLOGIST:		shman			
						OOKET F	ENETDOMETE	D DE ADIN	^	REVIEWED BY:	K. Co				
						T	PENETROMETE	R READIN	<u> </u>	REVIEWED BY:	IX. 00	1		ı	
DEPTH	CTDATA	SA	AMPLE		REC%	001.00	CONSISTENCY		M	ATERIAL	11000	MGP COLOR	PID	MOISTURE	
FEET	STRATA	NO.	BLOW COUNT	. 🗔	RQD%	COLOR	ROCK	1	DES	SCRIPTION	USCS	CODE	PID	HCN	
							HARDNESS								
0-		1		-	100%	Dark	Loose-	1			Tanasil	1	0.0	Dest	
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ 	'	-		100%	Brown	Medium	TOPSO	IL. No N	IGP impact.	Topsoil SP		0.0	Dry 0.0	
							Dense	Fine-co	arse loar	ny SAND, little fine-					
1								mediun No Mo	n gravel, i 3P impac	trace organic material.					
+									ar iiipac						
+															
-5 —		2	-	_	97%	Light					SW		0.0	0.0	
		2	-		9770	Gray-				ND, little-some fine-	SVV		0.0	0.0	
						Light Brown		MGP in		oorly graded. No					
1															
+															
-															
10 —		3			80%	Orango	Loose						0.0	0.0	
		3	-		00%	Orange- Brown	Loose						0.0	0.0	
1															
+															
+															
15 —		4			72%	Light							0.0	0.0	
		4	-		1270	Brown							0.0	0.0	
1															
+															
-															
20 —		-			C00/		Madium						0.0	Majat	
		5	-		68%		Medium Dense						0.0	Moist 0.0	
1								Fine-m	edium SA	ND. Brown staining,	SP		0.4		
+								light-mo	oderate N	IAPL coating, sheen			15	1.0	
4								and nap	ontnalene	e-like odor.			50	Wet	
25 —				\perp	000/						0147		00	3.0	
		6	-		93%			Fine-co	arse SAN	ND, little fine-coarse	SW			1.0	
				•	·	•									
							n Geoprobe an	ıd sample	d with a 2	2" diameter macrocore.					
Bore	hole backfill	ed with	cement-be	entonite	e grout to	grade.									

BORING NO.: DGP-238

TEST BORING LOG Corporation **BORING NO.: DGP-238** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP **MOISTURE** SAMPLE REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** gravel. Brown staining, sheen, light 40 NAPL coating and naphthalene-like 0.0 odor. 2.0 Orange-Loose 0.0 Fine-coarse SAND, trace fine gravel. Brown No MGP impact. -30 92% Medium 0.0 Fine-coarse SAND, trace-little fine-Dense medium gravel. Moderate NAPL coating from 34'-34.25', black staining, and naphthalene-like odor. 6.0 Black 0.0 -35 92% 0.0 8 Orange-Fine-coarse SAND, some fine-coarse Brown gravel. No MGP impact. 2.0 5.0 -seams of light to moderate NAPL 30 coating, black staining, sheen, and naphthalene-like odor from 38'-40'. 20 97% SP 0.0 9 Loose-Fine-medium SAND. Several seams 10 Medium of moderate NAPL coating from 44'-Dense 44.5', sheen, and naphthalene-like odor. 7.0 8.0 Black 20 10 97% Light Loose 0.0 17 Brown -NAPL staining from 45'-49'. Trace 25 NAPL blebs, slight naphthalene-like odor, heavy sheen. 10 20 3.0 -no staining from 49'-50'. -50 SW 11 97% Loose-0.0 0.0 Medium Fine-coarse SAND, trace fine gravel. Dense No MGP impact. -55 12 97% SP 0.0 0.0 Light Fine SAND. No MGP impact. Gray 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-238

TEST BORING LOG URS Corporation DGP-238 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 3 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP MOISTURE SAMPLE REC % DEPTH CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID ROCK FEET **BLOW** NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** -60 97% 13 Loose 0.0 0.0 Fine-medium SAND. No MGP impact. -65 14 97% Light Loose-0.0 0.0 Brown-Medium Yellow Dense 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**

URS Corporation									TEST BORING LOG						
					BORING NO. :	DGP-239									
PROJE	CT/PROJE	CT LOC	ATION: Nat	tional Grid N	SHEET:	1 OF 2									
CLIENT	Γ:		Nat	tional Grid	JOB NO. :	11175065.00011									
BORING	G CONTRA	CTOR:	F+	N	BORING LOCATION:	LOCATION: GC Park									
GROUN	IDWATER:		~20)' bgs	GROUND ELEVATION: N/A										
DATE	TIME	LEVE	EL TYPI	E TYPE		Macrocore			DATE STARTED:	11/10	/08				
				DIA.		2-inch			DATE FINISHED:	11/10	/08				
				WT.					DRILLER:	K. Ke					
				FALL					GEOLOGIST:	M. Da	scoli				
				*	POCKET	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare				
DEPTH	STRATA	S#	AMPLE	REC%	COLOR	SOIL CONSISTENCY ROCK HARDNESS		MATERIAL			MGP COLOR	PID	MOISTURE		
FEET	SINAIA	NO.	BLOW COUNT	RQD%	COLOR			DES	SCRIPTION	USCS	CODE	ГЮ	HCN		
•															
0		1	-	100%	Dark Brown	N/A			ND and SILT, some vel. No MGP impact.	SM		0.0	Dry 0.0		
-5		2	-	97%	Orange- Brown				ND, some-little fine- No MGP impact.	SW	V	0.0	0.0		
10 —		3	-	97%								0.0	0.0		
1												4.2	1.0		
-												4.5			
-												6.7	0-1		
15 —		4		78%								15			
		·		70%			Fine-medium G		RAVEL, trace fine	O.D.		10			
					Light Brown			AND, trac	ce fine gravel. No				Moist		
20 — - - -		5	-	67%	Orange- Brown		Fine-co coarse	parse SAN gravel. N	ND, some-little fine- No MGP impact.	SW		1.0	Wet 0-1		
25 —		6	-	97%								1.0	0-1		
COM	MENTS: Bo	oring adv	anced with	a 7720 DT D	irect Pus	sh Geoprobe ar	nd sample	ed with a 2	2" diameter macrocore.						

Borehole backfilled with cement-bentonite grout to grade.

Boring handcleared from 0'-5'.

TEST BORING LOG URS corporation DGP-239 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID ROCK FEET **BLOW** NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** -30 97% Brown 1.0 0-1 -35 97% 8 Orange-1.0 0-1 Brown Fine-coarse GRAVEL, some finemedium sand. GW SW Fine-coarse SAND, little fine-medium gravel. No MGP impact. 97% 9 1.0 0-1 Brown 93% 10 0.0 0-1 -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-239**

URS Corporation									IEST BORING LOG							
PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York										BORING NO. :	DGP-240					
		CT LOC	ATIC			SHEET:	1 OF 3									
CLIENT					nal Grid		JOB NO. :	11175065.00011								
BORING CONTRACTOR: F + N										BORING LOCATION:						
GROUNDWATER: ~19.5' bgs CAS. SAMPLER CORE TUBE										GROUND ELEVATION: N/A						
DATE	TIME	LEV	EL	TYPE	TYPE		Macrocore			DATE STARTED:	11/6/0					
					DIA.		2-inch			DATE FINISHED:	11/7/0					
					WT.					DRILLER:	K. Ke					
					FALL					GEOLOGIST:	M. Da					
					* 1	POCKET	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare				
DEDTU		s	AMPL	.E	REC%		SOIL		M	ATERIAL		MGP		MOISTURE		
DEPTH FEET	STRATA	NO.		LOW	RQD%	COLOR	CONSISTENCY ROCK	'		SCRIPTION	USCS	COLOR	PID	HCN		
			C	OUNT	114,2 70		HARDNESS					CODE		l loll		
•																
0		1		-	100%	Black	N/A			um sand, some silt,	FILL		0.0	Dry 0.0		
-								little fin impact.		n gravel. No MGP				0.0		
+								iiiipaci.					0.1			
4																
4	$\otimes \otimes \otimes$												0.0			
-5-						Orange-		Fine or	arco SAN	ND, trace fine gravel.	SW		0.0			
		2		-	97%	Brown			P impact.					0.0		
1																
+													0.2			
+													0.3	0-1		
4													0.4	0.0		
10 —		0			070/	1								0.0		
		3		-	67%	Light Brown							0.0			
														0-1		
1													0.2			
+													0.3			
4										_, some fine-coarse						
15 —		4		_	63%				No MGP i	· - [']	GP SW		0.0	0-1		
		7			0376	Orange-		Fine-m	edium SA . No MGI	ND, trace fine-coarse	OVV		0.0	0-1		
						Brown		graver	. No Mai	impact.						
1																
1																
+																
20 —		5		-	72%	Dark							0.0	Wet 0-1		
4					/ ·	Brown				ND, some-little fine- Faint naphthalene-						
								like odd								
						Light		-dark b	rown light	NAPL coating and						
1						Brown		sheen t	from 22.5	'-23'.			8.8			
+											65		7.2			
25 —		6		-	97%					avy brown NAPL	SP		124	4.0		
	•••••••								and shee							
COM	IMENTS: B	oring ad	vance	ed with a	7720 DT D	irect Pus	h Geoprobe an	d sample	d with a 2	2" diameter macrocore.						

Borehole backfilled with cement-bentonite grout to grade.

Boring handcleared from 0'-5'.

TEST BORING LOG Corporation **BORING NO.: DGP-240** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN CODE RQD % COUNT **HARDNESS** -NAPL saturation, strong naphthalene-324 6.0 like odor from 25'-27'. 179 2.0 90.5 1.0 71.5 90% 1.0 16.7 -faint naphthalene-like odor from 30'-34.5'. 20.9 13.5 16.5 Fine-coarse GRAVEL, some fine-8.1 medium sand. No MGP impact noted. GP -35 97% SW 0.0 8 36.1 Fine-coarse SAND, little fine-medium gravel. Faint naphthalene-like odor. 55.8 68.4 72.3 75.1 97% SP Brown 105 1.0 9 Fine-coarse SAND. Seams of dark brown staining and light-moderate 102 2.0 NAPL coating, strong naphthalene-like odor. 146 3.0 SW 63.7 2.0 Fine-coarse SAND, trace fine-coarse gravel. Faint naphthalene-like odor. 15.2 10 97% Light 0.0 0-1 Brown 10.0 11.8 -50 11 97% 0.0 4.3 Fine-medium GRAVEL, little fine-15.3 medium sand. No MGP impact noted. GP -55 12 97% SW 3.3 0.0 Fine-medium SAND, trace fine gravel. No MGP impact noted. 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'.

TEST BORING LOG URS Corporation DGP-240 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 3 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP MOISTURE SAMPLE REC % DEPTH CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID ROCK FEET **BLOW** NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** 5.5 -60 SP 97% 13 Light 1.8 0.0 Fine-medium SAND. Brown-Gray 1.3 1.1 Orange-Brown -65 14 97% -Faint naphthalene-like odor from 65'-7.9 0.0 69.5'. 8.3 9.1 10.5 11.5 CLAY. Faint naphthalene-like odor. White CL -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-240**

			IΠ	S co		.41					RING	LOG	i
									BORING NO. :	DGP-	241		
		CT LOCA			IGP PDI,	Hempstead, N	New York	(SHEET:	1 OF	2		
CLIENT	Γ:		Nati	onal Grid					JOB NO. :		065.000		
BORING	G CONTRA	CTOR:	F+1					ı	BORING LOCATION:		ent to GC	Park	
GROUN	IDWATER:		~20'	bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION				
DATE	TIME	LEVE	L TYPE	TYPE		Macrocore			DATE STARTED:	11/21/			
				DIA.		2-inch			DATE FINISHED:	11/26/			
				WT.					DRILLER:	K. Ke			
				FALL					GEOLOGIST:	M. Da	scoli		
				* 1	POCKET F	ENETROMETE	R READIN	IG .	REVIEWED BY:	K. Co	nnare		
DEDTU		SAI	MPLE	REC%		SOIL		M	ATERIAL		MGP		MOISTURE
DEPTH FEET	STRATA	NO.	BLOW	RQD%	COLOR	CONSISTENCY ROCK			SCRIPTION	uscs	COLOR	PID	HCN
			COUNT	HQD /0		HARDNESS					CODE		TICIN
_													
0—	XXX	1	-	100%	Dark Brown	N/A	FILL. F	ine-medi	um sand, some fine-	FILL		0.0	Dry 0.0
-					Diowii		coarse	gravel ar	d silt. No MGP				0.0
+							impact.						
4	XXX									ML			
							Fine SA	ANDY SIL No MGP	T, trace fine-coarse	IVIL			
-5—													
~~		2	-	100%			few silt.		ND and GRAVEL,	SW-SM		0.0	0.0
					Orange- Brown		Fine-co	arca SAN	ND, some fine-coarse	SW			
-					Brown		gravel,	trace silt	and cobble. No MGP				
+							impact						Moist
4													
-10 —		2		73%								0.0	Dest
		3	-	/3%								0.0	Dry 0.0
-													
-									ND trace little fine				
-15 —		4		78%					ND, trace-little fine- No MGP impact.			0.0	0.0
_				7.070								0.0	0.0
					Light Brown								
1					Brown								
-20 —		5	-	68%	Orange-							0.0	Wet
4					Brown								0.0
							Fine-co	arse GR	AVEL, few medium-				
	⊠.∵⊠.∵								MGP impact.	GP			
							Fine SA	AND, few	silt, trace fine gravel.	SM			
-25 —		6	-	97%						SP		0.0	0.0
1	· · · · · · · · · · · · · · · · · · ·	I		I	ı İ		rine-co	arse SAN	ND, trace fine-medium	İ	i l		I
			anced with a ement-bento			n Geoprobe an	d sample	d with a 2	2" diameter macrocore.				

BORING NO.: DGP-241

TEST BORING LOG URS corporation BORING NO.: DGP-241 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP MOISTURE SAMPLE REC % DEPTH CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID FEET **BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** gravel. No MGP impact. 97% 0.0 0.0 97% 0.0 8 0.0 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'. **BORING NO.: DGP-241**

			TΠ	DC	Col		4.			IES	SI BO	RING	LOG	i
										BORING NO. :	DGP-	242		
		CT LOC				GP PDI,	Hempstead, I	New York	(SHEET:	1 OF	2		
CLIENT	Γ:		l	Nationa	l Grid					JOB NO. :		065.000		
BORIN	G CONTRA	CTOR:	l	F + N						BORING LOCATION:	Near	GC Park,	north o	f Reg. statior
GROUN	NDWATER:			~18' bgs	S	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N: N/A			
DATE	TIME	LEV	EL T	YPE	TYPE		Macrocore			DATE STARTED:	11/24	/08		
					DIA.		2-inch			DATE FINISHED:	11/24	/08		
					WT.					DRILLER:	K. Ke	gel		
					FALL					GEOLOGIST:	M. Da	scoli		
					* P	OCKET F	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare		
		s	AMPLE	F	REC%		SOIL			IATERIAL		MGP		MOISTURE
DEPTH FEET	STRATA	NO.	BLOW			COLOR	CONSISTENCY ROCK			IATERIAL SCRIPTION	uscs	COLOR	PID	
			COUNT	T '	RQD%		HARDNESS					CODE		HCN
0		1	-		100%	N/A	N/A	No reco	overv. Pr	eclearing was	NONE		N/A	
+									ned on 11	/7/08. No soil data				
+								recorde	au.					
-														
_														
-5		2	-		7%	Dark Brown				ND, some silt, some	SM		5.2	Dry 0-1
1						2.0		fine-me	edium gra	vel. No MGP impact.				
+														
+														
10 —														
		3	-		70%	Brown				ND, some fine-coarse	SW		0.0	0.0
1								gravel,	trace silt.	No MGP impact.				
1														
+					-	Light								
+					-	Brown Brown								
15 —		4			65%								0.0	0.0
		4	-		03%	Orange- Brown							0.0	0.0
1														
†													0.3	Wet
+													2.4	
20 —		5			73%	Brown					SP		0.0	0.0
		3			7070	Diowii		Fine-co	oarse SAN n gravel	ND, trace-little fine- No MGP impact.			0.0	0.0
								median	ii giavoi.	Two Ivian Impact.				
7														
1														
+														
25 —		6	-		88%	Orange-							0.0	0.0
	••••••	-				Brown								
	<u> </u>													
	IMENTS: B						h Geoprobe an	d sample	ed with a 2	2" diameter macrocore.				

BORING NO.: DGP-242

TEST BORING LOG URS corporation DGP-242 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID ROCK FEET **BLOW** NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** 90% 0.0 0.0 97% 0.0 0.0 Fine-coarse SAND and GRAVEL. No GP MGP impact. SW Fine-medium SAND, some silt, trace fine-medium gravel. No MGP impact. End of boring at 40' 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-242**

			TTI	DC	Col		4.			IES	I BO	RING	LOG	İ
										BORING NO. :	DGP-	243		
PROJE	CT/PROJE	CT LOC	ATION: N	lation	al Grid M	GP PDI,	Hempstead, I	New York		SHEET:	1 OF	2		
CLIENT	:		N	lation	al Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:	F	+ N						BORING LOCATION:	Nation	nal Grid (Gas Reg	. Station
GROUN	IDWATER:		~	·20' bg	S	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N : N/A			
DATE	TIME	LEV	EL TY	/PE	TYPE		Macrocore			DATE STARTED:	11/21	/08		
					DIA.		2-inch			DATE FINISHED:	11/25	/08		
					WT.					DRILLER:	K. Ke	gel		
					FALL					GEOLOGIST:	M. Da	scoli		
					* P	OCKET F	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
DEPTH	CTDATA	S.	AMPLE		REC%	COLOR	SOIL CONSISTENCY		M	IATERIAL	11000	MGP COLOR	PID	MOISTURE
FEET	STRATA	NO.	BLOW		RQD%	COLOR	ROCK HARDNESS		DES	SCRIPTION	USCS	CODE	PID	HCN
0—		1	-		100%	Dark Brown	N/A	brick, a clay, sil	sphalt, ar	gravel, some glass, nd concrete, some od chips. Faint dor from 3'-5'.	FILL		0.0	Dry 0.0
-														0-1
-5 —		2	-		100%					AND, some clay and el. No MGP impact.	SC		0.0	
-						Orange- Brown				ND, some-little fine- trace-no silt. No MGP	SW	-		1.0
-								impact						0-1
-10 —		3	-		73%								0.0	0-1
-													0.2	
-15 —													1.0	
-13		4	-		57%								0.8	0-1
1													1.0	
-											014		2.1	
-						Brown			arse SAN MGP im	NDY GRAVEL, little pact.	GM		3.5	
-20 —		5	-		68%	Dark Brown- Orange			arse SAN No MGF	ND, some fine-coarse P impact.	SW		3.5	Wet 0-1
	Z Z										O.C.			
								Fine-co	arse SAN	NDY GRAVEL.	GP			
-25 —		6	-		68%	Orange-			arse SAN No MGF	ND, some fine-coarse impact.	SW		2.5	0-1
	<mark>ririririri</mark>					Brown								
I COM	MENTS BO	oring ad	vanced wit	h a 77	20 DT Dir	ect Pusi	n Geoprobe an	d sample	d with a 2	2" diameter macrocore.				

Borehole backfilled with cement-bentonite grout to grade.

Borehole precleared to 10' bgs inside regulator station.

TEST BORING LOG URS Corporation DGP-243 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % DEPTH CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID ROCK FEET **BLOW** NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** 5.0 97% SP 3.5 0.0 Fine SAND, trace fine gravel. Brown 97% SW 0.0 8 Orange-0.0 Fine-coarse SAND, trace silt, trace-Brown few fine gravel. 1.0 1.5 End of boring at 40' 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. Borehole precleared to 10' bgs inside regulator station.

			TIT	DC .		4=			TES	T BO	RING	LOG	İ
			OI	RS co	rpora	ation			BORING NO. :	DGP-	244		
PROJE	CT/PROJE	CT LOC	ATION: N	ational Grid I	MGP PDI	, Hempstead, I	New York	(SHEET:	1 OF	2		
CLIENT	Γ:		N	ational Grid					JOB NO. :	11175	065.000	11	
BORIN	G CONTRA	CTOR:	F	+ N					BORING LOCATION:	On sit	е		
GROUI	NDWATER:		~	26' bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N:N/A			
DATE	TIME	LEV	EL TY	PE TYPE		Macrocore			DATE STARTED:	9/28/0)8		
				DIA.		2-inch			DATE FINISHED:	9/28/0)8		
				WT.					DRILLER:	K. Ke	gel		
				FALL					GEOLOGIST:	J. Har	shman		
				*	POCKET	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare		
		S	AMPLE	REC%		SOIL					MGP		MOISTURE
DEPTH FEET	STRATA	NO.	BLOW		COLOR	CONSISTENCY ROCK			IATERIAL SCRIPTION	uscs	COLOR	PID	
		110.	COUNT	RQD%		HARDNESS		52.	501 110.1 .		CODE		HCN
0-	XXX	1	-	100%	Brown-	Loose	FILL F	-ine-medi	ium SAND, some fine-	FILL		0.0	Moist
-					Black		coarse	gravel. N	No MGP impact.				0.0
-													
_													
-5—		2	-	78%	Light Brown-		Fine-co	arse SAN	ND, little-trace fine-	SW		0.0	Dry 0.0
-					Orange				No MGP impact.				0.0
-													
_													
-10 —		3	-	73%								0.0	0.0
-													
-													
_													
-15 —		4	-	70%		Loose- Medium	Fine-co	arse SAN	ND, some fine-			0.0	0.0
-						Dense			No MGP impact.				
-													
_													
-20 —		5	-	75%								0.0	0.0
-													
+													
4													
-25													
-25 —		6	-	65%	Orange- Brown							0.0	0.0
1		ı		ı		ı	ı			1			1
COM	IMENTS: R	oring ad	vanced with	n a 7720 DT F	irect Pus	h Geoprobe an	nd sample	ed with a 2	2" diameter macrocore.				

Borehole backfilled with cement-bentonite grout to grade.

Boring handcleared from 0'-5'.

TEST BORING LOG Corporation BORING NO.: DGP-244 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE MOISTURE REC % DEPTH CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID ROCK FEET **BLOW** NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Light Loose Wet Fine-coarse SAND, trace fine gravel. Brown No MGP impact. 93% Medium SP 0.0 0.0 Fine-medium SAND. No MGP impact. Dense 93% 0.0 0.0 8 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'. **BORING NO.: DGP-244**

			TI	RS co					TES	ST BO	RING	LOG	ì
			UI	Co	rpora	ation			BORING NO. :	DGP-	245		
PROJE	CT/PROJE	CT LOC	ATION: N	lational Grid I	IGP PDI	, Hempstead, I	New Yorl	k	SHEET:	1 OF	3		
CLIENT	Γ:		N	lational Grid					JOB NO. :	11175	065.000	11	
BORIN	G CONTRA	CTOR:	F	+ N					BORING LOCATION:		е		
GROUN	IDWATER:		~	26' bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATIO	N:N/A			
DATE	TIME	LEV	EL TY	PE TYPE		Macrocore			DATE STARTED:	9/29/0	8		
				DIA.		2-inch			DATE FINISHED:	9/30/0	8		
				WT.					DRILLER:	K. Ke	gel		
				FALL					GEOLOGIST:	J. Har	shman		
				*	POCKET	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare		
		S	AMPLE	REC%		SOIL			IATERIAL		MGP		MOISTURE
DEPTH FEET	STRATA	NO.	BLOW COUNT	RQD%	COLOR	CONSISTENCY ROCK HARDNESS			IATERIAL SCRIPTION	uscs	COLOR CODE	PID	HCN
				<u> </u>			l			<u> </u>	<u> </u>		
0-	KXXX	1	-	100%	Dark	Loose	E11.1	Fine coor	se sand, some fine-	FILL		0.0	Wet
-					Brown				No MGP impact.			0.6	0.0
4													
												0.2	
7												0.3	
-5		2	-	82%	Orange-	Loose- Medium	Fine-co	parse SAN	ND, little-trace fine-	SW		0.0	Moist
+					Light Brown	Dense			No MGP impact.				0.0
4													
_													
10 —		3	-	93%	Dark Brown							0.0	13
1					Orange-	Loose							Dry
+					Light Brown								0.0
4													
4.5													
15 —		4	-	72%		Loose- Medium	Ī					0.0	0.0
1						Dense							
+													
4													
4													1.0
20 —													1.0
		5	-	72%		Loose						0.0	0.0
1													
+													
+													
4													
25 —													
		6	-	68%								0.0	Wet 0.0
,				•	-					-	· '		
	<u> </u>												

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'.

TEST BORING LOG Corporation **BORING NO.:** DGP-245 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY MATERIAL STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** -30 88% 0.0 0.0 Loose-Medium Dense -35 93% Light 0.0 0.0 8 Brown 92% SP-GP 0.0 0.0 9 Orange-Loose Medium-Coarse SAND and GRAVEL, Brown \boxtimes poorly graded. No MGP impact. \boxtimes GP Fine-coarse GRAVEL, little coarse sand. No MGP impact. Ø SP Fine-medium SAND. No MGP impact. 92% Light SW 10 Medium 0.0 0.0 Fine-coarse SAND, little-some fine-Brown Dense coarse gravel, trace clay. -50 97% SP 11 Loose 0.0 0.0 Fine-medium SAND. No MGP impact. -55 78% 12 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'

TEST BORING LOG URS Corporation DGP-245 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 3 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID FEET **BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** -60 13 80% 0.0 0.0 Light Medium SW Fine-coarse SAND, some fine-Brown-Dense medium gravel. Orange Gray SP -65 Fine SAND. No MGP impact. 14 93% Orange-SM 0.0 0.0 Light Fine-medium SAND, trace silt and Brown clay. 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-245**

			IR	S co	rnere	tion					RING	LOG	İ
	CT/DDC IE	CTLOCA				Hempstead, I	Now Vari	,	BORING NO. :	DGP-			
CLIENT		CT LOCA		ional Grid i ional Grid	WIGP PDI,	Hempstead, I	New York	(SHEET: JOB NO. :	1 OF		4.4	
											065.000	11	
	CONTRA	CTOR:	F+						BORING LOCATION:		e		
1	IDWATER:	ı		oth to Water	_	SAMPLER	CORE	TUBE	GROUND ELEVATION		/0.0		
DATE	TIME	LEVE	L TYPE			Macrocore			DATE STARTED:	10/14			
				DIA.		2-inch			DATE FINISHED:	10/15			
				WT.					DRILLER:	M. Me	shman/ (> F.::	
				FALL					GEOLOGIST:			J. Friedr	nan
				*	POCKET P	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
EPTH		SA	MPLE	REC%		SOIL CONSISTENCY		М	IATERIAL		MGP		MOISTURE
FEET	STRATA	NO.	BLOW COUNT	RQD%	COLOR	ROCK	-		SCRIPTION	USCS	COLOR	PID	HCN
			COUNT			HARDNESS					CODE		
0		1	-	100%	Black	Loose			aterial, fine-medium	FILL		0.0	Dry 0.0
1							sand, li staining		l. Slight brown-black			1.0	1.0
+								,.				0.0	0.0
+ 1													
4													
5_													
		2	-	80%								4.0	1.0
1					Light Brown				SAND, some gravel.	SW		3.0	0.0
1					Biowiii		No MG	P impact	noted.				
+													
4													
		2		000/								0.0	4.0
		3	-	80%	Brown							2.0	1.0
1													
-													
-							-fow ler	neae of bl	ack NAPL staining,				
5 -		4		60%			slight n	aphthaler	ne-like odor from 15'-			15	2.0
		4	-	00 /6			16'.						
									Lenses of black	SP		35	3.0
							from 16		naphthalene-like odor				
-													
-													
) —	• • • • • • • • • • • • • • • • • • •	5		58%					and GRAVEL. Some	SP-GP	-	60	Wet
				0070			black s	taining fro	om 20'-21'.			00	3.0
									Lenses of black	SP			
							staining	from 21	-24'.			129	4.0
1													
+							Modius		SAND, trace gravel.			20	1.0
5 —		6	-	55%	Light	Loose-		n-coarse P impact				0.0	0.0
				33,0	Brown-	Medium		•				0.0	J
СОМ	MENTS: Bo	oring adv	anced with a	a 6620 DT D	irect Push	Geoprobe an	nd sample	d with a 2	2" diameter macrocore.				
			ement-bent				· ·						

BORING NO.: DGP-246

TEST BORING LOG Corporation DGP-246 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Dense 50% Light 0.0 0.0 Fine SAND. Trace naphthalene-like Brown odor. 0.5 3.0 -35 60% 0.0 0-1 8 Loose SW Brown-Medium-coarse SAND, some-little Red subround gravel. Faint naphthalenelike odor from 37'-40'. -no MGP impact from 40'-45'. 60% 0.0 0-2 9 Brown 10 40% Medium 0.0 0.0 -faint naphthalene-like odor from 45'-Dense 60'. -50 47% 11 Brown-0.0 0.0 Red -55 40% 0.0 12 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'.

TEST BORING LOG URS Corporation DGP-246 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 3 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID FEET **BLOW** ROCK NO. DESCRIPTION HCN CODE RQD % COUNT **HARDNESS** -60 40% 13 Light 0.0 0.0 Fine-coarse SAND, trace fine gravel. Brown No MGP impact. Light Gray SP Fine SAND. No MGP impact. -65 14 55% Light Loose-0.0 0.0 Gray-Medium Light Dense Brown SM Brown-Dense Fine SILTY SAND. No MGP impact. Orange 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-246**

TEST BORING LOG URS corporation **BORING NO.: DGP-247** PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York SHEET: 1 OF 3 **National Grid** CLIENT: JOB NO.: 11175065.00011 F + N**BORING LOCATION:** On site **BORING CONTRACTOR:** ~26' bgs **GROUNDWATER:** CAS. SAMPLER CORE TUBE **GROUND ELEVATION: N/A DATE STARTED:** 10/1/08 DATE TIME **LEVEL TYPE TYPE** Macrocore **DATE FINISHED:** 10/1/08 DIA. 2-inch DRILLER: K. Kegel WT. J. Harshman **GEOLOGIST: FALL** K. Connare * POCKET PENETROMETER READING **REVIEWED BY:** SOIL SAMPLE MGP REC% MOISTURE **MATERIAL DEPTH** CONSISTENCY COLOR PID **STRATA** COLOR USCS **BLOW** DESCRIPTION NO. FEET **ROCK** RQD% HCN CODE COUNT **HARDNESS** OPSOIL 100% Moist Dark Loose 0.0 TOPSOIL. No MGP impact. Brown FILL 0.0 FILL. Loamy fine sand, trace gravel. No MGP impact. Light SW Fine-coarse SAND, some-little fine-Brownmedium gravel. No MGP impact. Orange Dry 88% 0.0 0.0 -10 87% 0.0 0.0 SP Dark 3.0 Fine-medium SAND. Brown Light SW 0.0 Fine-coarse SAND, little fine gravel. Brown-No MGP impact. Orange -15 72% 0.0 0.0 -20 Loose-0.0 0.0 Medium -25 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.

TEST BORING LOG Corporation **BORING NO.:** DGP-247 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY MATERIAL STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Wet Orange-Brown Loose Fine-medium SAND. No MGP impact. 90% Light 0.0 0.0 Brown 97% 0.0 0.0 8 -trace fine-coarse gravel. 85% Medium 0.0 0.0 9 Dense Fine-coarse GRAVEL, trace-little fine-GP coarse sand. SW Fine-coarse SAND, little-trace fine gravel. No MGP impact. 90% 10 Loose-0.0 0.0 Medium Dense -50 90% 11 0.0 0.0 -55 92% 0.0 12 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.

TEST BORING LOG Corporation **BORING NO.:** DGP-247 PROJECT: National Grid MGP PDI, Hempstead, New York OF 3 SHEET: 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY MATERIAL STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN CODE RQD % COUNT **HARDNESS** SW-GW Fine-coarse SAND and GRAVEL. SP Fine SAND. No MGP impact. -60 SW 13 80% Medium 0.0 0.0 Fine-coarse SAND, trace well graded Dense fine-medium gravel. No MGP impact. -65 14 97% Orange-Loose-0.0 0.0 Brown Medium Dense Light Gray SP Loose Fine SAND. No MGP impact. -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.

			TTE)C					TES	T BO	RING	LOG	Ì
			OI	LS co	rpora	ation			BORING NO.:	DGP-	248		
PROJE	CT/PROJE	CT LOC	ATION: Na	tional Grid N	/IGP PDI,	Hempstead, I	New York	(SHEET:	1 OF	3		
CLIENT	:		Na	tional Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:	F.	+ N					BORING LOCATION:	On sit	е		
GROUN	IDWATER:		~2	6' bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N:N/A			
DATE	TIME	LEVE	EL TYF	PE TYPE		Macrocore			DATE STARTED:	10/6/0	8		
				DIA.		2-inch			DATE FINISHED:	10/6/0	8		
				WT.					DRILLER:	K. Ke	gel		
				FALL					GEOLOGIST:	J. Har	shman		
				*	POCKET	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
		SA	AMPLE	REC%		SOIL					MGP		MOISTURE
DEPTH FEET	STRATA	NO.	BLOW COUNT	RQD%	COLOR	CONSISTENCY ROCK HARDNESS			IATERIAL SCRIPTION	uscs	COLOR CODE	PID	HCN
					<u> </u>		<u> </u>			<u> </u>			
0-		1	-	100%	Dark Brown	Loose		gravel, tr	se sand, little fine- ace brick. No MGP	FILL		0.0	Dry 0.0
-5		2	-	85%	Light Brown- Orange	Loose- Medium Dense			ND, trace fine-medium P impact.	SW		0.0	0.0
		3	-	73%								0.0	0.0
		4	-	68%					ND, trace-little fine- No MGP impact.			0.0	0.0
- 20 — - -		5	-	68%								0.0	0.0
												2.0	
_												3.0	
-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.

TEST BORING LOG Corporation **BORING NO.:** DGP-248 PROJECT: National Grid MGP PDI, Hempstead, New York OF 3 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY MATERIAL STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Wet Light Fine-coarse SAND, trace fine gravel. Brown No MGP impact. -30 82% SP 0.0 0.0 Fine-coarse SAND. No MGP impact. -35 97% 0.0 0.0 8 90% GP 0.0 9 0.0 Fine-coarse GRAVEL, little finecoarse sand. Medium SW 10 97% 0.0 0.0 Fine-coarse SAND, trace fine-coarse gravel. No MGP impact. Dense -50 97% 11 0.0 0.0 -55 97% 0.0 12 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.

TEST BORING LOG URS Corporation DGP-248 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 3 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID FEET **BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** -60 97% SP 13 0.0 0.0 Fine-coarse SAND, some fine-coarse poorly graded gravel. No MGP impact. -65 14 97% SW 0.0 0.0 Fine-coarse SAND, some fine-coarse well graded gravel. No MGP impact. End of boring at 70' bgs. -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-248**

CLIENT:	CT/PROJEC	CT L OC		S co	. pvi a								
LIENT:		J L\ N -	ATION: Not	ional Grid N			New York		BORING NO. : SHEET:	DGP-:			
		J1 L00		ional Grid	igr FDI,	riempsteau, i	NEW TOIK	•	JOB NO. :		ა :065.000	11	
	CONTRA	OTOD:	F+						BORING LOCATION:			11	
	DWATER:	CTOR:		b' bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION				
DATE	TIME	LEVE		-	+	Macrocore	CORE	TOBE	DATE STARTED:	10/7/0	18		
AIE	IIIVIE	LEVE	L ITPI	DIA.		2-inch			DATE FINISHED:	10/8/0			
				WT.		2-111011			DRILLER:	K. Ke			
-				FALL					GEOLOGIST:		shman		
					POCKET P	ENETROMETE	R READIN	G	REVIEWED BY:	K. Co			
					T	SOIL	I		TIEVIEWED DT.				
EPTH	STRATA	SA	AMPLE BLOW	REC%	COLOR	CONSISTENCY		М	ATERIAL	USCS	MGP COLOR	PID	MOISTURE
FEET	JIRAIA	NO.	COUNT	RQD%	COLOR	ROCK HARDNESS		DES	SCRIPTION	0303	CODE	115	HCN
	•	•		•	•								
'		1	-	100%	Dark Brown	Loose- Medium			se sand, some gravel.	FILL		0.0	Wet 0.0
7 k	\longleftrightarrow					Dense	No Mo	GP impac	t.				
- K													
- [
- k	$\langle \langle \langle \rangle \rangle$												
i —		2		82%								0.0	0.0
		2	-	82%								0.0	
					Dark Brown-	Medium Dense			ID, little fine-medium	SP			Dry
7					Light Brown		gravei, impact.		aded. No MGP				
7													
+													
	<mark></mark>	3	_	68%	Light	Loose						0.0	0.0
4	······				Brown- Orange			edium SA 3P impac	ND, trace fine gravel. t.				
	······································				orange			·					
	············												
7													
•		4	-	68%	Light		Fine-co	arca SAN	ID, some fine-coarse	SW			0.0
-					Brown- Dark		gravel.	Slight pe	troleum coating and			1.0	
4					Brown		odor. J	ar shake	test- no sheen.			2.0	
												3.0	
7													
) -		5	-	70%	Light Brown		Fine-co	arse SAN	ID, little fine-medium			2.0	0.0
-					DIOWII			well grad				0.0	
-													
4							-liahtly	nated wi	th faint naphthalene-			3.0	
							like odd		Jar shake test- slight				
5 —							sheen.		:			0.0	
`		6	-	55%	Tan- Orange	Loose- Medium	Fine-co coarse		ID, some-trace fine-			5.0	Wet 0.0

BORING NO.: DGP-249

TEST BORING LOG Corporation **BORING NO.: DGP-249** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP **MOISTURE** SAMPLE REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Dense -brown staining, moderate NAPL coating, and moderate naphthalene-10 like odor from 26'-30'. 15 -30 -MGP impacted with black staining 90% 40 0.0 from 30'-34.5'. -moderate NAPL coating and sheen 45 1.0 from 30'-32'. 50 -NAPL saturation and sheen from 32'-2.0 -Thin stringers of NAPL saturation 30 1.0 from 33'-34.5'. SP -35 93% 8 Loose 10 Fine-medium SAND. -NAPL blebs at 35'. No staining from 20 2.0 35.5'-38'. 1.0 10 30 2.0 -3" lens of NAPL saturation from 38'-38.5', moderate naphthalene-like 0.3 1.0 odor. 97% -No MGP impact from 38.5'-41'. Brown-0.0 9 0.0 Orange Medium GP Fine-coarse GRAVEL, trace coarse Dense sand, poorly graded. No MGP impact. Light Loose SW Fine-medium SAND, trace fine gravel, Brownwell graded. No MGP impact. Tan 10 97% 0.0 0.0 Loose-Medium Dense -50 97% 0.0 0.0 11 SW-GW 1.0 Fine-coarse SAND and GRAVEL. No MGP impact. 0.0 SW Fine-coarse SAND, trace fine-medium gravel. -55 97% 0.0 0.0 12 -Faint naphthalene-like odor from 55'-70'. Jar shake test- no sheen. 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'.

TEST BORING LOG URS corporation BORING NO.: DGP-249 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 3 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP MOISTURE SAMPLE REC % DEPTH CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID FEET **BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** -60 13 97% 0.0 0.0 -Faint naphthalene-like odor. -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'. **BORING NO.: DGP-249**

			T	Ф	S Co		4.			TES	т во	RING	LOG	
										BORING NO. :	DGP-	250		
PROJE	CT/PROJE	CT LOC	ATION			IGP PDI,	Hempstead, I	New York	[SHEET:	1 OF	3		
CLIENT	Γ:			Natio	nal Grid					JOB NO. :		5065.000	11	
BORING	G CONTRA	CTOR:		F + N						BORING LOCATION:		:e		
GROUN	IDWATER:			~26' b	gs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION				
DATE	TIME	LEVE	EL .	TYPE	TYPE		Macrocore			DATE STARTED:	10/8/0			
					DIA.		2-inch			DATE FINISHED:	10/8/0			
					WT.					DRILLER:	M. Me			
					FALL					GEOLOGIST:		rshman		
					* F	POCKET P	ENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
DEPTH		SA	AMPLE		REC%		SOIL CONSISTENCY		М	ATERIAL		MGP		MOISTURE
FEET	STRATA	NO.	BLC		RQD%	COLOR	ROCK			SCRIPTION	USCS	COLOR	PID	HCN
							HARDNESS					"		
0														
		1	-	-	100%	Black- Brown	Medium Dense			se SAND, some fine-	FILL		0.0	Dry 0.0
								coarse	gravei.					
1													1.0	
+													2.0	
+								-faint pe	etroleum	odor from 4'-5'.				
-5-	XXX	2		-	77%	Light					SW		5.0	Moist-Dry
4						Brown			arse SAN 1 gravel.	ND, trace-little fine-			20	0.0
											0.0			5
						Brown	Loose- Medium			ND, trace fine-	SP		25	Dry
							Dense	black s	i gravei. taining fro	Petroleum odor and om 7'-10'.			30	
1													35	
-10 —		3	-	-	62%		Loose	Datrale	ا مانا مسد	manasta liaht brawn				0.0
+								staining	g, bands o	mpacts, light brown of black staining, trace			50	
+										ng petroleum odor r shake test- trace			45	
-									oily resid	ue, strong petroleum			50	
-								odor.					55	
-15 —					000/						014/			0.0
		4	-	-	62%		Medium Dense			ND, little some fine-	SW		25	0.0
								odor, th	in lenses	Moderate petroleum of black petroleum			30	
1										ake test: trace sheen, ng petroleum odor.			50	
-								,	,				55	
+													60	
-20 —		5			53%	Gray-							70	0.0
-						Light Brown				ND, trace fine-medium naphthalene-like odor			100	
										ng, trace sheen and coated from 24'-25'.				
								Coaming	. Graver	oodied nom 24 20.			150	
													160	
_ 7						Light Brown	Loose						80	
-25 —		6	-	-	53%			Fine co	area CAN	ND, little fine gravel,	SP		45-60	0-3
I		I		I				i iiie-co	aise SAl	אט, וונוופ וווופ gravel,	l			
	1.451.5			1	000 DT 5				a 201	NII d'anna taona				
	MENTS <u>:</u> Bo hole backfill						i deoprobe an	iu sampie	u with a 2	2" diameter macrocore.				

BORING NO.: DGP-250

TEST BORING LOG Corporation **BORING NO.: DGP-250** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** NO. ROCK DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** poorly graded. Moderate Wet naphthalene-like odor. Black staining from 25'-27'. 43% 10-50 1-6 Loose--light brown petroleum-like staining, Medium light coating and moderate Dense naphthalene-like odor from 30'-35'. -35 53% 20-200 Tan-8 0-1 Orange -MGP impacted, thin lenses of heavy coating to NAPL saturation, black staining and strong naphthalene-like odor from 35'-40'. 50% SW-GW Medium 6.0 0.0 9 Fine-coarse SAND and fine-coarse Dense GRAVEL. No MGP impact noted. Light SP Fine-medium SAND, trace fine gravel. Brown-No visible MGP impact. Tan SW 10 57% 3.0 0.0 Fine-coarse SAND, trace well graded fine-coarse gravel. No MGP impact. -50 11 72% 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'

TEST BORING LOG URS Corporation BORING NO.: DGP-250 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 3 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP MOISTURE SAMPLE REC % DEPTH CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID FEET **BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** -60 SP 13 43% 2.0 0-1 Fine-coarse SAND, little fine-medium gravel, poorly graded. No MGP 1.0 impact. 0.6 -65 14 57% 0.6 0-1 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**

			TΠ) C	Col		.49			TES	т во	RING	LOG	i
										BORING NO. :	DGP-2	251		
PROJE	CT/PROJE	CT LOC				GP PDI,	Hempstead, I	New York	[SHEET:	1 OF	2		
CLIENT	:		N	ation	al Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:	F	+ N						BORING LOCATION:	On-sit	е		
GROUN	IDWATER:		~;	30' bg	js ·	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATIO	N:N/A			
DATE	TIME	LEVE	L TY	PE	TYPE		Macrocore			DATE STARTED:	12/29/			
		<u> </u>			DIA.	<u> </u>	2-inch			DATE FINISHED:	12/29/			
		<u> </u>			WT.	<u> </u>				DRILLER:	K. Keç			
		<u> </u>			FALL					GEOLOGIST:	M. Da			
					* P	OCKET P	PENETROMETE	R READIN	G	REVIEWED BY:	K. Cor	nnare		
DEPTH		SA	MPLE		REC%		SOIL CONSISTENCY		М	ATERIAL		MGP		MOISTURE
FEET	STRATA	NO.	BLOW COUNT		RQD%	COLOR	ROCK HARDNESS			SCRIPTION	USCS	COLOR	PID	HCN
				Щ			HANDINESS							
0-				$\overline{}$							N/A		N/A	
-								with #2	2 sand. C	and cleared and filled concrete encountered				
-								at 2' bg	S.					
-	•:•:•:•:•:•:•:•:•:•	1	-	+	100%	Gray-	Loose	Eine ee	oroo CAN	ND, trace-little gravel.	SW		0.0	Dry
-						Brown				ne-like odor.				0.0
-5-		2		+	97%									
-		_				White- Light		Fine-cc	arse GR	AVELLY SAND. Faint	SW-GW		5.3	1.0
						Brown		naphth	alene-like	e odor.				
													5.0	0.0
					1	Orange- Brown				halene-like odor, thin APL staining.			25	1.0
1									•	-			38	
-10 —		3	-	+	80%	Dark Brown				e fine gravel.	SW		35	2.0
-						DIOWII				nalene-like odor, dark nd heavy NAPL			72	
-								coating		າ from 11'-13'.			84.9	
-	1555555													
4										ND, some fine- Layers of slight-			61.4	
-15 —				4	770/	_		modera	ite NAPL	coating from 13'-15'.				0.0
		4	-		77%	Tan							48.6	2.0
						Black			rown laye from 15'-	ers of moderate NAPL -16'.			48.4	
								-moder	ate NAPI	coating, and strong			85.4	
1										om 16'-19.5'.			171	
1					-	Tan		_		ND. Trace NAPL	SP		34.5	1.0
-20 —		5	-	\top	78%	Black		coating		/	SW		131	2.0
+										ND, some fine- Black moderate			103	
+					}	Gray		petrole	um coatin	ig and strong			77.8	
								petrole	um odor.				90.8	
													93.4	
-25 —				\perp	700/	D								5.0
		6	-		72%	Brown		-faint p	etroleum	odor, no staining from			102	5.0
СОМ	MENTS: Bo	oring adv	anced with	1 a 77	'20 DT Dir	rect Push	n Geoprobe an	d sample	d with a 2	2" diameter macrocore.				
	hole backfil													

BORING NO.: DGP-251

TEST BORING LOG Corporation **BORING NO.:** DGP-251 PROJECT: National Grid MGP PDI, Hempstead, New York 2 SHEET: 2 OF **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** 24.5'-25'. -strong petroleum odor from 25'-28'. 6.0 115 GW 18.7 2.0 Fine-coarse GRAVEL, some finemedium sand. Moderate petroleum 20.6 1.0 odor. 83% SW Wet Light 3.3 Fine-coarse SAND, few fine gravel. Brown Slight petroleum odor. 2.3 Brown 0.0 4 1 2.7 1.0 4.6 4.0 -35 SP 65% 8 1.3 0.0 Fine SAND. Moderate petroleum odor. 3.1 1.0 GW 2.0 5.8 Fine-coarse GRAVEL, some coarse sand. Moderate petroleum odor. 7.5 1.0 7.7 87% SW 2.0 9 Light 0.6 Fine-medium SAND, trace fine gravel. Brown Faint petroleum odor. 1.1 1.8 0.3 0.4 10 97% 0.0 1.0 Fine-medium SAND. No MGP impact. -some fine-medium gravel. -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.

BORING NO.: DGP-251

Borehole backfilled with cement-bentonite grout to grade.

			TTD)C					TES	ST BO	RING	LOG	ì
			OL	LS co	rpora	ation			BORING NO. :	DGP-2	252		
PROJE	CT/PROJE	CT LOC	ATION: Na	tional Grid N	IGP PDI	, Hempstead, I	New York	(SHEET:	1 OF	3		
CLIENT	:		Na	tional Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:	F+	- N					BORING LOCATION	: On site	е		
GROUN	IDWATER:		~2	5' bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATIO	N: N/A			
DATE	TIME	LEV	EL TYP	E TYPE		Macrocore			DATE STARTED:	10/9/0	8		
				DIA.		2-inch			DATE FINISHED:	10/10/	08		
				WT.					DRILLER:	K. Keç	gel		
				FALL					GEOLOGIST:	M. Da	scoli		
				* 1	POCKET	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Cor	nare		
		S	AMPLE	REC%		SOIL					MGP		MOISTURE
DEPTH FEET	STRATA	NO.	BLOW COUNT	RQD%	COLOR	CONSISTENCY ROCK HARDNESS			IATERIAL SCRIPTION	USCS	COLOR CODE	PID	HCN
							l						
0		1	-	100%	Dark Brown	Medium Dense- Dense		agments	and clay, brick and , gravel. No MGP	FILL		0.4	Dry 0-1
+												0.0	0.0
-5-		2		90%	White	Very Dense	Concre	te.		CEMENT			0-1
		_		3076	Light Brown	Dense- Medium			AVELLY SAND. No	SP			0-1
						Dense	MGP ir	npact.				0.8	
-												0.5	
-10 —		3	-	80%	Orange-		Fine-co	arse SAN	ND, some fine-	SW		0.7	0-1
+					Brown		mediun	n gravel.	No MGP impact.			0.6	
												0.4	
-15 —		4		83%		Lagas	<u> </u>					0.4	0-1
		4	-	63%		Loose- Medium Dense							0-1
												0.6	
7												0.8	1-2
7												0.6	0-1
-20 —		5	-	77%	Light	Loose	1					0.3	
4					Brown							0.6	1-2
4					Gray-	Medium				GW		14.3	Wet
	::- :				Brown	Dense		arse SAN alene-like	NDY GRAVEL.	l Gw			
							ivapiili	alenie-like	ouui.			25.7	0-1
1												42.2	1-2
-25 —	() ()	6	-	47%	Gray							1.0	0-1
1		l		I	l	I	V			7			l

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'.

TEST BORING LOG Corporation **BORING NO.:** DGP-252 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP **MOISTURE** SAMPLE REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Fine-coarse SAND, some-trace finemedium gravel. Naphthalene-like SW Gray-2-3 odor, slight sheen. Jar shake test-Brown slight sheen, no staining, strong 65.3 naphthalene-like odor. -30 72% Orange-4.1 0.0 -no MGP impact from 30'-35'. Brown 14.7 0-1 0.0 19 1.1 0-1 0.0 -black NAPL staining, NAPL -35 97% saturation from 35'-35.5'. 0.0 8 Light 14.7 Brown 17.8 20.6 -thin black lenses of NAPL saturation from 38'-38.5'. 1.7 GP Fine-coarse SANDY GRAVEL. SW 0.5 Pockets of black NAPL saturation 40 from 38.5'-39'. 97% 0.0 9 Loose-0.0 Medium Fine-coarse SAND, little fine-medium Dense gravel. NAPL sheen from 39'-40'. -no MGP impact noted from 40'-44.75' 25.5 10 97% 0.0 14 1 -moderate NAPL coating, dark brown staining, naphthalene-like odor from 7.8 44.75'-45'. -black NAPL saturation from 45'-45.3'. -black stringers of heavy NAPL 4.3 coating from 49'-50'. -50 11 97% 0.0 1.9 Fine-coarse SAND, little fine-medium gravel. Light-moderate NAPL coating, 3.1 staining, moderate naphthalene-like 4.5 odor. Thin NAPL stringers throughout. 3.0 -3" seam of NAPL saturation at 54'. -55 12 80% 0.0 Fine-coarse SAND, trace fine gravel. No MGP impact. 0.1 0.4 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' **BORING NO.: DGP-252**

			IΠ	C				TES	ST BC	RING	LOG	i
			UR	O Co	rpora	ation		BORING NO.: DG	P-252			
PROJE	CT: Nation	al Grid N	/IGP PDI, He	mpstead, N	lew York	[SHEET: 3 OF	3			
CLIENT	: National	Grid						JOB NO. :11175065	.00011			
DEPTH		SA	MPLE	REC %		SOIL CONSISTANCY	N	MATERIAL		MGP	DID	MOISTURE
FEET	STRATA	NO.	BLOW COUNT	RQD %	COLOR	ROCK HARDNESS		SCRIPTION	USCS	COLOR	PID	HCN
			COUNT			HANDINESS						
	······	1		Ī	1	l I			1		0.1	
-							E. CAND N	NOD:			0.1	
-60 —	······································						Fine SAND. No					
_							End of boring at	60' bgs.				
-65 —												
-												
-												
-												
-												
-70 —												
-												
_												
-75 —												
-/5												
1												
-												
-												
-												
-80 —												
-												
-												
-85 —												
~												
-												
+												
-90 —					<u> </u>							
COM	MENTS: Bo	oring adv	anced with a	7720 DT D	irect Pus	h Geoprobe and	d sampled with a 2	diameter macrocore.				
	hole backfil ig handclea		cement-bento 0'-5'.	onite grout to	o grade.							
	3											
									BORING	NO.: D	GP-252	2

URS Corporation								TEST BORING LOG							
									BORING NO. :	DGP-253					
PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York									SHEET:	1 OF 3					
CLIENT: National Grid									JOB NO. :	11175	11175065.00011				
BORIN	G CONTRA	CTOR:	F + N	1	BORING LOCATION:										
GROUNDWATER: ~27' bgs CAS. SAMPLER CORE									GROUND ELEVATION: N/A						
DATE	TIME	LEVE	L TYPE	TYPE	TYPE	Macrocore			DATE STARTED:	10/9/0)8				
				DIA.		2-inch			DATE FINISHED:	10/10/08					
				WT.	WT.				DRILLER:	M. Me	M. Meade				
				FALL					GEOLOGIST:	LOGIST: J. Harshman					
				* F	POCKET	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	K. Connare				
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL CONSISTENCY	, N		ATERIAL		MGP COLOR	PID	MOISTURE		
		NO.	BLOW COUNT	RQD%	COLOR	ROCK HARDNESS			CRIPTION	USUS	COLOR	-ID	HCN		
•															
0-		1	-	100%	Brown	Loose		aded fine-	se sand, little-some coarse gravel. No	FILL		0.0	Moist 0.0		
-5-		2	-	85%	Light Brown- Orange	Loose- Medium Dense			ID, trace-little fine- No MGP impact.		_	0.0	Dry 0.0		
10 —		3	-	70%								0.0	0.0		
-15 —		4	_	58%								1.0	0.0		
-												0.0			
20 —		5	-	58%			Fine-co	 parse SAN	ND, trace fine gravel.			0.0	0.0		
				,			-slight I and na 25'.	NAPL coa phthalene	ating, brown staining like odor from 24.5'-			20			
		6	-	47%			Fine-m	edium SA	ND. Brown NAPL	SP		10	0-1		
COM	MENTS: Bo	oring adva	anced with a	6620 DT Di	rect Pus	sh Geoprobe an	ıd sample	d with a 2	2" diameter macrocore.						

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'.

TEST BORING LOG Corporation **BORING NO.: DGP-253** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN CODE RQD % COUNT **HARDNESS** staining, slight NAPL coating, sheen and strong naphthalene-like odor. Jar Wet shake test- heavy sheen and NAPL. 5.0 4.0 57% SW 0.0 Loose 0.0 Fine-medium SAND, little fine-medium gravel. No MGP impact noted. Fine-coarse SAND and GRAVEL. SW-GW 20 Moderate NAPL coating, sheen, and naphthalene-like odor. SP 5.0 Fine SAND. No MGP impact noted. -35 63% Light 0.0 8 Loose-0.0 Fine-medium SAND. No MGP impact. Brown Medium Dense 55% SW 0.0 0.0 9 Light Fine-coarse SAND, trace-little well Browngraded fine-medium gravel. No MGP Orange impact. 10 63% Light 0.0 0.0 Loose Fine-coarse SAND. No MGP impact. Brown -50 11 53% 0.0 0.0 -55 35% 12 0.0 2.0 Fine-medium SAND, trace fine gravel. No MGP impact. 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'

	URS corporation								TEST BORING LOG					
					BORING NO. : DGP-253									
			IGP PDI, Her	mpstead, N	SHEET: 3 OF 3									
CLIENT	: National				JOB NO. :11175065.00011									
DEPTH	STRATA		MPLE	REC %	COLOR	SOIL CONSISTANCY	MATERIAL		USCS	MGP COLOR	PID	MOISTURE		
FEET		NO.	BLOW COUNT	RQD %		ROCK HARDNESS	DE	SCRIPTION		CODE		HCN		
-60 —														
-00 —							End of boring at	d of boring at 60' bgs.						
-65 —														
-70 —														
_														
-75 —														
_														
-80 —														
_														
-85 —														
_														
_														
-90														
	<u> </u>													
COM	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'.													
	J							Г						
									RORING	NO.: D	GP-253			

			T	TD	C .		4=			IES	I BO	RING	LOG	i	
					S c₀					BORING NO. :	DGP-	254			
PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York									SHEET:	1 OF	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					
DATE	TIME	LEV	EL	TYPE	TYPE		Macrocore			DATE STARTED:	10/10				
					DIA.		2-inch			DATE FINISHED: 10/13/08					
					WT.					DRILLER:	M. Me				
					FALL					GEOLOGIST: J. Harshman/M. Dascoli					
					* POCKET PENETROMETER READING				REVIEWED BY:	K. Co					
DEPTH		s	SAMPLE		REC%	COLOR	SOIL CONSISTENCY ROCK HARDNESS			ATERIAL SCRIPTION	uscs	MGP COLOR CODE	PID	MOISTURE	
FEET	STRATA	NO. BLOW			RQD%									HCN	
0															
		1		-	100%	Light Brown	Loose		Mortar, bri No MGP i	ick, fine-medium	FILL		0.0	Moist 0.0	
								Sanu.	NO IVIGE I	mpact.					
Ī															
1															
-5		2		-	73%								0.0	Dry	
+						Dark			044	ID little fine medition	SW			0.0	
4						Brown			No MGP	ND, little fine-medium impact.					
_															
10															
10 —		3		-	72%	Orange- Brown				ND. Brown petroleum-			0.1	0-1	
1								like sta	ning.						
1															
+															
4						Light									
15 —		4		_	63%	Brown Light			arse SAN P impact.	ND, trace fine gravel.			0.1	0-1	
		7			00 /6	Brown- Orange			·				0.1	0-1	
						Orange									
1													0.2		
1															
20 —		5		-	58%	Light	Medium			ND, little-some fine-				0.0	
4						Brown	Dense			No MGP impact.					
_															
														1.0	
													50	1.0	
_	issasas												130		
25 —		6		-	55%			Fine-co	arse SAN	ND. Black staining ke odor from 24.5'-		,,,,,,,,	100	2-5	
ı			I	ı		ı l		i and pe	i OlGUIII-III	NO OUOI IIOIII 24.3 -	l		l	I	
T .						:			1 1.						
COM	IMENTS: B	oring ad	Ivance	ed with a	6620 DT D	rect Pusl	n Geoprobe an	id sample	d with a 2	2" diameter macrocore.					

Borehole backfilled with cement-bentonite grout to grade.

Boring handcleared from 0'-5'.

TEST BORING LOG Corporation **BORING NO.:** DGP-254 PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** 150 -black staining and strong petroleumlike odor from 26'-27'. Orange Wet -30 58% Light 0.0 0.0 Fine-coarse SAND, little fine-medium Browngravel. No MGP impact. Orange 0.6 Light 0.9 Brown 1.3 -35 68% 0-1 8 Light 0.6 Brown-Orange 0.9 2.0 1.3 -40 58% Dense- Very 1.6 0-1 9 Light SP-GP Brown Dense Ø Fine-coarse GRAVELLY SAND. No MGP impact. ⊠ Light Loose-SW Fine-coarse SAND, trace fine-medium Brown-Medium gravel. No MGP impact. Orange Dense 1.0 0.6 10 55% Loose 0.0 0.0 -50 42% 11 Loose-0.2 0.0 Medium Dense 0.8 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'.

			T'	Т	Co		4.			TES	т во	RING	LOG	Ì	
										BORING NO. :	DGP-	255			
PROJE	OJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York SHEET: 1 OF 2														
CLIENT	:			Nation	al Grid					JOB NO. :	11175	065.000	11		
BORING	G CONTRA	CTOR:		F + N						BORING LOCATION:	On sit	e- Area E	Ī		
GROUN	IDWATER:			~25' b(gs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	\! : N/A				
DATE	TIME	LEVE	EL	TYPE	TYPE		Macrocore			DATE STARTED:	10/9/0	8			
					DIA.		2-inch			DATE FINISHED:	10/9/0	18			
					WT.					DRILLER:	K. Ke				
					FALL					GEOLOGIST:	M. Da				
					* F	OCKET F	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare			
DEDTU		SA	AMPLE		REC%		SOIL CONSISTENCY		M	ATERIAL		MGP		MOISTURE	
DEPTH FEET	COLOR	PID	HCN												
O 18% Dark Brown N/A FILL. Clay, some fine-medium sand and angular gravel, ash like material.															
0—		1		-	18%		N/A	and an	gular grav and faint	ne fine-medium sand vel, ash like material. naphthalene-like odor	FILL		14.1		
_						Brown				ND, some fine-					
-5		2		-	75%			impact.		id gravel. No MGP	SW		0.7	0-1	
_						Gray		Fine-co MGP in		NDY GRAVEL. No	GW				
_						Orange- Brown	Loose- Medium Dense						0.3	Dry	
-10 —		3		-	95%								0.0	0.0	
										ND, some-little fine- No MGP impact.	SW				
-15 —		4		-	83%	Light Brown Light Brown-	Loose						0.0	0.0	
-20 —						Orange									
		5		-	90%	Orange- Brown	Loose- Medium Dense						0.0	0.0	
-25 —	∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴∴<	6		-	65%			Fine-co MGP in		NDY GRAVEL. No	GW		0.2	Wet 0.0	
Borel	MENTS: Bothole backfill excavated of	ed with	cemer				h Geoprobe an	d sample	d with a 2	diameter macrocore.					

TEST BORING LOG URS Corporation DGP-255 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID FEET **BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** SW Fine-coarse SAND, trace-no fine gravel. 0.1 -some gravel from 26.5'-27.5'. Light Brown GW Fine-coarse SANDY GRAVEL. No MGP impact. 13% Orange-0.0 0.0 Brown -35 97% Brown 0.0 0.0 SW Light Fine-coarse SAND, trace medium Brown gravel. No MGP impact. 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. 0'-5' excavated during IRM. **BORING NO.: DGP-255**

			T	Ф	2		.=			TES	т во	RING	LOG	ì
					S co	rpora	ition			BORING NO.:	DGP-	256		
PROJE	CT/PROJE	CT LOC	OITA	N: Natio	nal Grid M	IGP PDI,		SHEET:	1 OF	2				
CLIENT	:			Natio	nal Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:		F + N						BORING LOCATION:	North	end of M	IOB	
GROUN	IDWATER:			~24' t	gs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	1 : N/A			
DATE	TIME	LEVI	EL	TYPE	TYPE		Macrocore			DATE STARTED:	11/3/0	18		
					DIA.		2-inch			DATE FINISHED:	11/3/0	18		
					WT.					DRILLER:	B. Ra	th		
					FALL					GEOLOGIST:	J. Har	shman		
					* F	OCKET F	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
		S	AMPLE	<u> </u>	REC%		SOIL					MGP		MOISTURE
DEPTH	STRATA			.ow		COLOR	CONSISTENCY			ATERIAL	USCS	COLOR	PID	
FEEI		NO.	СО	TNU	RQD%		HARDNESS		DE	SCHIF HON		CODE		HCN
				<u> </u>										
0 - 100% Dark Loose Fine LOAMY SAND trace sit trace SM 0.0 Dry														
-											0.0			
O Tour ROD% ROCK HARDNESS DESCRIPTION CODE 1 1 - 100% Dark ROOSE Fine LOAMY SAND, trace silt, trace SM														
0 100% Dark Loose Fine LOAMY SAND, trace silt, trace SM 0.0 Dr														
Fine LOAMY SAND, trace silt, trace fine gravel. No MGP impact.														
Fine LOAMY SAND, trace silt, trace fine gravel. No MGP impact.														
-5-		2		-	40%	•	Loose- Medium	Fine-m	edium SA	ND, little-some fine-	SW		0.0	Moist- Dry
-							Dense			lo MGP impact.				0.0
+														
4														
40														
-10 —	<u> </u>	3		-	43%	Orange- Brown				SAND and fine-	GP		0.0	Dry 0.0
+						Diowii		mediun	n GRAVE	L. No MGP impact.				0.0
+														
-														
-15 —	<u> </u>													
-13		4		-	58%	Orange- Light				ND, little fine-medium	SP		0.0	0.0
1						Brown		gravel.	No MGP	impact.				
+	•••••••••••••••••••••••••••••••••••••••													
+														
-	•••••••••••••••••••••••••••••••••••••••													
-20 —					570/								0.0	
	· · · · · · · · ·	5		-	57%	Light Brown	Loose						0.0	0.0
7														
+														
+														Wet
-25 —		6			68%	Orone							0.0	
		6		-	00%	Orange- Light							0.0	0.0
COM	MENITO: R	orina adv	vance	d with a 6	SE20 DT Di	roct Pue	h Georgobe an	d sample	d with a 3	" diameter macrocore				

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'.

TEST BORING LOG Corporation **BORING NO.:** DGP-256 PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Brown SM Light Loose-Fine SILTY SAND. No MGP impact. Brown-Medium Gray Dense 53% Medium 0.0 0.0 Light Brown Dense SP Fine-medium SAND, trace fine gravel. No MGP impact. -35 SW 45% Medium 0.0 0.0 8 Fine-coarse SAND, some fine-Dense-Dense medium gravel. No MGP impact. Fine-coarse SAND and GRAVEL. Gray Dense GP 2.0 Faint naphthalene-like odor. 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. Borehole backfilled with cement-bentonite grout to grade. Boring handcleared from 0'-5'. **BORING NO.: DGP-256**

			T	TD	C .		4=			IES	I BO	RING	LOG	
					S					BORING NO. :	DGP-:	257		
PROJE	CT/PROJE	CT LOC	CATIC			IGP PDI,	I	SHEET:	1 OF	3				
CLIENT	Γ:			Natio	onal Grid					JOB NO. :	11175	065.000	11	
BORIN	G CONTRA	CTOR:		F + N						BORING LOCATION:		e		
GROUN	NDWATER:			~25'	bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION				
DATE	TIME	LEV	EL	TYPE	TYPE		Macrocore			DATE STARTED:	11/18	/08		
					DIA.		2-inch			DATE FINISHED:	11/20			
					WT.					DRILLER:		de/ B. R	ath	
					FALL					GEOLOGIST:	M. Da			
					*	POCKET F	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
DEPTH		S	AMPL	.E	REC%		SOIL CONSISTENCY		М	ATERIAL		MGP		MOISTURE
FEET	STRATA	NO.		DUNT	RQD%	COLOR	ROCK HARDNESS		DES	SCRIPTION	USCS	COLOR	PID	HCN
0-		1		-	100%	Dark Brown	N/A		ass fragn	silt, concrete, coal, nents. No MGP	FILL		0.0	Dry 0.0
_						Brown			arse SAN No MGP	ND, little fine-medium	SW			
-5 —		2		-	62%								0.0	0.0
_						Light Brown								
-10 — - - -		3		-	63%	Brown		-trace s	ilt from 1	0'-15'.			0.0	0.0
-15 —		4		-	58%	Orange- Brown		Fine-co silt. No	arse GRA	AVELLY SAND, trace pact.	SW-GW		0.0	0.0
-20 —		5		-	52%	Dark Brown Light Brown			gravel, tr	ND, some-little fine- ace silt. No MGP	SW		0.0	0.0
- - -		S			J276	DIOWII			arse SAN	NDY GRAVEL, trace pact.	GW		0.0	0.0
-25 —		6		-	55%			Fine-co	arse SAN	ND, some-trace fine	SW		0.0	Wet 0.0
СОМ	IMENTS: B	oring ad	vance	ed with a	6620 DT D	irect Pusl	n Geoprobe an	ıd sample	d with a 2	2" diameter macrocore.				

Borehole backfilled with cement-bentonite grout to grade.

Boring handcleared from 0'-5'.

TEST BORING LOG Corporation DGP-257 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID FEET **BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** gravel. -30 53% SP 0.0 0.0 Gray-Fine SAND. No MGP impact. Light Brown SW Fine-coarse SAND, trace-some fine--35 medium gravel. 52% 8 0.0 0.0 Orange Gray-Light Brown -40 57% Light Brown 0.0 0.0 9 Brown Light -45 42% Brown 10 1.7 10 0.5 6.0 1.7 -50 13% 11 0.8 3.0 0.0 1.0 -55 15% 0.0 12 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-257**

TEST BORING LOG URS Corporation BORING NO.: DGP-257 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 3 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP MOISTURE SAMPLE REC % DEPTH CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID FEET **BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** 0.2 -60 48% 13 Orange 0.0 0.0 Light Gray SC Fine SAND, few clay. 0.1 0.0 0.0 0.1 -65 NONE 14 0% No Recovery from 65'-70'. -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-257**

			T	Т	S co		45			TES	T BO	RING	LOG	ì	
										BORING NO. :	DGP-	258			
PROJE	CT/PROJE	CT LOC	ATIO	N: Natio	onal Grid M	IGP PDI,	Hempstead, I	New York	(SHEET:	1 OF	3			
CLIENT	Γ:			Natio	onal Grid					JOB NO. :	11175	065.000	11		
BORING	G CONTRA	CTOR:		F + N	1					BORING LOCATION:	Stepo	ut boring	, North	of DGP-253	
GROUN	NDWATER:			~26'	bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATIO	N: N/A				
DATE	TIME	LEVE	EL	TYPE	TYPE		Macrocore			DATE STARTED:	11/17	/08			
					DIA.		2-inch			DATE FINISHED:	11/17	/08			
					WT.					DRILLER:					
					FALL					GEOLOGIST:	J. Har	shman			
					* 1	POCKET P	ENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare			
DEDTU		S	AMPLE	■	REC%		SOIL		M	IATEDIAI		MGP		MOISTURE	
FEET	STRATA	NO.			BOD%	COLOR	ROCK	-			uscs	COLOR	PID	нси	
			CO	UNI	1145 70		HARDNESS					CODE		HON	
•															
TEET NO. COUNT RQD% NOCK SESSION NO. CODE HCN															
DIA. 2-inch DATE FINISHED: 11/17/08 WT. DRILLER: M. Meade FALL GEOLOGIST: J. Harshman *POCKET PENETROMETER READING REVIEWED BY: K. Connare **DEPTH STRATA NO. BLOW COUNT RQD%** **NO. BLOW COUNT RQD%** **DOUTH REET TOWN TOWN ROOM RAD ROOM ROOM RAD ROO															
+	STRATA SAMPLE STRATA SAMPLE REC% NO. BLOW COUNT RODK HARDNESS SOIL CONSISTENCY ROCK HARDNESS MATERIAL DESCRIPTION USCS COLOR CODE MGP COLOR CODE HCN HCN MOISTURE MOISTURE COLOR FILL. Ash-like material, coal fragments, cinder. Fine-coarse SAND and GRAVEL. No MGP O.0 Dry 0.0 SW-GW														
+								WIGE	праст.						
4															
-5-		2			020/								0.0	0.0	
	\bigcirc	2			03 /6								0.0	0.0	
1															
1								Fine-co	arse SAN	ND. trace-little fine-	SW				
+								coarse	gravel. N	No MGP impact.					
-10 —		3		-	68%								0.7	0.0	
4													1.3		
_													0.0		
													0.0		
1															
-15 —		4		-	65%								0.0	0.0	
+															
-															
4															
-20 —															
20		5		-	65%	Dark Brown							0.0	0.0	
						Light Brown									
1						Brown									
+															
4															
-25 —		6		_	650/								0.0	0.0	
		6		-	65%								0.0	0.0	
COM	MENTS: B	oring adv	vance	d with a	7720 DT D	rect Push	n Geoprobe an	nd sample	d with a 2	2" diameter macrocore.					
	hole backfil						1								

Boring handcleared from 0'-5'.

TEST BORING LOG Corporation **BORING NO.:** DGP-258 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY MATERIAL STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Wet -30 92% 0.0 0.0 Light Brown-Orange Light SP Fine-medium SAND. No MGP impact. Brown -becoming fine sand from 34'-43'. -35 93% 0.0 0.0 8 92% 0.0 0.0 9 SW-GW Fine-coarse SAND and GRAVEL. No MGP impact. Medium SW 10 93% 0.0 0.0 Fine-coarse SAND, little poorly graded Dense fine-coarse gravel. No MGP impact. -50 93% SW-GW 0.0 0.0 Fine-coarse SAND and GRAVEL. SP Fine-coarse SAND. No MGP impact. -55 97% 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'.

			UR	S	rnor	ation			ST BO	RING	LOG	
DRO IE	CT: Nation	al Crid M	IGP PDI, Hei					BORING NO. : DG				
	: National		IGP PDI, Hei	mpstead, N	iew fork	<u> </u>		SHEET: 3 OF JOB NO. :11175065				
	- National		MPLE	REC %		SOIL			1	MGP		MOISTURE
DEPTH FEET	STRATA	NO.	BLOW	RQD %	COLOR	ROCK HARDNESS		MATERIAL ESCRIPTION	uscs	COLOR CODE	PID	HCN
	STRATA				COLOR			SCRIPTION	USCS		PID	HCN
COM Borel	nole backfil	led with c	ement-bento	7720 DT D	irect Pus o grade.	h Geoprobe and	d sampled with a 2	" diameter macrocore.				
Borin	g handclea	irea irom	υ-5.									
								Γ	BORING	NO.: D	GP-258	3

			TT	RS	Co		4lon				SI BO		LOG	<u> </u>	
										BORING NO. :	DGP-2				
	ROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York SHEET: 1 OF 3 JOB NO.: 11175065.00011 DRING CONTRACTOR: F + N BORING LOCATION: On site, north of DGP-254.														
CLIENT	i: 				al Grid										
	G CONTRA			F + N						BORING LOCATION:		e, north c	of DGP-2	254. ————	
GROUN	NDWATER:			~26' bg	1	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATIO					
DATE	TIME	LEVE	EL	TYPE	TYPE		Macrocore			DATE STARTED:	11/18/				
			-		DIA.		2-inch			DATE FINISHED:	11/18/				
					WT.					DRILLER:	M. Me				
			\perp		FALL					GEOLOGIST:	J. Har				
					* P	OCKET F	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Cor	nare			
DEPTH		SA	AMPLE		REC%	COLOR	SOIL CONSISTENCY		М	ATERIAL		MGP		MOISTURE	
FEET	STRATA	NO.	BLO/		RQD%	SCRIPTION	USCS	COLOR	PID	HCN					
		l					HARDNESS								
0-	FILL. Ash-like material, coal fragments, cinder, fine-coarse gravel. SW FILL Dense FILL Sh-like material, coal fragments, cinder, fine-coarse gravel. Fine-coarse SAND, some-little fine-														
1	The state of the s														
							Medium				SW				
							Dense			ND, some-little fine- No MGP impact.					
1															
†															
-5		2	-		80%	Light							0.0	0.0	
4						Brown- Orange									
4															
1															
-10 —		3	-		80%	-	Loose						0.0	0.0	
+															
-															
4															
15															
-15 —		4	-		72%								0.0	0.0	
1															
+															
+															
4															
-20 —					070/						014 617		0.0	0.2	
		5	-		67%					ID and GRAVEL. No	SW-GW		0.0	0.0	
7								MGP in	npact.						
7															
+															
4															
-25 —		6			65%						SW		0.0	Dry- Moist	
		o	-		00 /0			Fine-co	arse SAN	ID, some-little fine-	JVV		0.0	0.0	
	<u> </u>														
							h Geoprobe an	d sample	d with a 2	2" diameter macrocore.					
Bore	hole backfill	ed with	cement-												
Borir	ng handclea	red from	า 0'-5'.											1	

TEST BORING LOG Corporation **BORING NO.:** DGP-259 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY MATERIAL STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** coarse gravel. No MGP impact. Fine-medium GRAVEL, little fine-GW Wet coarse sand. SW Light Brown-Fine-coarse SAND, some-little fine-Gray coarse gravel. No MGP impact. -30 67% 0.0 0.0 0.7 1.0 -35 SM 93% 0.0 8 Loose-0.0 Fine-medium SAND, trace silt. No Medium Dense MGP impact. 0.8 97% SP 0.0 0.0 Fine SAND, some-little fine-coarse gravel. No MGP impact. SW 10 97% Light Medium 0.0 0.0 Fine-coarse SAND. No MGP impact. Brown Dense Light Dense Fine-coarse SAND, trace-little fine Browngravel. No MGP impact. Orange -50 78% 11 Light Medium 0.0 0.0 Brown Dense -55 65% 12 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'

			TID	C				TES	т во	RING	LOG	
			UR					BORING NO.: DGI	P-259			
			/IGP PDI, Her	npstead, N	lew York	<u> </u>		SHEET: 3 OF 3				
CLIENT	: National					SOIL		JOB NO. :11175065.	00011	1 400		
DEPTH	STRATA	-	MPLE	REC %	COLOR	CONSISTANCY		MATERIAL	USCS	MGP COLOR	PID	MOISTURE
FEET		NO.	BLOW COUNT	RQD %		ROCK HARDNESS	DE	SCRIPTION		CODE		HCN
	•	•										
				ı								
-60 —												
				ı			End of boring at	60' bgs.				
_				ı								
_				ı								
-				ı								
-65 —				ı								
-				ı								
-				ı								
-				ı								
-				ı								
-70 —				ı								
-				ı								
-				ı								
-				ı								
-				ı								
-75 —				ı								
-				ı								
_				ı								
				ı								
-80 —				ı								
-00 _				ı								
				ı								
				ı								
				İ								
-85 —				ı								
				İ								
_				İ								
				ı								
				ı								
-90												
COM	MENTS: Bo	oring adv	anced with a cement-bento	7720 DT D	irect Pus	h Geoprobe and	d sampled with a 2	" diameter macrocore.				
	ng handclea			into grout to	graue.							
									BORING	NO.: D	GP-259	,

TEST BORING LOG URS Corporation **BORING NO.: DGP-260** PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York SHEET: 1 OF 2 **National Grid** CLIENT: JOB NO.: 11175065.00011 LIRR ROW- east of site F + N**BORING LOCATION: BORING CONTRACTOR:** ~25' bgs **GROUNDWATER:** CAS. SAMPLER CORE TUBE **GROUND ELEVATION: N/A DATE STARTED:** 12/3/08 DATE TIME LEVEL **TYPE TYPE** Macrocore **DATE FINISHED:** 12/3/08 DIA. 2-inch DRILLER: M. Meade WT. M. Dascoli **GEOLOGIST: FALL** K. Connare * POCKET PENETROMETER READING **REVIEWED BY:** SOIL **SAMPLE** MGP REC% MOISTURE **MATERIAL DEPTH** CONSISTENCY COLOR PID **STRATA** COLOR USCS **BLOW** DESCRIPTION NO. **FEET ROCK** RQD% **HCN** CODE COUNT **HARDNESS** 100% N/A Moist Dark 0.0 ML/CL ASPHALT. Brown 0.0 CLAYEY SILT, little fine-medium sand, moderate plasticity. No MGP impact. 65% 0.0 0.0 GW Orange-Dry Fine-coarse GRAVEL, some fine-Brown coarse sand, trace silt. No MGP impact. -10 52% SW 0.0 0.0 Fine-coarse SAND, little fine-medium gravel, trace silt. No MGP impact. -15 65% 0.0 0.0 Fine-coarse SAND, some-little finemedium gravel. No MGP impact. Light Brown -20 73% Orange-0.0 0.0 Brown Moist -25 73% 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 NO.: DGP-260

Boring handcleared from 0'-5'

TEST BORING LOG URS Corporation DGP-260 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE MOISTURE REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID ROCK FEET **BLOW** NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** GW Fine-coarse SANDY GRAVEL. No MGP impact. 73% 0.0 0.0 -35 90% SW 0.0 8 0.0 Fine-coarse SAND, little-trace fine gravel. No MGP impact. Light Brown 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'. **BORING NO.: DGP-260**

			ŢΠ	RS		rnora	tion						LOG	ì	
PROJE	CT/PROJE	CTIOC						Now Vorl	,						
		CT LOC				GP PDI,	nempstead, i	vew fork	<u> </u>				4.4		
					ai dila									B Barking L	
					70	040	CAMPLED	0005	TUDE			now, eas	St OI IVIO	b Faiking LC	
1					1	CAS.		CORE	IUBE			/no			
DATE	TIME	LEVE	EL T	YPE											
							2-inch								
					* F	OCKET P		R READIN	G	REVIEWED BY:	K. Co	nnare			
DEPTH		SA	AMPLE		REC%				M	IATERIAL		MGP		MOISTURE	
FEET	STRATA	NO.			RQD%	COLOR	ROCK	1	DES	SCRIPTION	USCS		PID	HCN	
			COOM	<u> </u>			HARDNESS					OODL		_	
•															
TEET STIRTH NO BLOW COLOIT BOOK DESCRIPTION 0505 052511 1.15															
1 1	$\times\times\times$			m gravel. No MGP	NAI .										
+ 1								\ <u> </u>		/	IVIL				
4 1										nedium sand. No					
4															
-5	Till Individual Prince of the property of the														
~		SW		0.0	0-1										
1 1	National Grid MGP PDI, Hempstead, New York														
+ 1	PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York SHEET: 1 OF 2 JOB NO.: 11175065.00011 BORING CONTRACTOR: F + N BORING LOCATION: LIRR Row, east of GROUNDWATER: -25 bgs CAS. SAMPLER CORE TUBE GROUND ELEVATION: N/A DATE TIME LEVEL TYPE TYPE Macrocore DATE STARTED: 11/11/08 WIT. DATE STARTED: 11/11/108 WIT. DRILLER: M. Meade FALL GEOLOGIST: M. Dascoil FOCKET PENETROMETER READING REVIEWED BY: K. Connare RECT STRATA NO. BLOW COUNT ROD'S COLOR CONSISTENCY ROCK MARDINESS DEPTH STRATA NO. BLOW COUNT ROD'S DAW DESCRIPTION USCS COLOR CONSISTENCY ROCK MARDINESS DEPTH BROWN DESCRIPTION USCS COLOR CONSISTENCY ROCK MARDINESS DATE TIME LEVEL TYPE TYPE TO THE TO THE FINE COLOR CONSISTENCY ROCK MARDINESS DEPTH STRATA NO. BLOW COUNT ROD'S DAW DESCRIPTION USCS COLOR CONSISTENCY ROCK MARDINESS DEPTH STRATA NO MGP Impact. DATE TIME TIME FINE PROVING THE FIRE FINE COLOR CONSISTENCY ROCK MARDINESS DATE TIME TIME TIME FINE PROVING THE FINE FINE FINE PROVING THE FINE FINE FINE FINE FINE FINE FINE FIN														
4 1															
4 1	PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York SHEET: 1 OF 2														
PROJECT DCATION: National Grid MGP PDI, Hempstead, New York SHEET: 1 OF 2															
-10				0.0	1-2										
1 1														0-1	
-	DEPTH FEET STRATA NO. BLOW COUNT RQD% COLOR RQD% COLOR RQD% CONSISTENCY ROCK HARDNESS MATERIAL DESCRIPTION USCS COLOR ROCK HARDNESS MATERIAL DESCRIPTION USCS CO														
+ 1															
4 1					-	Light								1.0	
-15						Brown-									
.		4	-		60%				" 0	DAVELLY CAND. N	SW-GW		0.0	3.0	
7 1										RAVELLY SAND. No				1.0	
1 1														2.0	
+ 1														1.0	
4 1															
-20 —															
		5	-		67%						SW		0.0		
7 1								mediun	n gravel.	No MGP impact.					
+ 1														1.0	
+ 1															
														2.0	
-25 —					10										
_		6	-		43%								0.9	Wet 1.0	
'		1		'	ļ	Į.		•			•	•		' ´	
0011	MENTO D	ring od	rancod	ith o C	ים דם מפי	root Deal	Goorcha	d compl-	d with a C	2" diameter macrocore.					
	MENTS: Bo hole backfill						i deopiobe an	iu saiiipie	u willi a z	ulameter macrocore.					

Boring handcleared from 0'-5'.

TEST BORING LOG Corporation **BORING NO.: DGP-261** PROJECT: National Grid MGP PDI, Hempstead, New York 2 SHEET: 2 OF **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN CODE RQD % COUNT **HARDNESS** 2.0 0.4 -slight naphthalene-like odor from 27'-15.4 3.0 10.9 1.0 -30 53% Fine SAND, trace fine gravel, few silt. SW-SM 2.0 Light 10.2 Gray-No MGP impact. Brown 18 94 717 4.0 -3" seams of brown NAPL staining, slight-moderate coating and NAPL 844 5.0 saturation from 33'-35'. -35 50% SM Light Dense 1.0 8 42.6 Fine SAND, few silt. Faint Brown naphthalene-like odor. 27.9 46.7 Fine-coarse SANDY GRAVEL. No 30.4 MGP impact noted. GW Gray SW 31.5 Fine-medium GRAVELLY SAND. Faint naphthalene-like odor. 43% 36.7 1-2 9 Fine-medium SAND, trace fine gravel. 31.2 Moderate naphthalene-like odor. 40.2 41.3 14.5 2.0 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. Borehole backfilled with cement-bentonite grout to grade. Boring handcleared from 0'-5'.

15 — 4 - 83% Orange-Brown 20 — 5 - 53% - trace cobbles from 20'-25'.				TT	DC			4.			TES	т во	RING	LOG	İ	
Debty Strata National Grid Solution											BORING NO. :	DGP-	262			
BORING CONTRACTOR:	PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York SHEET: 1 OF 2															
COMMENTS: -37 bgs CAS. SAMPLER CORE TUBE GROUND ELEVATION: N/A	CLIENT	Г:			Nation	al Grid					JOB NO. :	11175	065.000	11		
DATE TIME LEVEL TYPE DIA 2-sinch DATE STARTED: 11/12-08	BORIN	G CONTRA	CTOR:		F + N						BORING LOCATION:	LIRR	Row, Eas	st of MO	В	
DIA	GROUN	NDWATER:			~37' bg	gs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N : N/A				
WT. GRULER: K. Kegel GCOLOGIST: M. Dascoll M. Das	DATE	TIME	LEVE	EL	TYPE	TYPE		Macrocore			DATE STARTED:	11/12	/08			
FALL POCKET PENETROMETER READING REVIEWED BY: K. Commare STRATA No. BLOW COUNT ROOK COLOR ROOK						DIA.		2-inch			DATE FINISHED:	11/12	/08			
SAMPLE REC% SOIL MATERIAL DESCRIPTION USCS MOP COOR MOP COOR MOP COOR MOP MOSTURE MOST						WT.					DRILLER:	K. Ke	gel			
DEPTH STRATA No. SLOW ROD% COLOR CONSISTENCY MATERIAL DESCRIPTION USCS CODE PID MOISTURE HCN HCN						FALL					GEOLOGIST:	M. Da	scoli			
STRATA No. BLOW COUNT ROD% COUNT ROD% COUNT ROD% COUNT ROD% ROCK RARDNESS ROCK RARDNESS ROCK RARDNESS ROCK RARDNESS ROCK RARDNESS ROCK RARDNESS ROCK RARDNESS ROCK ROCK ROCK ROCK ROCK ROCK RARDNESS ROCK						* P	OCKET F	PENETROMETE	R READIN	iG	REVIEWED BY:	K. Co	nnare			
STRATA NO. SLOW ROD% COUNT ROD% COUNT ROD% COUNT ROD% ROCK RARDNESS ROCK R			S	AMPLE		REC%							MGP		MOISTURE	
1		STRATA	NO					USCS		PID						
Fill File			110.	cou	NT	RQD%				520	301 1.0.K		CODE		HCN	
Fill File			•			•	•									
Brown Brown -trace fine cobbles. -trace fine coarse gravel. No MGP impact. -trace fine coarse gravel. No MGP impact. -trace fine coarse gravel. No MGP impact. -trace fine coarse gravel. No MGP impact. -trace fine coarse gravel. No MGP impact. -trace fine coarse gravel. No MGP impact. -trace fine coarse gravel. No MGP impact. -trace fine coarse gravel. No MGP impact. -trace fine coarse gravel. No MGP impact. -trace fine coarse gravel. No MGP impact. -trace fine cobbles from 20°-25°. -trace cob	FILL. Fine-coarse sand, few fine-medium gravel. No MGP impact.															
-trace fine cobbles. Trace fine cobbles	-	0 Told Time HARDNESS														
-trace fine cobbles. Trace fine cobbles	0 Dark Brown N/A FILL. Fine-coarse sand, few fine-medium gravel. No MGP impact.															
10 -							DIOWII		-trace f	ine cobble	es.					
10 -	FILL. Fine-coarse sand, few fine-medium gravel. No MGP impact.															
10 -	1															
Coarse gravel. No MGP impact.	-5		2	-		80%			Fine-co	arse SAN	ND, some-trace fine-	SW		0.0	0.0	
15 - 4 . 83% 0.0	+						Brown									
15 - 4 . 83% 0.0	4															
15 - 4 . 83% 0.0																
15 - 4 . 83% 0.0																
15 - 4 . 83% 0.0	1															
20 — 5 — 53% —————————————————————————————	10 —		3	-		83%								0.0	0.0	
20	4						Brown									
20	4															
20																
20																
20																
25 — -trace cobbles from 20'-25'. 13.5 Moist Fine-medium SAND, some fine- COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.	15 —		4	-		83%								0.0	0.0	
25 — -trace cobbles from 20'-25'. 13.5 Moist Fine-medium SAND, some fine- COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.	-															
25 — -trace cobbles from 20'-25'. 13.5 Moist Fine-medium SAND, some fine- COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.	-															
25 — -trace cobbles from 20'-25'. 13.5 Moist Fine-medium SAND, some fine- COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.	1															
25 — -trace cobbles from 20'-25'. 13.5 Moist Fine-medium SAND, some fine- COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.																
25 — -trace cobbles from 20'-25'. 13.5 Moist Fine-medium SAND, some fine- COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.																
Fine-medium SAND, some fine- COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.	20 —		5	-		53%			-trace c	obbles fr	om 20'-25'.			0.0	0.0	
Fine-medium SAND, some fine- COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.	+															
Fine-medium SAND, some fine- COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.	-															
Fine-medium SAND, some fine- COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.	1															
Fine-medium SAND, some fine- COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.																
Fine-medium SAND, some fine- COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.	_															
COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.	25 —		6	-		42%			Fine m	adium CA	ND some fine			13.5		
	1		l		I				l Line-w	eululii SA	עואו, אווופ, טווופ, עואו,	I			J 0-1	
								h Geoprobe an	d sample	d with a 2	2" diameter macrocore.					

Boring handcleared from 0'-5'.

TEST BORING LOG URS Corporation **BORING NO.: DGP-262** PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** coarse gravel. Faint naphthalene-like odor, light NAPL coating on gravel. Fine SAND, some silt. Moderate N/A SM 12.1 2.0 Light naphthalene-like odor. Brown 67.3 1.0 -3" band of NAPL saturation, smaller seams of moderate NAPL coating, 1287 2.0 strong naphthalene-like odor from 32.5'-33.5'. 97.1 3.0 Light Fine SAND, some silt. Moderate Gray-91.7 1.0 naphthalene-like odor. Brown N/A 28 Fine-coarse GRAVEL, some medium-19 2.0 coarse sand. Moderate naphthalenelike odor. GW Light Wet 15 Brown SW Loose-1.0 Fine-coarse SAND, trace-little fine-Medium medium gravel. Moderate Dense naphthalene-like odor. 10.1 N/A 26.7 9 34.7 7.4 2.0 2.3 1.0 12.1 3.0 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. Borehole backfilled with cement-bentonite grout to grade. Boring handcleared from 0'-5'. **BORING NO.: DGP-262**

			UR	S co	rners	tion					RING	LOG	ì	
PRO IE	CT/PROJE	BORING NO. :	DGP-											
CLIENT		CI LOCA		ional Grid	MGP PDI,	nempstead, i	vew fork	<u> </u>	SHEET: JOB NO. :	1 OF		4.4		
		0700							BORING LOCATION:		065.000 Row, Eas		ıD.	
	G CONTRA		F +	b' bgs	040	SAMPLER	CORE	TUBE	GROUND ELEVATION		now, La	St OI IVIO		
-	IDWATER:	1	1	-	CAS.		CORE	IUBE	DATE STARTED:	11/12	/no			
DATE	TIME	LEVE	L TYP			Macrocore			DATE STARTED:	11/12/				
				DIA.		2-inch				M. Me				
				WT.					DRILLER: GEOLOGIST:	M. Da				
				FALL										
				*	POCKET P	ENETROMETE	R READIN	G	REVIEWED BY:	K. Co	mare		1	
DEPTH	l l	SA	MPLE	REC%		SOIL CONSISTENCY		М	ATERIAL		MGP		MOISTURE	
FEET	STRATA	NO.		RQD%	COLOR	ROCK	1	DES	SCRIPTION	USCS	l	PID	HCN	
						HARDNESS					-			
0														
STRATA NO BLOW COLOR CONSTITUTION USCS COLOR PID														
1							matter.	ne-mediu No MGF	m gravel and organic impact.					
1									·					
+ 1														
4														
-5—		2		050/								0.0	0.0	
		2	-	65%								0.0	0.0	
	××××				Light			041	IDV CDAVEL No	GW				
1					Brown		MGP in		NDY GRAVEL. No					
-	••••••								MGP impact.	SP				
+							1 1110 07	TIVE. INC	Mai Impact.					
10 —	• • • • • • • • • • • • • • • • • • •	3		73%	_					SW		0.0	0.0	
				7070			Fine-co	arse SAN n gravel.	ND, some-few fine-	011		0.0	0.0	
								. g.a.o						
					Brown									
					Light Brown									
-					Brown									
15 —		4	-	63%	Brown		<u></u>					0.0	0.0	
_							MGP in		AVELLY SAND. No					
1														
20 —		5	-	62%	1							0.0	0-1	
-					Orange-			edium SA	ND, trace-few fine					
4					Brown Light		gravel.							
					Brown		Fine-co		AVELLY SAND. No					
							\		/					
					Dark Brown		Fine-markel.	edium SA	ND, trace-few fine	GW				
25 —		6	-	33%	1			arca CAN	JIDY GDAVEL No.			0.0	Wet	
I	<u> </u>			1	1 1		Fille-CO	aise SAl	NDY GRAVEL. No		l l		0.0	
				a 6620 DT D		n Geoprobe an	ıd sample	d with a 2	2" diameter macrocore.					

Boring handcleared from 0'-5'.

TEST BORING LOG URS Corporation **BORING NO.: DGP-263** PROJECT: National Grid MGP PDI, Hempstead, New York 2 SHEET: 2 OF **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN CODE RQD % COUNT **HARDNESS** MGP impact. SW Fine-coarse SAND, trace fine gravel. Faint naphthalene-like odor. Fine SAND, some silt, trace fine 50% SM 240 1.0 gravel. Strong naphthalene-like odor, dark brown staining, and thin lenses of 53 2.0 NAPL coating. -no staining from 32'-33'. 175 1.0 375 4.0 -moderate NAPL coating from 33'-53 2.0 -MGP sheen from 33.5'-35'. 53% Gray-8 15.9 Fine SAND, some silt. Moderate Brown naphthalene-like odor. 6.7 10.7 Brown SW 15.1 3.0 Fine-medium SAND, few fine gravel. Moderate naphthalene-like odor. 18.1 5.0 3% SP 0.0 10.5 9 Light Fine-medium SAND, trace silt. No Brown MGP impact noted. 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**

			TT	DC			4.			TES	т во	RING	LOG	i
			U.		Col	pora	ation			BORING NO. :	DGP-2	264		
PROJE	CT/PROJE	CT LOC	ATION:	Nation	al Grid M	GP PDI,	Hempstead, I	New York	[SHEET:	1 OF	2		
CLIEN	Γ:			Nation	al Grid					JOB NO. :	11175	065.000	11	
BORIN	G CONTRA	CTOR:	!	F + N						BORING LOCATION:	SE co	rner off g	as regu	lator station
GROU	NDWATER:			~28' bg	js	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N:N/A			
DATE	TIME	LEVE	L T	YPE	TYPE		Macrocore			DATE STARTED:	12/30/	08		_
					DIA.		2-inch			DATE FINISHED:	12/30/	08		
					WT.					DRILLER:	K. Keç	gel		
					FALL					GEOLOGIST:	J. Har	shman		
					* P	OCKET	PENETROMETE	R READIN	G	REVIEWED BY:	K. Cor	nnare		
DEPTH		SA	MPLE		REC%		SOIL		м	ATERIAL		MGP		MOISTURE
FEET	STRATA	NO.	BLOW		RQD%	COLOR	CONSISTENCY ROCK HARDNESS			SCRIPTION	USCS	COLOR	PID	HCN
		•		•	•									
0		1	-		100%	Brown- Dark Brown	Loose		trace red	um silty sand, trace brick. No MGP	FILL		0.0	Dry 0.0
-5 - -		2	-		97%	Light Brown- Orange				ID, trace-little fine- No MGP impacts.	SW		0.0	0.0
		3	-		73%	Light Brown- Yellow							0.0	0.0
- 		4	-		73%			Fine-co gravel.	 arse SAN No MGP	 ID, little fine-medium impact.			0.0	0.0
		5	-		65%	Light Brown- Orange			arse SAN No MGP	 ID, little fine-coarse impact.			0.0	0.0
25 —		6	-		60%					" diameter macrocore			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'.

TEST BORING LOG Corporation **BORING NO.:** DGP-264 PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Moist Wet Tan 10 0.0 Fine-medium SAND. Moderate naphthalene-like odor, black and 83% Black 55 3.0 brown staining, sheen, and moderate NAPL coating. Intervals of heavy coating and NAPL saturation from 30'-2.0 6.0 0.0 Fine SAND. Faint naphthalene-like 2.0 odor. 75% Light 0.0 8 0.0 Fine SAND. No MGP impact noted. Brown 97% Medium SW 0.0 0.0 9 Fine-coarse SAND, some-few fine-Dense coarse gravel. No MGP impact. 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'. **BORING NO.: DGP-264**

			Ţ	TR	S		-41a					RING	LOG	i	
	TEST BORING LOG BORING NO.: DGP-265 ROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York LIENT: National Grid JOB NO.: 11175065.00011														
		CT LOC	CATIC			IGP PDI,	Hempstead, I	New York	(
CLIENT	<u>[:</u>												11		
	G CONTRA			F + N			1	·	1	BORING LOCATION:		e			
GROUN	IDWATER:	<u> </u>	-	~25'	-	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION					
DATE	TIME	LEV	EL	TYPE	TYPE		Macrocore			DATE STARTED:	1/5/09				
					DIA.		2-inch			DATE FINISHED:	1/5/09				
					WT.					DRILLER:	M. Me				
					FALL					GEOLOGIST:	M. Da				
					* 1	POCKET	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Cor	nnare			
DEPTH	STRATA		AMPL	E LOW	REC%	COLOR	SOIL CONSISTENCY			ATERIAL	USCS	MGP COLOR	PID	MOISTURE	
FEET	OTHATA	NO.		SCRIPTION	0000	CODE		HCN							
0-	0 - 100% Dark Brown N/A FILL. 3/4 stone on top layer. Fine-coarse sand and gravel, trace silt. No MGR impact														
1	1 - 100% Dark Brown N/A FILL. 3/4 stone on top layer. Fine- FILL 0.0 Dry 0.0														
+								IVIGI	праст.						
-															
	$\times\!\!\times\!\!\times$										0144				
-5-						Orange- Brown				ND, some-few fine-	SW				
-3		2		-	75%			coarse	gravei. N	No MGP impact.			0.0	0.0	
1															
+															
4															
10 —								 							
		3		-	70%	Brown-		' Fine-co	arse SAN	ND, few fine gravel.			0.0	0.0	
1						Dark Brown							0.6		
-								-faint na 12.5'-13		ne-like odor from			8.5		
+						Orange-		Fine on	oras CD	AVEL. some medium-	GW		3.2		
4						Brown				MGP impact noted.			3.5		
15 —	(). : ()	4			700/	Drown		Fine-co	arse GR	AVEL and SAND.	SW-GW			0.0	
		4		-	72%	Brown				ne-like odor.			6.5	0.0	
								Fine-co	arse SAN	ND, some fine gravel.	SW		9.2		
7										ne-like odor.			18.9		
7													15.5		
+													14.7		
20 —		5		_	68%	Light					SW-GW		5.5	0.0	
	\mathcal{L}	Ü			0070	Brown		Fine-co		AVELLY SAND. No	011 011			0.0	
								l Wich	iipaoti				6.7		
1								Fine-co	arse SAN	ND, little-few fine-	SW		6.1		
+								coarse					6.3		
25 —		6		-	67%				aphthalen	ne-like odor from 25'-			1.9	Wet	
								30'.					-	0-1	
COM	MENTS: B	oring ad	vance	ed with a	6620 DT D	irect Pus	h Geoprobe an	d sample	d with a 2	2" diameter macrocore.					

Borehole backfilled with cement-bentonite grout to grade.

Boring handcleared from 0'-5'.

TEST BORING LOG Corporation **BORING NO.: DGP-265** PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** 0.0 3.1 3.4 4.1 93% SP 0.0 1.2 Fine SAND. Moderate naphthalenelike odor. 1.6 26.7 2.0 Dark -dark brown NAPL staining and thin lenses of moderate NAPL coating Brown 3.1 0.0 from 32.5'-33'. 3.3 -35 SW 97% Light 0.0 8 Fine-medium SAND. Faint 3.4 Brown naphthalene-like odor. -little fine-medium gravel from 37'-37.5'. -little fine-coarse gravel from 39'-40'. 97% Brown GW 0.0 9 3.1 Fine-coarse GRAVEL, some medium-coarse sand. No MGP impacts. SW 3.5 Fine-coarse SAND, little fine-medium gravel. No MGP impact. 4.1 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'.

			I	TR	S c.	ww e	-4ia					RING	LUG	İ
DD 6 :-	OT/DD::-	OT : 5 -								BORING NO. :	DGP-			
		CT LOC	ATIC			IGP PDI,	Hempstead,	New York	(SHEET:	1 OF			
CLIENT					nal Grid					JOB NO. :		065.000	11	
	G CONTRA			F + N						BORING LOCATION:		e 		
GROUN	NDWATER:	<u> </u>		~24'	bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATIO				
DATE	TIME	LEV	EL	TYPE	TYPE		Macrocore			DATE STARTED:	1/5/09			
					DIA.		2-inch			DATE FINISHED:	1/5/09			
					WT.					DRILLER:	M. Me			
					FALL					GEOLOGIST:	M. Da			
					* 1	POCKET	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare		
DEPTH		s	AMPL	.E	REC%		SOIL CONSISTENCY	,	M	IATERIAL		MGP		MOISTURE
FEET	STRATA	NO.		LOW DUNT	RQD%	COLOR	ROCK	1		SCRIPTION	USCS	COLOR	PID	HCN
							HARDNESS					0022		
0-														_
		1		-	100%	Dark Brown	N/A			cover. Fine-coarse	FILL		0.0	Dry 0.0
						Black		silt.		-coarse gravel, trace			1.1	
1								-faint n	aphthaler	ne-like odor from 1.5'-			1.3	
+								0.0.						
+						Gray- Light				SAND, some fine-	SW		1.5	
-5-		2		-	77%	Brown Brown		mediun	n gravel.	No MGP impact.			17.9	0-1
		-			7770	Biowii		-thin le	ne of dark	brown staining and				
										e-like odor at 6'			40.5	2.0
													25.2	0.0
1													21.2	
+	100000					Orange-		Fine-co	arse SAN	ND, little fine-medium			18.3	0-1
10 —		3		-	77%	Brown			No MGP				2.6	
4													3.1	0.0
4													4.2	0-1
														0-1
													5.8	
													6.1	
15 —		4		-	67%				aphthaler	ne-like odor from 15'-			3.7	
+								19.5'.					4.8	1-2
+													7.8	0-1
4													12.1	
								Coarse	SAND a	nd fine-medium				0.0
20 —						Gray		GRAVE	EL. No M	GP impact.	SW-GW		0.0	0.0
20		5		-	63%	Orange- Brown				AVEL, some fine-	GW SP		10.5	0-2
1								coarse odor.	sand. Fa	aint naphthalene-like			9.2	0-1
+								L	AND +	o fine coores success			11.5	
+						Light		Faint n	trac, trac aphthaler	e fine-coarse gravel. ne-like odor.			12.1	
4						Brown							14.1	Wet
25 —	······································				7021	Brown					0111			
-		6		-	72%			Fine-co	arse SAN	ND, trace fine gravel.	SW		11.5	0-1
		•		•		. '				-				:
COM	IMENTS: R	oring ad	vance	ed with a	6620 DT D	irect Pus	h Geoprobe ar	nd sample	ed with a 2	2" diameter macrocore fr	om 5'-70)' bas		
	<u></u>	g uu					soopiooo ai	campic			5 70	~95.		

Boring handcleared from 0'-5' bgs.

Borehole backfilled with cement-bentonite grout to grade.

TEST BORING LOG Corporation **BORING NO.: DGP-266** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN CODE RQD % COUNT **HARDNESS** Faint naphthalene-like odor. 9.3 12.6 -30 93% 1-2 Light 5.3 Brown 6 1 0-1 9.5 -35 97% 8 1.1 0-1 1.3 1.5 2.5 Fine-coarse GRAVEL, some cobbles, trace coarse sand. No MGP impact GW Gray-3.5 noted. Tan 97% SW 0.0 9 Orange-0.0 Fine-medium SAND, some fine gravel. Brown Faint naphthalene-like odor. Fine-coarse GRAVEL, some fine-GW medium sand. Faint naphthalene-like odor. SW 2.5 0-1 Fine-coarse SAND, trace fine-medium gravel. Faint naphthalene-like odor. 10 97% Light 0.0 0.0 Brown Fine-medium SAND, few fine-coarse gravel. No MGP impact. Fine-coarse GRAVEL, few finemedium sand. No MGP impact noted. GW SW Fine-medium SAND, few fine-coarse gravel. No MGP impact. -50 11 97% 0.0 0.0 0.1 0-1 Fine-coarse GRAVEL, little fine-GW medium sand. No MGP impact. SW Fine-medium SAND, few fine-coarse -55 gravel. 12 97% 0-1 -faint naphthalene-like odor from 55'-60'. 1.0 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. **BORING NO.: DGP-266**

TEST BORING LOG Corporation **BORING NO.: DGP-266** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 3 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY MATERIAL STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** -60 97% SP 13 1.1 0-1 Fine-medium SAND, trace medium gravel. Faint petroleum odor. 2.3 Fine SAND, very thin clay lense at 64'. -65 Faint petroleum odor from 64'-65'. 14 97% 0.0 0.0 No MGP impact noted from 65'-69'. Fine SAND, some silt, trace intermittent clay lenses. No MGP Orange-Brown SM impact noted. 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 from 5'-70' bgs. Boring handcleared from 0'-5' bgs. Borehole backfilled with cement-bentonite grout to grade. **BORING NO.: DGP-266**

			T'	Ф	S co		4.			TES	т во	RING	LOG	i
										BORING NO. :	DGP-	267		
PROJE	CT/PROJE	CT LOC	ATION			IGP PDI,	Hempstead, I	New York	(SHEET:	1 OF	3		
CLIENT	Γ:			Nation	nal Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:		F + N						BORING LOCATION:	On sit	е		
GROUN	NDWATER:			~26' b	gs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION				
DATE	TIME	LEVE	EL	TYPE	TYPE		Macrocore			DATE STARTED:	1/12/0			
					DIA.		2-inch			DATE FINISHED:	1/12/0			
					WT.					DRILLER:	B. Rat			
					FALL					GEOLOGIST:	M. Da			
					* 1	POCKET	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare		
DEPTH		S	AMPLE		REC%		SOIL CONSISTENCY		M	ATERIAL		MGP		MOISTURE
FEET	STRATA	NO.	COL	OW UNT	RQD%	COLOR	ROCK HARDNESS		DES	SCRIPTION	USCS	COLOR	PID	HCN
0		1		-	100%	Dark	N/A	ASPHA	ALT.		FILL		1.1	Dry
-						Brown		FILL. F		/ sand, some fine- Moderate				0.0
_						Drawa		naphth	alene-like	odor.	SW			
						Brown		Fine-co	arse SAN	ND, some fine-coarse	SVV			
-5-						Light		gravel.	No MGP	'impact.			0.0	
٦		2		-	97%	Brown								0.0
1													0.9	
-													1.0	
-								-moder	ate nanhi	halene-like odor from			1.1	
-								8'-15'.	ate napin	maierie inte odor from			0.6	
10 —		3		-	63%								0.0	0.0
4								-dark b	rown-colo	ored bands from 10'-			1.1	
								13'.						0.4
													0.3	0-1
													7.1	
_]													3.2	
15 —		4		-	62%			Fine-co	arse SAN	ND, some fine-			71.3	
-								mediun	n gravel, t alene-like	trace silt. Strong			196	2.0
-								Парпа	aiorio iiko	. 0001.			108	
+									bands of t	ar staining at 17' and			63.3	
-								18'.					15.1	0-1
20 —		5		_	60%	Brown		_ctron~	nanhthal	ene-like odor.			50.3	1.0
		٠			5570	2.04411		-suong	παρπιπαι	ene-like udul.				1.0
													58.1	
													63.2	
1													81	
1										RAVEL, some coarse			103	
25 —		6		-	68%	Light Brown		sand. odor.	Moderate	naphthalene-like	GW		25.9	1.0
СОМ	IMENTS: Bo	oring adv	vanced	d with a 6	620 DT D	irect Pus	h Geoprobe ar	nd sample	ed with a 2	2" diameter macrocore.				
Borin	ng handclea	red from	า 0'-5' k	ogs.				•						
Bore	hole backfil	led with	cemer	nt-benton	ite grout to	o grade.								

TEST BORING LOG Corporation **BORING NO.: DGP-267** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** SP 16.7 Wet Fine SAND, trace fine gravel. No 0-1 MGP impact. 11.1 0.0 15.1 -fine silty sand lens at 29'. Gray 7.8 78% Brown 0.0 0.0 -35 97% 0.0 0.0 8 GW Fine-coarse GRAVEL, some-trace 83% 0.0 0.0 9 Light fine-coarse sand. No MGP impact. Brown Medium SAND, trace fine gravel. No SP Brown MGP impact. Light SP-GP Fine-medium SAND and GRAVEL. M Brown No MGP impact. Brown SP 10 97% 0.0 0.0 Fine SAND, trace fine gravel. No MGP impact. Fine-coarse SAND, trace fine gravel. SW Light No MGP impact. Brown -50 93% 11 Brown 0.0 0.0 Fine-coarse SAND. No MGP impact. -few medium gravel from 53'-54'. Light Fine SAND, trace fine gravel. No Brown -55 MGP impact. 97% 12 Brown 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' bgs. Borehole backfilled with cement-bentonite grout to grade.

	TEST BORING LOG BORING NO.: DGP-267											
			IGP PDI, Her	npstead, N	ew York			SHEET: 3 OF 3				
CLIENI	: National					SOIL		JOB NO. :11175065	00011	MGP		
DEPTH FEET	STRATA		MPLE BLOW	REC %	COLOR	CONSISTANCY		MATERIAL	USCS	COLOR	PID	MOISTURE
FEET		NO.	COUNT	RQD %		HARDNESS	DE	SCRIPTION		CODE		HCN
							/ Fine-coarse SAN	ID, trace medium				
-60 —							gravel. No MGP	impact.				
_							End of boring at	60' bgs.				
_												
-65 —												
_												
_												
-70 —												
_												
_												
_												
_												
-75 —												
_												
_												
_												
_												
-80 —												
_												
_												
_												
-85 —												
_												
_												
-90												
СОМ	MENTS: B	oring adv	anced with a	6620 DT D	irect Pus	h Geoprobe and	d sampled with a 2	" diameter macrocore.				
	g handclea		0'-5' bgs. cement-bento	nite grout t	o grade							
	Daoidh		Samoni Sonto	grout t	- g. ado.							
									BORING	NO.: D	GP-267	'

			T	П	2					TES	т во	RING	LOG	Ì
			L		5 co	rpora	tion			BORING NO. :	DGP-	268		
PROJE	CT/PROJE	CT LOC	ATIO	N: Natio	nal Grid N	IGP PDI,	Hempstead, I	New York		SHEET:	1 OF	3		
CLIENT	:			Natio	nal Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:		F + N						BORING LOCATION:	N/A			
GROUN	IDWATER:			~30' k	gs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	1 : N/A			
DATE	TIME	LEVI	EL	TYPE	TYPE		Macrocore			DATE STARTED:	1/6/09			
					DIA.		2-inch			DATE FINISHED:	1/7/09)		
					WT.					DRILLER:	M. Me	de		
					FALL					GEOLOGIST:	M. Da	scoli		
					* F	POCKET	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
		S	AMPLE	E	REC%		SOIL					MGP		MOISTURE
DEPTH FEET	STRATA	NO.		OW DUNT	RQD%	COLOR	CONSISTENCY ROCK HARDNESS			ATERIAL SCRIPTION	USCS	COLOR CODE	PID	HCN
														<u> </u>
0-	XXXI	1		-	100%	Gray	N/A	EII 1	3/4 Stone		FILL		0.0	Dry
-						Dark Brown				/			1.5	0.0 0-1
-								FILL. F some s from 0.	ilt. Faint	se sand and gravel, naphthalene-like odor			0.0	0.0
-						Light		irom o.	.5 -3 .					
-						Brown								
-5-		0			700/	0					CM		0.0	0.0
		2		-	72%	Orange- Brown				ND, some-little fine-	SW		0.0	0.0
								coarse	gravei. i	No MGP impact.				
1														
+														
-														
-10 —		3		-	78%								0.0	0.0
		3			70%								0.0	0.0
1													0.1	
+														
+														
-15 —		4		_	72%								0.0	0.0
		7			1270			-trace s	ilt from 1	5'-19'.			0.0	0.0
1													0.1	0-1
+						Light								
-20 —		5		-	68%	Brown							0.0	0.0
					0070	0							0.0	0.0
						Orange- Brown		-trace s	ilt.					
7														
+														
-25 —		6		-	73%								0.0	0.0
		-												
COM	MENTS: Bo	oring adv	vance	d with a 7	720 DT D	irect Pus	h Geoprobe an	d sample	d with a 2	2" diameter macrocore.				

Borehole backfilled with cement-bentonite grout to grade.

TEST BORING LOG Corporation **BORING NO.: DGP-268** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY MATERIAL STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** 97% Brown SM 0.0 Wet Fine SAND, little silt. No MGP impact. 0.0 72% 0.0 0.0 8 -little fine-medium gravel. 65% Orange-GW 9 0.0 0.0 Fine-coarse GRAVEL, few medium-coarse sand. No MGP impact. Brown SW Fine-coarse SAND, little fine-medium gravel. No MGP impact. 10 97% Brown 0.5 0.0 Fine-coarse SAND. Faint naphthalene-like odor. -some fine-medium gravel. -50 97% 11 Light 0.0 0.0 Fine-medium SAND, trace fine-Brown medium gravel. No MGP impact. -55 90% 12 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**

			UR	<u> </u>		4.			ST BC	RING	LOG	Ì		
	OT							BORING NO. : D						
	: Nation		MGP PDI, Her	npstead, N	lew York	<u> </u>		SHEET: 3 OF JOB NO. : 1117506						
	. National		AMPLE	DE0.0/		SOIL		JOB NO 1117500	3.00011	MGP		MOISTURE		
DEPTH FEET	STRATA	NO.	BLOW	REC %	COLOR	CONSISTANCY ROCK		MATERIAL SCRIPTION	USCS COLOR	COLOR	PID			
		140.	COUNT	RQD %		HARDNESS	DE	SCRIPTION		CODE		CODE		HCN
									_					
-60 —														
							End of boring at	60' bgs.						
-65 —														
-70 —														
_														
-75 —														
-80 —														
-85 —														
-90														
СОМ	MENTS: Bo	oring adv	vanced with a	7720 DT D	irect Pus	h Geoprobe and	d sampled with a 2	" diameter macrocore).					
	g handclea hole backfil		0'-5'. cement-bento	nite grout to	o grade.									
L 					-			[BODING	NO T	OD OCC	,		
									BORING	INU.: L	JGP-266)		

BORING CONTRACTOR:				TTD	2		4=			TES	т во	RING	LOG	à
Detect Strata Sample Sample Strata S										BORING NO. :	DGP-	269		
BORING CONTRACTOR: F + N BORING LOCATION: N/A	PROJE	CT/PROJE(CT LOC			MGP PDI,	Hempstead, I	New York	(SHEET:	1 OF	3		
Care Company	CLIENT	:		Na	tional Grid					JOB NO. :	11175	065.000	11	
DATE TIME LEVEL TYPE DIA. 2-inch DATE STARTED: 1/9/09	BORING	CONTRA	CTOR:	F ₄	- N					BORING LOCATION:	N/A			
DIAL 2-inch DATE FINISHED: 1/9/09	GROUN	DWATER:		~2	5' bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N:N/A			
WT. DRILLER: K. Kegel	DATE	TIME	LEVE	EL TYP	E TYPE		Macrocore			DATE STARTED:	1/9/09)		
FALL POCKET PENETROMETER READING REVIEWED BY: K. Connare					DIA.		2-inch			DATE FINISHED:				
POCKET PENETROMETER READING REVIEWED BY: K. Connare					WT.					DRILLER:				
DEPTH FEET STRATA NO. BLOW COUNT ROD% COLOR CONSITENCY ROCK HARDNESS MATERIAL DESCRIPTION USCS CODE PID NO. BLOW ROCK HARDNESS MATERIAL DESCRIPTION USCS CODE PID NO. BLOW ROCK HARDNESS MATERIAL DESCRIPTION USCS CODE PID NO. Dark Brown NA FILL Loamy fine sand, trace gravel. No MGP impact. 5					FALL					GEOLOGIST:				
STRATA NO. BLOW COUNT ROD* ROD* ROD* ROD* ROD* ROD* ROD* ROD*					*	POCKET F	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare		
FEET STAATA NO. BLOW COUNT ROD* COLOR BOW HARDNESS DESCRIPTION USCS COLOR PID FID FOR CODE TO FID FOR CODE TO FID FOR CODE TO FID FOR CODE TO FID FID FOR CODE TO FID FID FID FID FID FOR CODE TO FID FID FID FID FID FID FID FID FID FID	DEDTU		SA	MPLE	REC%				M	ATEDIAL		MGP		MOISTURI
Tine-coarse SAND, some fine-coarse SW SW SW SW SW SW SW SW SW SW SW SW SW		STRATA	NO.		RQD%	COLOR	ROCK				uscs		PID	HCN
Tine-coarse SAND, some fine-coarse SW SW SW SW SW SW SW SW SW SW SW SW SW		•	<u>'</u>		•			•			•	•		
Brown Fine-coarse SAND, some fine-coarse gravel. No MGP impact. Orange Brown Light Brown 15 - 4 - 68% Fine-coarse GRAVEL, some coarse sand. No MGP impact. Fine-coarse SAND, trace-some fine-coarse gravel, trace silt. No MGP impact. Fine-coarse SAND, trace-some fine-coarse gravel, trace silt. No MGP impact. Fine-coarse SAND, some fine gravel, trace silt. No MGP impact. Fine-coarse SAND, some fine gravel, trace silt. No MGP impact. Fine-coarse SAND, some fine gravel, trace silt. No MGP impact. Fine-coarse SAND, some fine gravel, trace silt. No MGP impact.	0		1	-	100%		N/A				FILL		0.0	Dry 0.0
Brown Fine-coarse SAND, some fine-coarse gravel. No MGP impact. 0.0														
Fine-coarse GRAVEL, some coarse sand. No MGP impact. Fine-coarse SAND, trace-some fine-coarse gravel, trace silt. No MGP impact. Fine-coarse SAND, some fine gravel, trace silt. No MGP impact. Fine-coarse SAND, some fine gravel, trace silt. No MGP impact. Fine-coarse SAND, some fine gravel, trace silt. No MGP impact. Fine-coarse SAND, some fine gravel, trace silt. No MGP impact. Fine-coarse SAND, trace fine gravel. No SP	-5 —		2	-	63%						SW		0.0	0.0
Fine-coarse GRAVEL, some coarse sand. No MGP impact. 4 - 68% Fine-coarse SAND, trace-some fine-coarse gravel, trace silt. No MGP impact. Fine-coarse SAND, some fine gravel, trace silt. No MGP impact. Fine-coarse SAND, some fine gravel, trace silt. No MGP impact. Fine-coarse SAND, some fine gravel, trace silt. No MGP impact. Fine-coarse SAND, some fine gravel, trace silt. No MGP impact.	- - -													
Orange-Brown Light Brown 4	10 —		3	-	72%	-							0.0	0.0
Fine-coarse SAND, trace-some fine-coarse gravel, trace silt. No MGP impact. 5 - 70% Fine-coarse SAND, some fine gravel, trace silt. No MGP impact. Fine-coarse SAND, some fine gravel, trace silt. No MGP impact.						Orange-					GW	-		
coarse gravel, trace silt. No MGP impact. 20 5 70% Fine-coarse SAND, some fine gravel, trace silt. No MGP impact. Fine-coarse SAND, trace fine gravel, trace silt. No MGP impact.	-					Brown		Fine-co	narse SAN	JD_trace-some fine-		-		
20 — 5 — 70% Fine-coarse SAND, some fine gravel, trace silt. No MGP impact. Fine SAND, trace fine gravel. No SP	+							coarse	gravel, tr					
Fine-coarse SAND, some fine gravel, trace silt. No MGP impact. Fine SAND, trace fine gravel. No	15 — - -		4	-	68%	-		ппраст.					0.0	0.0
Fine-coarse SAND, some fine gravel, trace silt. No MGP impact. Fine SAND, trace fine gravel. No	-													
	20 —		5	-	70%	_		Fine-co	oarse SAN ilt. No MO	ND, some fine gravel, SP impact.			0.0	0.0
<mark></mark>	-									e fine gravel. No	SP			
25 6 - 62% SW 0.0	25 <u> </u>		6	-	62%			Fine-m	edium SA	ND. little fine-coarse	SW]	0.0	Wet 0.0

TEST BORING LOG Corporation **BORING NO.: DGP-269** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY MATERIAL STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** gravel. No MGP impact. -30 78% Brown 0.0 0.0 SM Fine SAND, trace silt. No MGP impact. Fine SAND. No MGP impact. SP 97% 0.0 0.0 8 -some medium-coarse gravel from 37'-37.5'. SM Fine SAND, trace silt. No MGP impact. 97% Orange-GW 0.0 9 0.0 Fine-coarse GRAVEL, some medium-Brown coarse sand, trace cobbles. Faint naphthalene-like odor. SW 10 97% Light 0.0 0.0 Fine-medium SAND, little fine-medium gravel. No MPG impact. Brown -50 97% 11 0.0 0.0 -55 N/A 12 0.0 0.0 Fine-coarse SAND, trace fine-medium gravel. No MGP impact. 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**

			UR	C .		4.			ST BC	RING	LOG	
	OT							BORING NO. : D				
			/IGP PDI, Her	mpstead, N	lew York			SHEET: 3 OF JOB NO. : 1117506				
	: National		MDI E			SOIL		JOB NO. : 1117506	5.00011	MGP		MOISTURE
DEPTH FEET	STRATA	NO.	MPLE BLOW	REC %	COLOR	CONSISTANCY ROCK		MATERIAL ESCRIPTION	uscs	COLOR	PID	HCN
			COUNT			HARDNESS						
-60 — -65 — -70 — -75 — -			COUNT			NARUNESS	End of boring at	60' bgs.				
-80												
Borin	g handclea	red from	0'-5'.			n Geoprobe and	u sampled with a 2	" diameter macrocore				
Bore	hole backfil	led with o	cement-bento	nite grout to	o grade.							
									BORING	NO.: E	GP-269)

			ID	S co		4=			TES	т во	RING	LOG	i
									BORING NO. :	DGP-:	270		
PROJE	CT/PROJE	CT LOCA			MGP PDI,	Hempstead, I	New York	(SHEET:	1 OF	2		
CLIENT	:		Nat	ional Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:	F+	N					BORING LOCATION:	On sit	e		
GROUN	IDWATER:		~26	' bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	1 : N/A			
DATE	TIME	LEVE	L TYPE	TYPE	:	Macrocore			DATE STARTED:	1/9/09			
				DIA.		2-inch			DATE FINISHED:	1/9/09			
				WT.					DRILLER:	K. Ke			
				FALL					GEOLOGIST:	S. Ra			
				*	POCKET I	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare		
DEPTH		SA	MPLE	REC%		SOIL		м	ATERIAL		MGP		MOISTURE
FEET	STRATA	NO.	BLOW COUNT	RQD%	COLOR	CONSISTENCY ROCK HARDNESS	-		SCRIPTION	USCS	COLOR	PID	HCN
0-		1	-	100%	Dark Brown	Loose			um sand, some fine- ace tree roots.	FILL		0.0	Dry 0.0
-					Light Brown	Stiff	+						
-5-													
		2	-	93%	Dark Brown	Loose	6'.		ne-like odor from 5'-	SM		0.0	
-					Light Brown		Fine S/	AND, som	D. No MGP impact. ne fine-coarse gravel.	SP SW			
-10 —					Brown		\	P impact.	ND. No MGP impact.				
-		3	-	70%	Light Brown							0.0	0.0
		4	-	58%	-				ND, some fine- No MGP impact.			0.0	Moist 0.0
- -20 — -		5	-	60%	Brown	Medium Dense						0.0	0.0
						Loose			ND, some fine gravel.				
				60%]	Medium						0.0	0.0

TEST BORING LOG Corporation **BORING NO.:** DGP-270 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Dark Loose Wet Brown -slight NAPL sheen on water from 30'-83% Gray-0.0 0.0 Brown Light Fine-medium SAND, some fine-Brown medium gravel. Faint naphthalenelike odor. Fine SILTY SAND, some fine gravel. Faint naphthalene-like odor. 100% SW 0.0 0.0 Fine-medium SAND. No MGP impact. 97% Medium 0.0 Moist 9 Dense 0.0 Loose SW-GW Fine-coarse GRAVELLY SAND. No MGP impact. End of boring at 45' bgs. -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. **BORING NO.: DGP-270**

			T	TR	S c.		.41					RING	LOG	i
										BORING NO. :	DGP-			
		CT LOC	CATIO			IGP PDI,	Hempstead, I	New York	(SHEET:	1 OF			
CLIENT					onal Grid			JOB NO. :		065.000	11			
	G CONTRA			F + N				BORING LOCATION:		e				
GROUN	IDWATER:			~27'	-	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION				
DATE	TIME	LEV	EL	TYPE	TYPE		Macrocore			DATE STARTED:	1/12/0			
					DIA.		2-inch			DATE FINISHED:	1/12/0			
					WT.					DRILLER:	K. Ke	-		
					FALL					GEOLOGIST:		shman		
					* 1	IG .	REVIEWED BY:	K. Co	nnare					
DEPTH		s	AMPL	.E	REC%	М	ATERIAL		MGP		MOISTURE			
FEET	STRATA	NO.		LOW DUNT	RQD%		SCRIPTION	USCS	COLOR	PID	HCN			
														l
0-	KXXX	1		-	100%	Black	Loose	E11. F		um and and arrest	FILL		0.2	Moist
4								Black s	tained, ta	um sand and gravel. rry, slight			0.1	0.0
								naphth	alene-like	odor.			0.0	
													0.0	
						Brown				um sand and gravel.				
1								No MG	P impact.					
-5		2		-	83%			Fine-co	arse SAN	ND, some fine-	SW			0.0
+								mediun	n gravel.	Faint naphthalene-			0.8	
+									staining a	nd light NAPL coating			0.3	
4								from 6	'-7'.				0.0	
-								-no MG	iP impact	s from 7'-10'.			0.0	
10 —		3		-	68%	Dark		 					0.0	Dry
		Ö			0070	Brown			arse SAN No MGF	ND, trace fine-medium impact.			0.0	D.,y
								giaion						
1														
1														
15 —		4		-	57%	Brown-							0.0	
4						Orange								0.0
1														
20 —		5		-	60%	Dark							0.0	0.0
+						Brown- Light								
4						Brown								
						12.11								
						Light Brown-								
7						Orange								
25 —		6		-	58%			Eine -	oros CAN	ID with intervals of	SP		0.0	Moist
I			l					rine-co	arse SAN	ND, with intervals of	l			0.0
														1
COM	MENTS: B	oring ad	vance	ed with a	6620 DT D	irect Pus	h Geoprobe an	d sample	d with a 2	2" diameter macrocore fr	om 5'-45	bgs.		

Boring handcleared from 0'-5' bgs.

Borehole backfilled with cement-bentonite grout to grade.

TEST BORING LOG Corporation **BORING NO.: DGP-271** PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** fine sand. No MGP impact. Wet Coarse SAND and fine GRAVEL. No MGP impact. SP-GP Orange Light SW Fine-coarse SAND, some-little fine-Brown medium gravel. No MGP impact. 97% 0.0 0.0 Fine-coarse SAND and fine GRAVEL. 30 Black staining, heavy NAPL coating and few saturated lenses, sheens, SW-GW Black 38 blebs, and moderate naphthalene-like 0.0 SM Light Fine-medium SAND, trace-no silt. No Brown 80% 0.0 8 Loose-MGP impact. Medium Dense 87% 0.0 0.0 9 Fine-coarse SAND and fine-medium GRAVEL. No MGP impact. SW-GW 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. **BORING NO.: DGP-271**

			TTD	C					TES	T BO	RING	LOG	i
			OL	LS c.	rpora	ntion			BORING NO. :	DGP-	272		
PROJE	CT/PROJE	CT LOC	ATION: Na	tional Grid I	MGP PDI,	Hempstead, I	New York	(SHEET:	1 OF	2		
CLIENT	Γ:		Na	tional Grid					JOB NO. :	11175	065.000	11	
BORIN	G CONTRA	CTOR:	F+	· N					BORING LOCATION:	Step	out from I	OGP-23	4
GROUN	NDWATER:		~20	0' bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N/A			
DATE	TIME	LEVE	L TYP	E TYPE	:	Macrocore			DATE STARTED:	1/14/0	9		
				DIA.		2-inch			DATE FINISHED:	1/14/0	9		
				WT.					DRILLER:	K. Ke	gel		
				FALL					GEOLOGIST:	M. Da	scoli		
				*	POCKET F	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare		
		SA	MPLE	REC%		SOIL			IATERIAL		MGP		MOISTURE
DEPTH FEET	STRATA	NO.	BLOW	RQD%	COLOR	CONSISTENCY ROCK			IATERIAL SCRIPTION	USCS	COLOR	PID	HCN
			COUNT	1100 70		HARDNESS					CODE		TICK
0	,	1	-	100%	Dark Brown	N/A	TOPSO	OIL. (Des	cription from DGP-	TOPSOIL		0.0	Dry 0.0
1					Brown		234)			FILL			0.0
-									ND, some fine-				
-							MGP ir	npact.	trace tree roots. No				
4							(Descri	iption fron	n DGP-234)				
-5 —		2		97%						GW		0.0	0.0
4		2	-	9776					AVEL, some fine- ce silt. No MGP	GW		0.0	0.0
							impact.		cc siit. No Mai				
-													
-10 —		3	-	70%	-							0.0	0.0
4										SW			
-							trace si	oarse SAN ilt. No M	ND, some fine gravel, GP impact.				
_													
					_								
15					Brown		L						
-15 —		4	-	68%	Dark Brown				AND, little fine-medium			0.0	0.0
1					Brown		gravel	. No MGI	P impact.				
1					BIOWII								
+													
-													
-20 —		5		70%	-				AND Puls Consequent			0.0	Wet
				7070					AND, little fine-medium aphthalene-like odor			0.0	0.0
							and sta	aining.					
									AND. Faint	SP			
1					Dark Brown		-trace f	alene-like ine grave	l.				
1							-moder	ate naphi	thalene-like odor, coating and dark				
-25 —		6	-	97%	Light				rom 24'-25'.	SM		3.3	0.0
1				1	Brown-								
													7
	IMENTS: Being handclea			a 7720 DT D	Direct Pus	h Geoprobe ar	nd sample	ed with a 2	2" diameter macrocore.				
	ig manucied		J J.										

Borehole backfilled with cement-bentonite grout to grade.

TEST BORING LOG Corporation **BORING NO.:** DGP-272 PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Gray Fine SAND, trace silt. Moderate naphthalene-like odor, sheen, blebs. 17% Gray SP 0.0 0.0 Fine SAND. Faint naphthalene-like odor. -35 85% SW Orange-8 0.0 0.0 Fine-coarse SAND, few-some fine-Brown coarse gravel. Faint naphthalene-like odor. 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. Boring handcleared from 0'-5'. Borehole backfilled with cement-bentonite grout to grade. **BORING NO.: DGP-272**

TEST BORING LOG URS Corporation **BORING NO.: DGP-273** PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York 1 OF 2 SHEET: **National Grid** CLIENT: JOB NO.: 11175065.00011 F + N**BORING LOCATION:** Inside Reg. Station **BORING CONTRACTOR: GROUNDWATER:** ~25' bgs CAS. SAMPLER CORE TUBE **GROUND ELEVATION: N/A DATE STARTED:** 1/8/09 TIME DATE LEVEL **TYPE TYPE** Macrocore **DATE FINISHED:** 1/13/09 DIA. 2-inch DRILLER: K. Kegel WT. M. Dascoli **GEOLOGIST: FALL** K. Connare * POCKET PENETROMETER READING **REVIEWED BY:** SOIL SAMPLE MGP REC% MOISTURE **MATERIAL DEPTH** CONSISTENCY COLOR PID **STRATA** COLOR USCS **BLOW** NO. DESCRIPTION **FEET ROCK** RQD% **HCN** CODE COUNT **HARDNESS** 100% N/A FILL Dry Dark 0.0 FILL. 3/4 stone with liner underneath Brown 0.0 at surface. Fine-medium sand, some 0.5 silt, clay, and fine-medium gravel, trace cobbles. No MGP impact. 0.9 0-1 2.3 -black layer with moderate 100% 0.9 0.0 naphthalene-like odor from 4.5'-5'. 1.8 0-1 SW Orange-2.6 Fine-coarse SAND, some fine-Brown medium gravel, trace silt, trace 1.2 0.0 cobble. No MGP impact. 2.1 -10 0.0 0.0 0.4 0.9 1 0 1.1 -15 60% 0.0 0.0 SP Light Fine-medium SAND. No MGP impact. Gray -20 62% Orange-SW 0.0 Fine-coarse SAND, trace fine-medium Brown gravel. No MGP impact. -25 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.

TEST BORING LOG URS corporation BORING NO.: DGP-273 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP MOISTURE SAMPLE REC % DEPTH CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID FEET **BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** 78% Orange-0.0 0.0 Brown 0% 0.0 8 0.0 End of boring at 40' bgs. 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**

			T	TD	2		4.			TES	т во	RING	LOG	i
					5 co	rpora	ition			BORING NO. :	DGP-	274		
PROJE	CT/PROJE	CT LOC	ATIO	N: Natio	nal Grid N	IGP PDI,	Hempstead, I	New York	(SHEET:	1 OF	2		
CLIENT	Γ:			Natio	nal Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:		F + N						BORING LOCATION:	Inside	Reg. Sta	ation	
GROUN	NDWATER:			~23' k	gs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N : N/A			
DATE	TIME	LEVI	EL	TYPE	TYPE		Macrocore			DATE STARTED:	1/8/09			
					DIA.		2-inch			DATE FINISHED:	1/13/0	9		
					WT.					DRILLER:	K. Ke	gel		
					FALL					GEOLOGIST:	M. Da	scoli		
					* F	POCKET F	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare		
		S	AMPL	E	REC%		SOIL		_			MGP		MOISTURE
DEPTH FEET	STRATA	NO.	ВІ	LOW	DOD9/	COLOR	CONSISTENCY ROCK			ATERIAL SCRIPTION	USCS	COLOR	PID	
		110.	CC	DUNT	RQD%		HARDNESS					CODE		HCN
		•												
0-		1		-	100%	Black	N/A	EII 3	2/4 stone	over geotextile fabric	FILL		3.2	Dry
-								at surfa	ce. Fine	-coarse sand, some			3.1	0-1
4	$ \rangle\rangle\rangle\rangle$							silt and	clay, sor	ne black coal e sheet metal and				
								metal p	arts, few	roots, trace organic				
								soil. N	o MGP in ecaving c	npact. dor from 3'-5'.				
1									, ,					1.0
-5—		2		-	100%	Dark								
+						Brown							1.0	0-1
4						Brown								
						DIOWII					0144			
										ND, trace fine-medium	SW		1.5	0-2
]								gravei	. No MGI	mpact.			2.5	
-10 —		3		-	58%	Light Brown		-trace s	silt				0.0	0.0
+						DIOWII								
+														
4						Brown								
45														
-15 —		4		-	58%								0.0	0.0
1														
+														
4														
-20 —														
-20		5		-	55%	Orange- Brown							0.0	0.0
1														
+														
+	••••					Dark		Fine-m	edium GF	RAVEL, few fine- ace silt. No MGP	GW			Wet
4						Brown		impact.		ace Siii. NU WICH			0.4	
-25 —						Light		Fine-co	arse SAN	ND, trace fine-medium	SW			
		6		-	70%	Brown			. No MGI				0.0	0.0
,		'		'		. '		•			-	. '		•
COM	IMENITS: Ro	rina adı	vance	ed with a 7	ח דם 720	irect Puel	n Geonrobe an	nd sample	d with a	2" diameter macrocore.				
	ng handclea						. Gooprobe an	.s campic	WILLI (L. 2	- siamotor maorocore.				
Bore	hole backfil	led with	ceme	ent-bentor	ite grout to	grade.								

TEST BORING LOG Corporation **BORING NO.: DGP-274** PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** 0.4 Brown Medium-coarse SAND. Heavy dark GP brown staining, no odor. Gray 1.0 0.9 Fine GRAVEL, some coarse sand. SW Brown 1.1 Light staining, no odor. Orange-SM 0.1 0.0 Brown Fine-medium SAND, trace fine gravel, 97% SW 0.0 0.0 some silt. Faint naphthalene-like odor, heavy staining. Fine SAND, little silt. No MGP impact. Fine-coarse SAND, little-trace finecoarse gravel, trace silt. No MGP impact. -35 97% 0.0 0.0 8 Fine-coarse SAND. No MGP impact. -trace fine-medium gravel from 38'-39'. 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. Boring handcleared from 0'-10'. Borehole backfilled with cement-bentonite grout to grade. **BORING NO.: DGP-274**

Loose-Medium Dense 5 - 60% Light Brown Dark Brown Light Brown				TI	DC	•					TES	т во	RING	LOG	Ì
Column				U	1/2	Co	rpora	tion			BORING NO. :	DGP-	275		
BORING CONTRACTOR: F + N	PROJE	CT/PROJE	CT LOC	ATION:	Nation	al Grid M	GP PDI,	Hempstead, N	lew York		SHEET:	1 OF	2		
CASE TIME LEVEL TYPE TYPE Mercroore DATE FINISHED: 1/18/09	CLIENT	:			Nation	al Grid					JOB NO. :	11175	065.000	11	
DATE TIME LEVEL TYPE DIA. 2 sinch DATE STARTED: 1/8/09	BORING	G CONTRA	CTOR:		F + N						BORING LOCATION:	Interse	ection of	Wydler	& Wendell
DIA 2-inch DATE FINISHED: 1/18/09	GROUN	IDWATER:			~20' bg	gs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	1 : N/A			
WT. GRILLER: K. Kegel FALL GEOLOGIST: M. Descoil FALL SOLID GEOLOGIST: M. Descoil FALL SOLID GEOLOGIST: M. Descoil FALL SOLID GEOLOGIST: M. Descoil FALL GEOLOGIST: M. Descoil FALL GEOLOGIST: M. Descoil FALL GEOLOGIST: M. Descoil FALL GEOLOGIST: M. Descoil GEOLOGIST: M. Desc	DATE	TIME	LEVE	EL	TYPE	TYPE		Macrocore			DATE STARTED:	1/8/09			
FALL **POCKET PENETROMETER READING REVIEWED BY: K. COMPARISON COUNT ROSSITURE STRATA NO. BLOW COUNT ROSSITENCY COLOR CONSISTENCY COLOR CONSISTENCY COLOR CONSISTENCY COLOR C						DIA.		2-inch			DATE FINISHED:	1/16/0	9		
SAMPLE REC% SOIL ROSSITENCY ROCK ROSSITENCY ROCK ROSSITENCY ROCK R						WT.					DRILLER:	K. Ke	gel		
DEPTH STRATA No. BLOW ROD% COURT ROD% COURT ROD% ROD						FALL					GEOLOGIST:	M. Da	scoli		
DEPTH FEET STRATA NO. BLOW NO. BLOW RODW. RO						* P	OCKET F	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
STRATA NO. SLOW ROD% COUNT ROD% COUNT ROD% COUNT ROD% ROCK RANDNESS MACK DESCRIPTION USCS COLOR PID HCN			SA	AMPLE		REC%		SOIL					MGP		MOISTURE
1		STRATA	NO			DOD0/	COLOR	CONSISTENCY				USCS		PID	
1				COU	NT	RQD%							CODE		HCN
1															
15	0		1	-		100%	Brown	N/A	FILL. F	ine-coars	se sand, some fine-	FILL		0.5	
-5	-								coarse	gravel, tr				6.8	0-1
-5-	+								impacis	i.				1.0	0.0
-5-	-													0.9	
10											-1.41				
- trace glass at 6'. Fine-coarse SAND, some fine-coarse gravel, trace silt. No MGP impact. SW 0.0 0.0 0.5	-5-								-trace p	lant roots	s at 4°. 5'.			0.8	
10	-3-		2	-		100%								0.6	0.0
10	1								Fine-co	arse SAN	ID, some fine-coarse	SW			
10 — 3 - 60% Crange-Brown Loose Brown Dense	+								gravel,	trace silt.	No MGP impact.			0.0	
10	+													0.5	
10	4													1.0	
15	-10 —					000/	0								0.0
20 - 5 - 60% Light Brown			3	-		60%		Loose						0.0	0.0
20 - 5 - 60% Light Brown															
20 - 5 - 60% Light Brown	1														
20 - 5 - 60% Light Brown	+														
20 - 5 - 60% Light Brown	-														
Loose-Medium Dense 5 - 60% Light Brown Dark Brown Light Brown Light Brown Light Brown A Brown Dark Brown Dark Brown Dark Brown Dark Brown Dark Brown Dark Brown Dark Brown Dark Brown Dark Brown Dark Brown Dark Brown Dark Brown Dark Brown O.0 Wet O.0 O.0 O.0	-15 —		4			60%								0.0	0.0
20 - 5 - 60% Light Brown Dark Brown Light Brown Light Brown Light Brown Arace silt - trace silt			.			0070		Lance						0.0	0.0
20 - 5 - 60% Light Brown								Medium							
S - 6 - 77% Brown S - 6 - 77% Brown Single N/A Fine-coarse SAND, little fine-medium gravel. Faint naphthalene-like odor. - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -								Dense							
S - 6 - 77% Brown S - 6 - 77% Brown Single N/A Fine-coarse SAND, little fine-medium gravel. Faint naphthalene-like odor. - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1														
S - 6 - 77% Brown S - 6 - 77% Brown Single N/A Fine-coarse SAND, little fine-medium gravel. Faint naphthalene-like odor. - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	+														
gravel. Faint naphthalene-like odor. - trace silt Light Brown 6 - 77% Brown 0.0 0.0	-20 —		5	-		60%		N/A	 Eino oo		ID little fine medium			0.0	Wet
25 — Brown Brown	-						Brown								0.0
25 — Brown Brown	4					-	Dark		-trace s	ilt					
25 - Bröwn 0.0 0.0															
25 — 6 - 77% Brown 0.0 0.0						-									
1 6 - 7/% Brown 0.0 0.0	_ 7														
COMMENTS: Boring advanced with a 7720 DT Direct Push Cooprehe and campled with a 2" diameter macrosco	-25 —		6	-		77%	Brown							0.0	0.0
COMMENTS: Boring advanced with a 7720 DT Direct Push Cooprehe and campled with a 2" diameter magracers	I	• • • • • • • •			I		I		l						I
	0011	MENTO	ring od	vanac d	with a 7	720 DT D:	root Duct	Goonrobe si	d compl-	d with a C	" diameter macrocars				1

Borehole backfilled with cement-bentonite grout to grade.

TEST BORING LOG Corporation **BORING NO.: DGP-275** PROJECT: National Grid MGP PDI, Hempstead, New York 2 SHEET: 2 OF **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN CODE RQD % COUNT **HARDNESS** SM Fine SAND, trace silt. Faint naphthalene-like odor from 26'-30'. 97% -no MGP impact from 30'-35'. 0.0 0.0 Fine-coarse SAND. No MGP impact noted. 85% SW 8 7.3 2.0 Dark GW Fine-coarse GRAVEL, trace-little Gray coarse sand, trace silt. Strong naphthalene-like odor from 37.25'-40'. Orange-Brown 13.7 58% SW N/A Brown N/A Fine-medium SAND, some fine gravel. Strong naphthalene-like odor. Fine-coarse GRAVEL, some mediumcoarse sand. Strong naphthalene-like GW odor. SW Fine-medium SAND, trace fine gravel. Strong naphthalene-like odor. 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. **BORING NO.: DGP-275**

			TΠ	D C			ition			IES	I BO	RING	LOG	İ
										BORING NO. :	DGP-	276		
PROJE	CT/PROJE	CT LOC				GP PDI,	Hempstead, I	New York	•	SHEET:	1 OF	2		
CLIENT	Γ:		1	National	Grid				JOB NO. :	11175	065.000	11		
BORIN	G CONTRA	CTOR:		= + N					BORING LOCATION:		side of M	IOB		
GROUN	NDWATER:			~24' bgs		CAS.	TUBE	GROUND ELEVATION	N:N/A					
DATE	TIME	LEVE	EL T	YPE	TYPE			DATE STARTED:	1/18/0					
					DIA.		2-inch			DATE FINISHED:	1/18/0			
					WT.					DRILLER:	M. Me			
					FALL					GEOLOGIST:	M. Da			
					* P	OCKET I	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare		
DEPTH		S	AMPLE	RI	EC%		SOIL		м	IATERIAL		MGP		MOISTURE
FEET	STRATA	NO.	BLOW	R	QD%	COLOR	CONSISTENCY ROCK HARDNESS			SCRIPTION	USCS	COLOR	PID	HCN
		•												
0		1	-	10	00%	Brown	N/A	mediun		se sand, some fine- trace cobbles and silt.	FILL		0.0	Dry 0.0
						Light Brown								
-5 — _ _ _		2	-	3	37%	Brown			oarse SAN No MGP	ND, trace silt and fine impact.	SW		0.0	0.0
-10 —		3		5	50%				CLAY, litt GP impac	le fine-medium gravel. \t.	CL		0.0	0.0
-						Dark Brown Brown			gravel, tr	NND, some fine- ace silt. No MGP	SW GW			
-									sand, tra	RAVEL, some fine- ce silt. No MGP				
-15 —		4	-	7	72%					ND, trace silt and fine- No MGP impact.	SW		0.0	0.0
					_	Dark Brown				ew fine-coarse sand, GP impact.	SW			
-20 —									n gravel, t	ND, some fine- trace silt. No MGP				
-		5	-	5	58%	Brown Dark Brown		Fine S/ impact.		e silt. No MGP	SP SW		0.0	0.0
-					-	Red- Brown Light		Fine-m No Mo	edium SA GP impac	AND, trace fine gravel.	GW SW			
-25 —					_	Brown Brown		sand a	nd silt. N	trace medium-coarse o MGP impact.				Wet
		6	-	6	67%					ND, some fine gravel, MGP impact.			0.0	0.0
				ul 055	0 DT 5:		h O '	.1	.a99	Nu d'a card		N. I.		
Borir	IMENTS: Bo ng handclea hole backfil	red from	n 0'-5' bgs.	-			n Geoprobe an	ia sample	ed with a 2	2" diameter macrocore fr	om 5'-4(o bgs.		

TEST BORING LOG URS Corporation BORING NO.: DGP-276 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP MOISTURE SAMPLE REC % DEPTH CONSISTANCY **MATERIAL** COLOR STRATA COLOR USCS PID FEET **BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Light Brown SM Fine SAND, trace silt. No MGP impact. 97% 0.0 0.0 97% 0.0 8 0.0 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 from 5'-40' bgs. Boring handcleared from 0'-5' bgs. Borehole backfilled with cement-bentonite grout to grade. **BORING NO.: DGP-276**

PROJE						-4!							
PROJE				LS c.					BORING NO. :	DGP-	277		
	CT/PROJE(CT LOC			MGP PDI,	Hempstead, I	New York	(SHEET:	1 OF	2		
CLIENT	<u>'</u> :		Na	tional Grid					JOB NO. :	11175	065.000	11	
BORING	CONTRA	CTOR:	F.	+ N					BORING LOCATION:	West	side of M	IOB	
GROUN	IDWATER:		~2	4' bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATIO	N: N/A			
DATE	TIME	LEVI	EL TYF	PE TYPE	:	Macrocore			DATE STARTED:	1/17/0	9		
				DIA.		2-inch			DATE FINISHED:	1/17/0	9		
				WT.					DRILLER:	M. Me	ade		
				FALL					GEOLOGIST:	M. Da	scoli		
				*	POCKET	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare		
		S	AMPLE	REC%		SOIL					MGP		MOISTURE
DEPTH FEET	STRATA	NO.	BLOW COUNT	RQD%	COLOR	CONSISTENCY ROCK HARDNESS	-		ATERIAL SCRIPTION	uscs	COLOR CODE	PID	HCN
0-		1	-	100%	Brown	N/A		gravel, tr	se sand, some fine- ace silt. No MGP	FILL		0.0	Dry 0.0
-5									SAND, some silt and el. No MGP impact.				
-		2	-	40%	Light				NDY GRAVEL. No	GW		1.5	0-1
-					Brown Dark Brown Brown			<u>'</u>	sand, trace fine impact.	ML GW			
-10 — - -		3	-	60%				sand, tra	RAVEL, some fine- ce silt. No MGP			0.0	0.0
-					Light Brown			arse SAN SP impact	ND and fine GRAVEL.	SP-GP			
15 —		4	-	65%	Dark Brown			sand, tra	AVEL, some medium- ce silt. No MGP	SW		1.5	0.0
-					Orange-			oarse SAN No MGP	ND, trace silt and fine impact.	SW-GW			
-					Brown			arse SAN SP impact	ND and fine GRAVEL.	SW			
20 —		5	-	67%	Dark Brown		Fine-co and silt	arse SAN . No MG	ND, trace fine gravel P impact.	SM		3.0	0.0
-					Light Brown		Fine Si impact		ne silt. No MGP	SW			
								arse SAN No MGP	ND, trace fine-coarse impact.				Wet
25 —		6	-	73%	Orange- Tan			edium GF No MGP i	RAVEL, some coarse impact.	GW		0.0	0.0

TEST BORING LOG Corporation **BORING NO.: DGP-277** PROJECT: National Grid MGP PDI, Hempstead, New York 2 SHEET: 2 OF **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** SW Fine-coarse SAND. No MGP impact. Brown SM Fine SAND, trace silt. No MGP impact. Light Brown 97% Dark SP N/A N/A Fine SAND. Strong naphthalene-like Brown odor and heavy gray staining, NAPL blebs and sheen from 30'-31'. -sheen and strong naphthalene-like odor from 31'-35'. -35 SW 83% Light 0.0 0.0 8 Medium-coarse SAND, some fine Brown gravel. No MGP impact. GW Fine-coarse GRAVEL, trace coarse sand. No MGP impact. Gray SW Fine-coarse SAND, some mediumcoarse gravel. Slight naphthalene-like 97% 10.7 0.0 9 -strong naphthalene-like odor from 40'-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. **BORING NO.: DGP-277**

			IΠ	. 20					TES	T BO	RING	LOG	<u> </u>
			UN	S co	rpora	ation			BORING NO. :	DGP-2	278		
PROJE	CT/PROJE	CT LOC	ATION: Nat	tional Grid M	IGP PDI,	Hempstead, I	New York	«	SHEET:	1 OF	2		
CLIENT	Γ:		Nat	tional Grid					JOB NO. :	11175	065.000	11	
BORIN	G CONTRA	CTOR:	F+	N					BORING LOCATION:	South	side of N	ИОВ	
GROUN	NDWATER:		~24	1' bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N : N/A			
DATE	TIME	LEVI	EL TYPI	E TYPE		Macrocore			DATE STARTED:	1/17/0	9		
				DIA.		2-inch			DATE FINISHED:	1/17/0	9		
				WT.					DRILLER:	M. Me	ade		
				FALL					GEOLOGIST:	J. Har	shman		
				* F	POCKET	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Cor	nnare		
		S	AMPLE	REC%		SOIL			ATERIAL		MGP		MOISTURE
DEPTH FEET	STRATA	NO.	BLOW COUNT	RQD%	COLOR	CONSISTENCY ROCK HARDNESS			ATERIAL SCRIPTION	USCS	COLOR	PID	HCN
													I.
0		1	-	100%	Brown	Loose			se SAND, little fine- lo MGP impact.	FILL		0.0	Dry 0.0
4					Black-	Medium				SM			
-5— - -		2	-	68%	Gray Light Brown	Dense		ILTY SAN No MGP	D, little fine-medium impact.	GIVI		0.0	0.0
-10 —		3	-	83%	Brown	Loose- Medium Dense	Fine-co	oarse SAN n gravel.	ND, some fine- No MGP impact.	SW		0.0	0.0
- - - - - -		4	-	77%	Orange- Brown	Loose		 parse SAN No MGP	· ND, little fine-medium impact.			0.0	0.0
- - - - -		5	-	77%	Light Brown- Orange	Loose- Medium Dense	Fine-co mediur	 parse SAN n gravel.	ND, trace-little fine- No MGP impact.			0.0	0.0
1													Wet
25 —		6	-	93%	Light Brown	Medium Dense	Fine-m	edium SA	ND. NAPL sheen	SP		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. PID not working due to cold weather.

Borehole backfilled with cement-bentonite grout to grade.

TEST BORING LOG Corporation **BORING NO.: DGP-278** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN CODE RQD % COUNT **HARDNESS** noted Fine SILTY SAND. Heavy NAPL coating and black staining, NAPL saturated lenses, strong naphthalene-Black SM 30 1.0 like odor from 28'-29'. -naphthalene-like odor, staining and Gray-80 2.0 Tan moderate NAPL coating from 29'-30'. 80% 0.0 Light 0.0 Brown Fine SILTY SAND. Faint naphthalene-like odor from 30'-32'. -trace silty clay at 32'. No MGP impacts noted. SW-GW 97% N/A 0.0 Gray-Loose-Fine-coarse SAND and GRAVEL. Black Medium Naphthalene-like odor, slight black Dense 30 staining. N/A SW Light Loose 20 Fine-medium SAND, little fine-medium Brown gravel. Slight naphthalene-like odor. N/A 93% SP N/A Dark 9 Loose-Fine-coarse SAND. Faint Gray Medium naphthalene-like odor. Dense Gray SW-GW Fine-coarse SAND and GRAVEL. Slight naphthalene-like odor. N/A Fine-coarse SAND, trace fine-coarse Gray-SW gravel. Slight naphthalene-like odor. 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.

			TT	DC	•		45			TES	T BO	RING	LOG	i
			U	1/7	Col	rpora	tion			BORING NO. :	DGP-	279		
PROJE	CT/PROJE	CT LOC	ATION:	Nation	al Grid M	GP PDI,	Hempstead, I	New York		SHEET:	1 OF	2		
CLIENT	Γ:			Nation	al Grid					JOB NO. :	11175	065.000	11	
BORIN	G CONTRA	CTOR:		F + N						BORING LOCATION:	LIRR	ROW, SI	E of MO	В
GROUN	NDWATER:			~28' bg	gs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N:N/A			
DATE	TIME	LEVE	EL	TYPE	TYPE		Macrocore			DATE STARTED:	1/16/0	9		
					DIA.		2-inch			DATE FINISHED:	1/16/0	9		
					WT.					DRILLER:	M. Me	ade		
					FALL					GEOLOGIST:	J. Har	shman		
					* P	OCKET F	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
DEPTH	077474	SA	AMPLE		REC%	201.00	SOIL CONSISTENCY		М	ATERIAL		MGP COLOR	PID	MOISTURE
FEET	STRATA	NO.	COUN		RQD%	COLOR	ROCK HARDNESS		DES	SCRIPTION	USCS	CODE	PID	HCN
0-		1	-		100%	Dark Brown	Loose- Medium Dense	FILL. F little org MGP in	anic mat	sand, trace gravel, ter (plant roots). No	FILL		0.0	Dry 0.0
-5 — — — — — — — — — — — — — — — — — — —		2	-		62%			Fine-mo	edium SA	ND.	SP		0.0	0.0
-10		3	-		60%	Light Brown- Orange	Loose		arse SAN No MGP	ID, little fine-medium impact.	SW		0.0	0.0
-15 — - - -		4	-		70%	Orange- Brown			arse SAN No MGP	ID, little fine-medium impact.			0.0	0.0
-20 — - - -		5	-		70%					ID, little-some fine- No MGP impact.			0.0	0.0
-25 —		6	-		63%	Light Brown							0.0	Moist 0.0
COM	IMENTS: Bo	oring adv	vanced v	with a 66	620 DT Di	rect Pus	h Geoprobe an	d sample	d with a 2	" diameter macrocore.				

Boring handcleared from 0'-5'.

Borehole backfilled with cement-bentonite grout to grade.

TEST BORING LOG Corporation **BORING NO.: DGP-279** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Wet Fine-coarse SAND, trace-little fine gravel. Brown staining, slight NAPL Brown 2.0 coating, faint naphthalene-like odor. 80% Tan-SP 0.1 0.0 Fine-medium SAND. No MGP impact. Orange 0.0 Brown Medium SM Fine SILTY SAND. No MGP impact. Dense -trace fine-medium gravel from 35'-36. 93% 0.0 0.0 8 Tan-Loose-Light Gray Medium Dense 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 handcleared from 0'-5'. Borehole backfilled with cement-bentonite grout to grade. **BORING NO.: DGP-279**

			Ti	ФС	•		.=			TES	T BO	RING	LOG	i
			U		Col	rpora	ition			BORING NO.:	DGP-	280		
PROJE	CT/PROJE	CT LOC	ATION	l: Nation	al Grid M	GP PDI,	Hempstead, I	New York		SHEET:	1 OF	2		
CLIENT	Г:			Nation	al Grid					JOB NO. :	11175	065.000	11	
BORIN	G CONTRA	CTOR:		F+N						BORING LOCATION:	South	west side	of MOE	3
GROUN	NDWATER:			~23' bg	gs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N:N/A			
DATE	TIME	LEVE	EL	TYPE	TYPE		Macrocore			DATE STARTED:	1/17/0	9		
					DIA.		2-inch			DATE FINISHED:	1/17/0	9		
					WT.					DRILLER:	M. Me	ade		
					FALL					GEOLOGIST:	M. Da	scoli		
					* P	OCKET F	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
DEPTH	CTDATA	SA	AMPLE		REC%	COL OR	SOIL CONSISTENCY		М	ATERIAL	Hece	MGP COLOR	PID	MOISTURE
FEET	STRATA	NO.	COL		RQD%	COLOR	ROCK HARDNESS		DES	SCRIPTION	USCS	CODE	PID	HCN
0-		1	-		100%	Brown	N/A	coarse	gravel, so nts and c	se sand, some fine- ome silt, trace brick obbles. No MGP	FILL		0.0	Dry 0.0
-5 —		2	-		93%	Dark	Hard	gravel.	No MGP some fine	ND, little fine-medium impact.	SW		0.0	0.0
4	$\times\!\!\times\!\!\times\!\!\times$				-	Brown		<u> </u>						
-					_	Orange- Brown Dark	Very Hard N/A	Fine SA impact.		e silt. No MGP	SM			
-10 —		3	-		63%	Brown Brown		Fine-co	arse SAN	ND, intermittent layers o MGP impact.	SW-GW		0.0	0.0
-15 —					000/	Light Brown		Fine-mo gravel, MGP in	trace silt	ND, little fine-medium from 13'-15'. No	SW		1.5	
-		4	-		68%	Orange- Brown Dark Brown							0.0	0.0
- 20 — - -		5	-		65%	Orange- Brown							0.0	0.0 Wet
-														***************************************
-25 —		6	-		77%			Fine-co	arse SAN	ND. No MGP impact.	SP		0.0	0.0
COM	MENTS: Bo	oring adv	vanced	with a 66	620 DT Dir	rect Pus	h Geoprobe an	d sample	d with a 2	2" diameter macrocore.				

Boring handcleared from 0'-5'.

Borehole backfilled with cement-bentonite grout to grade.

TEST BORING LOG Corporation **BORING NO.: DGP-280** PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Brown-Fine SAND. Faint naphthalene-like Gray odor, black NAPL staining at 26'. -light NAPL coating from 29'-30', moderate naphthalene-like odor. 83% N/A N/A Tan-Fine SAND. Moderate naphthalene-Gray like odor. Coarse SAND and fine GRAVEL. -35 SP-GP 85% N/A N/A 8 Moderate naphthalene-like odor. GW Fine-coarse GRAVEL, trace coarse sand. Moderate naphthalene-like odor. Fine-medium SAND, trace finemedium gravel. Moderate SW naphthalene-like odor. 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 handcleared from 0'-5'. Borehole backfilled with cement-bentonite grout to grade. **BORING NO.: DGP-280**

			T	Т	2		4=			TES	T BO	RING	LOG	ì
					S c _o					BORING NO. :	DGP-	281		
PROJE	CT/PROJE	CT LOC	OITA	N: Natio	nal Grid N	MGP PDI,	Hempstead, I	New York	(SHEET:	1 OF	2		
CLIENT	Г:			Natio	nal Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:		F + N						BORING LOCATION:	Step o	out from I	DGP-25	1 & DGP-219
GROUN	NDWATER:			~25'	bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATIO	N:N/A			
DATE	TIME	LEV	EL	TYPE	TYPE		Macrocore			DATE STARTED:	1/26/0	9		
					DIA.		2-inch			DATE FINISHED:	1/26/0	9		
					WT.					DRILLER:	M. Me	de		
					FALL					GEOLOGIST:	M. Da	scoli		
					*	POCKET I	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare		
		S	AMPL	E	REC%		SOIL			L		MGP		MOISTURE
DEPTH	STRATA	1		Low	112070	COLOR	CONSISTENCY			IATERIAL SCRIPTION	USCS	COLOR	PID	MOISTOILE
FEET		NO.	CC	DUNT	RQD%		ROCK HARDNESS		DE	SCRIPTION		CODE		HCN
	 					<u> </u>					<u>I</u>			1
0-	KXXX	1		-	100%	Dark	N/A	T =			FILL		0.0	Dry
-						Brown				3/4 stone at surface. nd, some fine-coarse				0.0
								gravel.	No MGF	impact.				
1								CLAY,	some fine	e sand.	CL			
1						Light		Fine-co	arsa GR	AVEL, some medium-				
-5-	XXXX	2		-	72%	Brown Light		coarse	sand, tra	ce silt. No MGP	GW		0.0	0.0
4						Orange- Brown		impact			SW			
										ND, some fine-coarse	"			
								gravel.	No MGF	'impact.				
1														
1														
-10 —		3		-	63%	Light							0.6	0-1
4						Brown								
1														
-15 —		4		-	65%								0.8	0-1
+														0.0
4						Black							18.1	2.0
						Didok				ND, little fine gravel. strong petroleum				
								odor.	otan in ig,	onong petroleum			30.5	0-2
1													30.7	1.0
-20 —		5		-	63%	_							47.1	
+													72.0	
4													103	
								-some	fine grave	el.			110	
_ 7													152	
-25 —		6		-	60%	Brown		Fina 1		UD trace come fire		111111	103	Wet
1	'.'.'.'.'.'.'.'.'.'	I						Fine-co	arse SAI	ND, trace-some fine-	I		l	1.0
	IMENTS <u>:</u> Bo				6620 DT D	irect Pus	h Geoprobe ar	nd sample	d with a 2	2" diameter macrocore.				
	hole backfil				nite grout t	o grade.								

TEST BORING LOG Corporation **BORING NO.: DGP-281** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** medium gravel. Strong naphthalenelike odor. 154 2.0 Tan Black 110 -black NAPL staining and sheen from Brown 86.3 3.0 28'-29'. -30 68% Gray 87 Fine-coarse SAND. Strong naphthalene-like odor. 105 147 6.0 -little fine-medium gravel. 91 29.7 Fine-coarse GRAVEL. No MGP -35 impact noted. 95% Orange-GW 0-1 8 0.8 Brown SW Fine-coarse SAND, little silt, trace 0.6 coarse gravel. No MGP impact. 1.0 8.0 0.4 -40 97% Brown 2.0 7.2 9 Fine-medium SAND, trace fine gravel. Faint naphthalene-like odor. 4.3 2.2 -some fine-medium gravel from 42'-7.2 10 97% 3.0 3.0 5.1 4.1 5.5 5.3 -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. Boring handcleared from 0'-5'. Borehole backfilled with cement-bentonite grout to grade. **BORING NO.: DGP-281**

URS corporation										IESI BORING LOG							
						BORING NO. : DGP-282											
		CT LOC	ATIO			IGP PDI,	Hempstead, I	New York	<	SHEET:	1 OF 2						
CLIENT	:			Natio	onal Grid					JOB NO. :		065.000					
BORING	G CONTRA	CTOR:		F + N						BORING LOCATION:	· · · · · · · · · · · · · · · · · · ·						
GROUN	IDWATER:			~20'	bgs	GROUND ELEVATION: N/A											
DATE	TIME	LEVI	EL	TYPE	TYPE		Macrocore			DATE STARTED:	1/27/09						
					DIA.		2-inch			DATE FINISHED:		1/27/09					
					WT.					DRILLER:		M. Mede					
					FALL					GEOLOGIST:	M. Da	M. Dascoli					
					*	POCKET F	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Connare						
		S	AMPL	E	REC%		SOIL			ATERIAL		MGP		MOISTURE			
DEPTH FEET	STRATA	NO.		_ow	RQD%	COLOR	CONSISTENCY ROCK			CRIPTION	uscs	COLOR	PID	HCN			
			CC	DUNT	nQD /6		HARDNESS					CODE		HUN			
0								Boring	handelea	red and drilled from							
-										begins at 20' bgs.							
-																	
-5																	
-																	
-																	
-																	
-10 —																	
-																	
-																	
4 1																	
-15 —																	
-																	
+																	
4																	
-20 —		1		-	57%	Orange- Brown	N/A	Fine-co	arse SAN	ID. No MGP impact.	SW		0.0	Wet 0.0			
						2.0								0.0			
-									fine-medi	um gravel from 22'-							
								24'.									
25.																	
-25 —		2		-	93%			Fine-co	arse SAN	ID, little fine-coarse			0.0	0.0			
'		'		ı		ı l		,		,	ı	ı l		1			
661	LAENIZO D	udus a - 1		al ! . !	0000 DT D	ina at Door	h On an l	.al .a	ه داشداد	W alla ma a bang gran a sana							
COM Borel	MENTS <u>:</u> Bo hole backfil	oring adv	vance ceme	ed with a ent-bentor	6620 DT D	rect Pus o grade	n Geoprobe an	id sample	ed with a 2	diameter macrocore.							
							from 20'-35'.										

TEST BORING LOG URS corporation DGP-282 **BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** gravel. No MGP impact. N/A 0.0 0.0 Fine-coarse SAND. No MGP impact. -some-trace fine-coarse gravel from End of boring at 35' 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', drilled from 5'-20', sampled from 20'-35'. **BORING NO.: DGP-282**

URS corporation									TEST BORING LOG							
				BORING NO. : DGP-283												
PROJE	CT/PROJE	CT LOCAT	TION: Natio		SHEET:	1 OF 2										
CLIENT	:		Natio	onal Grid					JOB NO. :	11175065.00011						
BORING	G CONTRA	CTOR:	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			DATE STARTED:	1/27/0	9					
				DIA.		2-inch			DATE FINISHED:	1/27/0	9					
				WT.					DRILLER:	M. Mede						
				FALL					GEOLOGIST:	M. Dascoli						
				* F	OCKET P	ENETROMETE	R READIN	IG	REVIEWED BY:	K. Connare						
		SAM	PI F	REC%		SOIL					MGP		MOISTURE			
DEPTH	STRATA		BLOW	NEC%	COLOR	CONSISTENCY			ATERIAL	USCS	COLOR	PID	MOISTURE			
FEET		NO.	COUNT	RQD%		ROCK HARDNESS		DES	SCRIPTION	COD	CODE		HCN			
							<u> </u>									
0-				1									1			
									red and drilled from begins at 20' bgs.							
							0-20.	Sampling	begins at 20 bgs.							
1																
+																
4 1																
-5 —																
1																
+																
4																
_																
-10 —																
-10 —																
1 1																
+ 1																
4 1																
-15 —																
+																
4																
]																
1																
-20 —		1	-		Orange-	N/A	Eine er	varea CAN	ND, trace fine gravel.	SW		0.0	Moist			
4					Brown		No MG	P impact.	ND, trace fine gravel.				0.0			
]							<i>-</i>									
				}	Brown Orange-		gravel	and silt.	ND, trace fine-medium `Faint naphthalene-	SM		3.9				
1					Brown		like odd	or and sta	ining.			4.9				
+					Brown		; Fine S/	AND, som	ne silt. No MGP			10.4				
-25 —		2	_		Orange-		impacts	s noted.	į	SW		4.5	Wet			
		-			Brown		\Fine-co	arse SAN	ND, little silt.			1.0	0.0			
COM	MENTS: Bo	ring advar	nced with a	6620 DT Di	rect Push	n Geoprobe an	ıd sample	ed with a 2	2" diameter macrocore.							
Borel	nole backfill	ed with ce	ment-bento	nite grout to	grade.											
Borin	ig handclea	red from 0	'-5', drilled f	rom 5'-20',	sampled	from 20'-35'.										

TEST BORING LOG URS Corporation **BORING NO.: DGP-283** PROJECT: National Grid MGP PDI, Hempstead, New York 2 SHEET: 2 OF **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** GW Moderate naphthalene-like odor, some NAPL sheen and staining 23'-SW Dark 11.7 25'. Brown 12.5 Fine-coarse SAND. Strong naphthalene-like odor, NAPL blebs 10.5 and moderate coating 25'-26'. -30 0.0 3 Orange-0.0 Fine-medium GRAVEL, some fine-Brown medium SAND. Strong naphthalenelike odor, moderate NAPL coating 26'-27'. Fine-coarse SAND, trace fine gravel. Strong naphthalene-like odor & coating from 27'-30'. NAPL saturated lens from 27'-27.5'. Moderate -35 naphthalene-like odor, NAPL coating & staining from 30'-35'. Thin NAPL saturated lenses at 33.5', 34', and 34.25'. End of boring at 35' bgs. -50 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-283**

TIDC								TEST BORING LOG										
URS corporation										BORING NO. : DGP-284								
PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York										SHEET: 1 OF 2								
CLIENT	<u> </u>		N	lation	al Grid					JOB NO. : 11175065.00011								
										BORING LOCATION: N/A								
GROUN	IDWATER:	:	^	~30' bg	gs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:N/A								
DATE	TIME	LEVE	L T	YPE	TYPE		Macrocore			DATE STA			3/09					
					DIA.		3.5-inch			DATE FIN			3/09					
					WT.					DRILLER:			n C.					
					FALL				_	GEOLOGI			Dasco					
					*		NETROMETE	R READIN	G	REVIEWE	D BY:	J.	Boyd	1		ı		
DEPTH		SAMPLE	REC%			SOIL ONSISTENC	,	MATE	RIAL			MGP COLOR	PID	ПСИ	Lac	MOISTURE		
FEET	STRATA	NO.	RQD%	Co		ROCK		DESCR	IPTION		USCS	COLOR	PID	HCN	H2S	MOISTURE		
						HARDNESS							<u> </u>		<u> </u>			
0-				_							ı		I	ı		I		
		-	-				No sample	es collect	ed from 0)'-20' bgs.								
1															i			
-															i			
-5-																		
-															i			
-															i			
_																		
10																		
-10 —															i			
1															i			
-																		
-															i			
_															i			
-15 —															i			
															i			
															i			
1 1															i			
-															i			
-															i			
-20 —		1	72%	 	ight	N/A	F:	OAND	C.		SW		0.0	0.0	0.0			
4				Ora	ange- rown		Fine-coar No MGP i	se SAND mpact.	, trace fin	e gravel.			0.0	0.0	0.0			
								·										
													0.0	0.0	0.0			
													0.0	0.0	0.0			
7													0.0	0.0	0.0			
-25 —		2	85%					CANI					0.0	0.0	0.0	Wet		
╛				ı	1		Fine-med	ium SANI	, trace fi	ne gravel	l		l	I	l	I		
																1		
COM Borin	MENTS: B	oring adva	anced wi	tn a 80	040 DT I	Direct Push arade	Geoprobe ar	nd sample	ed with a	3.5" diamete	er macro	core.						
Boring backfilled with cement-bentonite grout to grade. Sampling begins at 20' bgs.																		

TEST BORING LOG URS Corporation BORING NO.: DGP-284 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S **DESCRIPTION FEET** NO. RQD% ROCK CODE **HARDNESS** and silt. Faint naphthalene-like odor. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3 82% 0.0 0.0 0.0 Orange-Fine-coarse SAND, little fine gravel, Brown trace silt. Faint naphthalene-like odor. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 83% 0.0 0.0 0.0 Fine-coarse SAND, trace fine gravel. Faint naphthalene-like odor. 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. -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-284**

TIDC								TEST BORING LOG											
										BORING NO. : DGP-285									
PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York										SHEET: 1 OF 2									
CLIENT	:		N	ationa	Grid					JOB NO. : 11175065.00011									
BORING	G CONTRA	ACTOR:	Z	ebra						BORING LOCATION: N/A									
GROUN	GROUNDWATER: ~30' bgs CAS. SAMPLER CORE TUBE										GROUND ELEVATION:N/A								
DATE	TIME	LEVE	L TY	PE	TYPE		Macrocore			DATE STA	ARTED:	7/8	3/09						
					DIA.		2-inch			DATE FIN	ISHED:	7/8	3/09						
					WT.					DRILLER:	:		an Mor						
					FALL					GEOLOGI	IST:	M.	Dasco	li					
					* P	OCKET PE	NETROMETE	R READIN	G	REVIEWE	D BY:	J.	Boyd						
			REC%			SOIL		MATE	DIAL			MGP							
DEPTH FEET	STRATA	SAMPLE_ NO.	RQD%	COL	UN	ISISTENC' ROCK	<u>Y</u>	DESCR			uscs	COLOR	PID	HCN	H2S	MOISTURE			
			IIGD /6			ARDNESS						CODE	<u> </u>						
_																			
0		-	-				No sampl	es collect	ed from (0'-20' bgs.									
-							'			Ü									
+																			
-																			
4																			
-5—																			
1																			
1																			
+																			
-																			
-10 —																			
1																			
+																			
+																			
-15 —																			
1																			
7																			
+																			
-20 —		1	53%	Lig	ht	N/A					SM		0.0	0.0	0.0	Moist			
		•	/-	Bro			Fine-med sand, trac												
							from 20'-2	21'. No M	GP impa	ct.			0.0	0.0	0.0				
													0.0	0.0	0.0				
1													0.0	0.0	0.0				
+													0.0	0.0	0.0				
-25 —		2	53%	Lig	ht						SW	1	0.0	0.0	0.0	Wet			
				Brov	vn-		Fine-coar	se SAND	, trace fin	ie gravel,		1							
							Geoprobe a	nd sample	ed with a	2" diameter	macroco	ore.							
	g backfilled pling begin			onite g	out to g	rade.													
Joann	piiriy begill	ο αι∠∪ Ο(ys.																

TEST BORING LOG URS corporation BORING NO.: DGP-285 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY MOISTURE HCN STRATA COLOR USCS COLOR PID H2S FEET DESCRIPTION NO. RQD% ROCK CODE **HARDNESS** 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 3 47% 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 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.

URS Corporation								PORING NO DOD 000									
PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York									BORING NO. : DGP-286								
		ECT LOCA		ational (GP PDI,	Hempstead,	New Yor	K	SHEET: 1 OF 2							
CLIENT										JOB NO. : 11175065.00011							
	G CONTRA			e bra 26' bgs		CAS. SAMPLER CORE TUBE					BORING LOCATION: N/A GROUND ELEVATION:N/A						
DATE	TIME	LEVE		-	gs CAS. SAMPLER CORE TUBE TYPE Macrocore					DATE STARTED: 7/23/09							
DAIL		+			DIA.		2-inch			DATE FIN			7/23/09				
		+			WT.					DRILLER: Evan Moriatis							
		+			FALL					GEOLOGIST: J. Harshman							
		1			* P	OCKET PI	ENETROMETE	R READIN	G	REVIEWED BY: J. Boyd							
			REC%	Т	T	SOIL						MGP					
DEPTH FEET	STRATA	SAMPLE_ NO.	RQD%	COLO	,	ISISTENC ROCK ARDNESS		MATE DESCR			USCS	COLOR CODE	PID	HCN	H2S	MOISTURE	
•																	
0		-	-				No sample Boring ha										
_																	
-5-	•:•:•:•:•:•	1	97%	Dark	-	Loose	Fine-coars	gravol	SW		0.0	0.0	0.0	Dry			
+ 1				Brown			No MGP i	mpact.	, iittie iirie	graver.			0.0	0.0	0.0		
-													0.0	0.0	0.0		
4				Light Brown									0.0	0.0	0.0		
4				Biowi									0.0	0.0	0.0		
-10 —																	
		2	88%			Loose- Medium							0.4	1.0	0.0		
						Dense							0.2	0.0	0.0		
													0.5	0.0	0.0		
													0.2	0.0	0.0		
													0.6	0.0	0.0		
-15 —		3	87%	1		Medium Dense	Fine-coars	se SAND	and GRA	VEL,	SW-GW		0.2	0.0	0.0		
						20.100	interval of 17.5'. No	f fine silty	sand fron	n 17'-			0.1	0.0	0.0		
+				Dark	1								0.1	13	0.0		
+				Brown									0.2	0.0	0.0		
+													0.2	0.0	0.0		
-20 —		4	73%	1			Fine cost	00 CAND	troce !!#	lo fino	SW		3.0	0.0	0.0		
-							Fine-coars gravel. D	ark brown	n NAPL st	taining,			2.5	0.0	0.0		
							slight nap 22' and 23	nthalene- 3'-25'.	like odor	trom 20'-			10	1.0	0.0		
													16	0.0	0.0		
													12.5	4.0	0.0		
-25 —																	
		5	58%				Fine-coars	se SAND	, trace fin	e gravel.			16	2.0	0.0		
СОМ	MENTS: B	oring adv	anced with	a 6620	DT Di	rect Push	Geoprobe ar	nd sample	ed with a	2" diameter	macroco	ore.					

Boring backfilled with cement-bentonite grout to grade.

Sampling begins at 5' bgs. Boring hand cleared from 0'-7.5' bgs.

TEST BORING LOG URS Corporation **BORING NO.: DGP-286** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S **DESCRIPTION FEET** NO. RQD% ROCK CODE **HARDNESS** Wet Slight-moderate brown NAPL staining, 9.0 9.0 0.0 light NAPL coating, slight-moderate 0.0 naphthalene-like odor. 8.0 0.0 16 3.0 0.0 27 2.0 0.0 55% SP 0.0 6 40 4.0 Fine SAND. Moderate-heavy brown NAPL staining, moderate coating and 60 7.0 0.0 sheen, and napthahlene-like odor. Light Brown 42 13 2.0 Fine SAND. No MGP impacts. Faint naphthalene-like odor. 1.0 1.0 0.0 1.0 0.0 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 5' bgs. Boring hand cleared from 0'-7.5' bgs.

			TΠ	25	Coi	mora	tion					E 5 E			<u>-0G</u>	
										BORING I	NO. :		3P-287			
		CI LOCA				GP PDI,	Hempstead,	New Yor	k	SHEET:			OF 2			
CLIENT					al Grid					JOB NO.				5.00011		
	G CONTRA			ebra 25' bg	10	040	044401.50	0005	TUDE	BORING L						
1	IDWATER:	1			TYPE	CAS.	SAMPLER Macrocore	CORE	TUBE	DATE STA			25/09			
DATE	TIME	LEVE	L TY	PE	DIA.		2-inch			DATE FIN			25/09			
					WT.		2-111011			DRILLER			an Mor	iatis		
					FALL					GEOLOG			Harshn			
						OCKET PE	NETROMETE	R READIN	G	REVIEWE		J.	Boyd			
			REC%	Т		SOIL						MGP				
DEPTH FEET	STRATA	SAMPLE_ NO.	RQD%	со	-0.1	ISISTENC ROCK ARDNESS	Υ	MATE DESCR			uscs	COLOR	PID	HCN	H2S	MOISTURE
	l l			<u> </u>							l					l
0—		-	-	N	I/A	N/A	No sample	es collect	ed from 0)'-5'	NONE					
+							140 Sampl	co concot	ou nom o	, o.						
+ 1																
-																
-																
-5		1	55%	<u> </u>	ark	Loose					SW		0.0	0.0	0.0	Slightly
		'	JJ /6		own	LUUSE	Fine-coar			-medium	344					Moist
							gravon re	o mar in	.paot.				0.0	0.0	0.0	
													0.0	0.0	0.0	
													0.0	0.0	0.0	
1													0.0	0.0	0.0	
-10 —		2	57%		ight own-								0.0	0.0	0.0	
-					ange								0.0	0.0	0.0	
+													0.0	0.0	0.0	
+													0.0	0.0	0.0	
+													0.0	0.0	0.0	
-15 —		3	50%	Ora	ange-	Medium	 				SW	-	0.0	0.0	0.0	Dry
4					own	Dense	Fine-coar medium g						0.0	0.0	0.0	
													0.1	1.0	0.0	
													0.0	0.0	0.0	
-20 —													0.0	0.0	0.0	
		4	50%			Loose- Medium							0.0	0.0	0.0	
						Dense							0.0	1.0	0.0	
1													0.0	1.0	0.0	
1													0.1	1.0	0.0	
													0.0	0.0	0.0	
-25 —		5	47%		ght own-		Fine-med	ium SANI	D, trace c	oarse	SP	+	0.0	0.0	0.0	Wet
																,
1 0014	MENTO, D	arina adv	anaad with	66	OU DT D	root Duch	Geonrohe a	ad aamal	d with a	2" diameter	maaraa	ara				1.1

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.

TEST BORING LOG URS Corporation BORING NO.: DGP-287 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S FEET DESCRIPTION NO. ROCK RQD% CODE **HARDNESS** Orange 1.0 0.0 sand and fine gravel. No MGP 0.0 impact. 0.0 0.0 0.0 0.0 0.0 1.0 0.0 0.1 0.0 6 47% Light Medium 0.0 0.0 0.0 Fine SAND, trace silt. No MGP Brown Dense 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 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 5' bgs.

			TΠ) C	Δ	rpora				E 5 E			_06			
										BORING I	NO. :		P-288			
		CT LOCA				IGP PDI,	Hempstead,	New Yor	k	SHEET:			OF 3			
CLIENT				ational	Gria					JOB NO. BORING I				5.00011		
	G CONTRA			ebra 25' bgs		040	CAMPLED	0005	TUBE	GROUND						
	IDWATER				TVDE	CAS.	SAMPLER Macrocore	CORE	TUBE	DATE ST			4/09			
DATE	TIME	LEVE	L IY	PE	TYPE DIA.					DATE FIN			25/09			
					WT.		2-inch			DRILLER			an Mor	iatis		
					FALL					GEOLOG			Harshn			
						OCKET PE	NETROMETE	R READIN	G.	REVIEWE		J. I	Boyd			
			REC%		\top	SOIL	1				<u> </u>	MGP				
DEPTH	STRATA	SAMPLE	REU%	COL		ISISTENC	Υ		RIAL		USCS	COLOR	PID	HCN	H2S	MOISTURE
FEET		NO.	RQD%			ROCK ARDNESS		IPTION			CODE					
		<u> </u>		<u> </u>						<u> </u>		<u> </u>				
0—		-	N/A	N/A	\	N/A	ad from 0)'-15' bgs.	NONE							
-							eu nom o	7-15 bgs.								
-																
_																
4																
-5—																
1																
+																
-10 —																
4																
-																
_																
-15																
		1	48%	Brov	vn	Loose	Fine-coar	se SAND	, little-son	ne fine-	SW		0.0	0.0	0.0	Dry
1							medium g	jravei. No	NIGP IM	раст.			0.0	0.0	0.0	
-													2.0	0.0	0.0	
-							Fine-coar						6.0	0.0	0.0	
-							gravel. T staining, f	hin bands	of black	NAPL ke odor			18	0.0	0.0	
-20 —		2	52%	Brow	n-	Loose-	+						18	0.0	0.0	
4				Ligi Brov		Medium Dense	Fine-med medium g	ravel. Sl	ight black				20	0.0	0.0	
4							staining a	t 20' bgs. ene-like od	Faint dor.				22	0.0	0.0	
							-black NA	PL stainir	ng from 2	3'-25'.			20	0.0	0.0	Moist
0.5							Faint nap	hthalene-	like odor.				40	1.0	0.0	
-25 —		3	50%	Gra Blad		Loose	Fine-med	ium SANI) trace fi	ne gravel.	SP		17	1.0	0.0	Moist- Wet
	• • • •	1		I Dia	1		i ine-ineu	Idili OANI	ک, ۱۱۵۵ ۵ ۱۱	no graver.	I			I	I	1
COM	MENTS: B	oring adv	anced with	h a 662	0 DT Di	rect Push	Geoprobe a	nd sample	ed with a	2" diameter	macroco	ore				

Boring backfilled with cement-bentonite grout to grade. Sampling begins at 15' bgs.

TEST BORING LOG URS Corporation BORING NO. : **DGP-288** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY COLOR PID HCN H2S **MOISTURE STRATA** COLOR USCS **DESCRIPTION FEET** NO. **ROCK** RQD% CODE **HARDNESS** 40 1.0 0.0 Several thin bands of black NAPL staining. Faint naphthalene-like odor throughout. 10 1.0 0.0 6.0 1.0 0.0 Fine-medium SAND, trace fine gravel. 2.0 1.0 0.0 No MGP impact. Orange-Wet 52% Brown Medium 0.0 4 1.5 0.0 Fine SAND, trace medium sand and Light Dense silt. Faint naphthalene-like odor. Brown-2.0 0.0 0.0 Orange 3.0 0.0 0.0 3.0 1.0 0.0 3.0 1.0 0.0 N/A SW-GW 5 Loose 0.0 0.0 0.0 Fine-coarse SAND and fine-coarse GRAVEL. 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 N/A 0.0 6 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 SW 32% Loose-20 0.0 0.4 Fine-coarse SAND, trace-little fine-Medium coarse gravel. No MGP impact. Dense 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 1.0 0.0 0.0 0.0 -50 52% 0.0 0.0 0.0 8 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -55 37% Medium 0.0 0.0 9 0.0 Fine-medium SAND, trace fine gravel. Dense No MGP impact. 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.

TEST BORING LOG URS Corporation BORING NO.: DGP-288 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 3 OF 3 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S DESCRIPTION **FEET** NO. RQD% ROCK CODE **HARDNESS** 0.0 0.0 0.0 0.0 0.0 0.0 Fine-coarse SAND, some fine--60 10 48% Black 2.0 0.0 20 medium gravel. Moderate-heavy black NAPL coating, sheen, and stain. 25 2.0 0.0 Moderate naphthalene-like odor. White SP 1.0 0.0 Fine SAND. Slight NAPL staining, faint naphthalene-like odor. Orange-Brown 8.0 1.0 0.0 Fine SAND. Slight naphthlene-like Loose- Dense 0.0 Light 1.0 1.0 Gray -65 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-288**

			U.	RS	C	orpora	atio	n			BORING N		DO	3P-289		<u>-04</u>	
PROJE	JECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York SHEET: 1 OF 2																
CLIENT	:			Nation	al Grid	d					JOB NO. :	1	11	175065	5.00011		
BORING	CONTRA	ACTOR:		Zebra							BORING L	OCATIO	ON: N/	A			
GROUN	IDWATER	:		~25' bg	js	CAS.	SAI	MPLER	CORE	TUBE	GROUND	ELEVA	TION:N/	A			
DATE	TIME	LEVE	L 1	TYPE	TYF	PE	Mac	rocore			DATE ST	ARTED:	6/2	26/09			
					DIA		2-	inch			DATE FIN	ISHED:	6/2	26/09			
					WT.						DRILLER	•	Ev	an Mor	alitis		
					FAL	L					GEOLOG	IST:	J.	Harshn	nan		
						* POCKET	PENET	ROMETE	R READIN	IG .	REVIEWE	D BY:	J.	Boyd			
DEPTH		SAMPLE	REC%			SOIL CONSISTEN	CV		МАТЕ	ERIAL			MGP				
FEET	STRATA	NO.	RQD%		LOR	ROCK			DESCR			USCS	COLOR	PID	HCN	H2S	MOISTURE
\longrightarrow						HARDNES	s						OODL				
0-,												ı	1	I			
		- N/A No samples collected from 0'-10' bgs.															
1																	
1																	
-5-																	
+																	
-																	
-																	
4																	
10 -			070/									014/		100	0.0	0.0	
		1	87%	L	own- ight	Loose	Fi	ine-medi	ium SANI	D, trace fi APL stain	ne gravel.	SW		160	6.0	0.0	Dry
				Ы	own		bl	ack NAF	L stainin	g from 11	.5'-12'.			185	1.0	0.0	
							51	trong na	pntnaiene	e-like odo 	r. 			140	0.0	0.0	
										, some fir	ne-			180	0.0	0.0	
1									ravel. Me ne-like o					100	0.0	0.0	
15 —		2	60%	Br	rown	Loose- Medium	 Fi	ne-coar	se SAND	 , some fir	 ne-			150	1.0	2.0	
						Dense	m	edium g		ight brow				165	1.0	2.0	
-							na	aphthale	ne-like o	dor.				152	3.0	3.0	
-														158	3.0	1.0	
-														160	2.0	1.0	
20 —	:	3	57%	- Rr	own-	Medium								105	0.0	0.0	
			57 /6	L	ight own	Dense				, little fine n NAPL s	-medium staining.						
					24411					e-like odo				175	0.0	0.0	
														210	0.0	0.0	
							Fi	ne-medi	ium SANI	D. Strong	9	SP		80	0.0	0.0	
_ 1							na	apnthale	ne-like o	dor.				75	0.0	0.0	
25 —		4	55%					ine-coor	50 SANID	little fine	e-medium	SW		106	0.0	0.0	Wet
_	·.'.'.'.'.'.	ı l		I	ı		[ıı c -coar	SC SAND	, mule IIIIE	-mealuffi	I		I		I	I
	MENTS: B						sh Geo	probe ar	nd sample	ed with a	2" diameter	macroco	ore.				

Sampling begins at 10' bgs.

TEST BORING LOG URS corporation **BORING NO.: DGP-289** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S **DESCRIPTION FEET** NO. RQD% ROCK CODE **HARDNESS** 0.0 gravel. Moderate naphthalene-like 90 0.0 odor. 0.0 0.0 60 Fine SAND. Moderate naphthalene-SP Light 125 0.0 0.0 like odor. Brown SW Loose 50 0.0 0.0 Fine-medium SAND, trace fine gravel. Moderate naphthalene-like odor. 52% Medium SP 50 0.0 0.0 Dense Fine SAND. Moderate to faint 225 0.0 0.0 naphthalene-like odor. 20 0.0 0.0 0.0 0.0 0.0 0.0 0.0 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-289**

			T	П	2	_		4-				11	E91 E	OKI	NG I	_06		
	TEST BORING LOG BORING NO.: DGP-290 ROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York LIENT: National Grid JOB NO.: 11175065.00011 ORING CONTRACTOR: Zebra BORING LOCATION: N/A																	
		ECT LOC	ATIO				GP PDI,	Hempstead,	New Yor	k	_							
						rid									5.00011			
	NDWATER				B' bgs		CAS.	SAMPLER	CORE	TUBE	GROUND DATE STA			29/09				
DATE	TIME	LEVE	L	TYP		YPE IA.		Macrocore			DATE SIN			29/09				
						/T.		2-inch			DRILLER:			an Mor	aitis			
						ALL					GEOLOGI			Harshn				
							OCKET PE	NETROMETE	R READIN	G	REVIEWE		J. I	Boyd				
		<u> </u> 	DE	EC%		T	SOIL	1					MGP	Ú	<u> </u>		1	
DEPTH	STRATA	SAMPLE		L%	COLOR		SISTENC	Υ	MATE			USCS	COLOR	PID	HCN	H2S	MOISTURE	
FEET		NO.	RC	QD%			ROCK RDNESS		DESCR	IPTION			CODE					
					<u> </u>			<u> </u>							<u> </u>	<u> </u>		
0-		-		-			-	No compl	ing from (N' 10' baa								
-						No sampling from 0'-10' bgs.												
-																		
_																		
-5-																		
٦																		
1																		
1																		
+																		
+																		
-10 —		1 1	7	2%	Brown	Ve	ery Dense	<u> </u>				FILL		75	0.0	0.0	Dry	
4					Black-	'	,	FILL. Fin medium g						140	0.0	0.0	,	
]			Brown			like odor f -fine-med			h-like			70	0.0	0.0		
								material.	Black NA	PL staini	ng from							
	V///	1						11'-15', m coating fro	om 14'-14	.5', mode	rate			120	0.0	0.0		
]						naphthale	ne-like o	dor throug	ghout.			210	2.0	0.0		
·15 —		2	4	7%			Medium Dense	Fine-coar				SW		150	0.0	0.0	Moist	
7		<u> </u>						gravel. B staining a						325	4.0	0.0		
+								moderate	naphthal	ene-like o	odor.			160	6.0	0.0		
+		<u> </u>												140	3.0	0.0		
4														260	2.0	0.0		
-20 —		3	1	8%	Brown									230	0.0	0.0		
_			4	J /3	DIOWII			Fine-coar gravel. B										
								throughou	ut, light-m	oderate N				102	2.0	0.0		
		.						coating from	ne-like o	dor throug	ghout.			450	4.0	2.0		
7								/ Fine-coar	SA SAND					285	6.0	2.0		
1								medium g	ravel. Bla	ack NAPL	staining `			145	29	2.0		
25 —		4	5	0%	Black	Ve	ery Dense	and mode naphthale			erate			187	0.0	0.0		
	<u></u>	<u>:</u>			L									l	I	l	I	
	IMENTS: B							Geoprobe a	nd sample	ed with a	2" diameter	macroco	ore.					

Sampling begins at 10' bgs.

TEST BORING LOG Corporation **BORING NO.: DGP-290** PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY MOISTURE STRATA USCS COLOR PID HCN H2S COLOR **DESCRIPTION FEET** NO. **ROCK** RQD% CODE **HARDNESS** Medium Brown 20 0.0 0.0 Fine-medium SAND, trace fine-Dense medium gravel. Slight brown NAPL 0.0 230 0.0 staining throughout, slight NAPL coating from 28'-29'. Moderate 185 0.0 0.0 Wet naphthalene-like odor. 230 0.0 0.0 -30 53% Fine-medium SAND, trace fine-0.0 5 113 2.0 medium gravel. Slight naphthalene-75 22 0.0 like odor. SP 300 12 0.0 Fine-medium SAND. Brown NAPL staining, moderate-heavy coating, 250 25 0.0 strong naphthalene-like odor from 32'-34'. Faint naphthalene-like odor from Loose- Dense 5.0 5.0 0.0 34'-35'. End of boring at 35' bgs. -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**

			TIT	36		orpora	4ion				ESIE			_OG		
										BORING N	10. :		3P-291			
		ECT LOCA					Hempstead,	New Yor	<u>k</u>	SHEET:			OF 2			
CLIENT					al Grid					JOB NO. :				5.00011	<u> </u>	
	G CONTRA			ebra -29' bg			CAMPLED	CORE	TUBE	BORING L GROUND						
	NDWATER:	1			1	CAS.	SAMPLER Macrocore	CORE	TUBE	DATE STA			29/09			
DATE	TIME	LEVE		/PE	DIA.		2-inch			DATE FIN			29/09			
		1	_		WT.		2-111011			DRILLER:			an Mor	 raitis		
		+			FALL					GEOLOGI			Harshn			
		+					LENETROMETE	R READIN	iG	REVIEWE			Boyd			
		<u> </u>	DEC0/	\top	<u> </u>	SOIL	T			1		MGP	<u> </u>			
DEPTH	STRATA	SAMPLE	REC%	_ cc	LOR C	ONSISTENC	Y		ERIAL		USCS	COLOR	PID	HCN	H2S	MOISTURE
FEET		NO.	RQD%			ROCK HARDNESS		DESCR	IPTION			CODE				
		<u> </u>														<u>. </u>
0-		-	-	\neg			\									
-							0'-15' bgs	i.								
4																
_																
-5 —																
-																
-																
-																
-																
-10 —																
-																
+																
-																
-15	·····	1	58%	Or:	ange-	Loose-					SW	-	0.0	0.0	0.0	Dry
		'	JU /U	Br	rown	Medium Dense	Fine-coar	se SAND	, some fir	ne- nnact	344					Diy
						Delise	1110010111.9	JI G V O) IVIO	ipaoi.			0.0	0.0	0.0	
													0.0	0.0	0.0	
1													0.0	0.0	0.0	
-													0.0	0.0	0.0	
-20 —		2	75%	Or	ange	Loose	-						0.0	0.0	0.0	
4				<u> </u>	ight								0.0	0.0	0.0	
					rown		-little fine-	-medium (gravel.							
													0.0	0.0	0.0	
													0.0	0.0	0.0	
1													0.0	0.0	0.0	
-25 —		3	50%	_		Medium	 						0.0	0.0	0.0	
				ı		Dense	Fine-coar	se SAND	, trace-litt	tle fine	J		J	ļ		I
	IMENTS: B						Geoprobe a	nd sample	ed with a	2" diameter	macroco	ore.				

Sampling begins at 15' bgs.

TEST BORING LOG URS Corporation **BORING NO.: DGP-291** PROJECT: National Grid MGP PDI, Hempstead, New York OF SHEET: 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY MOISTURE STRATA USCS COLOR PID HCN H2S COLOR **DESCRIPTION FEET** NO. ROCK RQD% CODE **HARDNESS** gravel. No MGP impact. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Wet 0.0 0.0 0.0 -fine-medium sand at 29'-30'. 53% SP 0.0 0.0 0.0 Fine-medium SAND. Trace fine gravel from 30'-31', fine sand from 31'-0.0 0.0 0.0 35'. No MGP impact. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 57% 5 Light 0.0 0.0 0.0 Fine SAND, trace medium sand and Brownfine gravel. No MGP impact. Orange 0.0 0.0 0.0 0.0 0.0 0.0 Medium SW-GW 0.0 0.0 0.0 Fine-coarse SAND and GRAVEL. No Dense- Dense MGP impact. 0.0 0.0 0.0 47% Orange-Dense 0.0 0.0 0.0 6 Brown 0.0 0.0 0.0 0.0 0.0 0.0 Medium SW 0.0 0.0 0.0 Fine-medium SAND, trace fine-Dense medium gravel. No MGP impact. 0.0 0.0 End of boring at 45' bgs. -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.

			TΠ	2 5)))	orporat						E 5 E			_0G	
									BORING I	NO. :		P-292				
		CT LOC				MGP PDI, F	lempstead,	New Yor	k	SHEET:			OF 2			
CLIENT					al Grid					JOB NO.				5.00011	<u> </u>	
	G CONTRA			ebra 25' bgs			0445155	0005	TUDE	BORING I						
	IDWATER					CAS.	SAMPLER	CORE	TUBE	DATE STA			25/09			
DATE	TIME	LEVE	LIY	PE	TYPE DIA.		Macrocore			DATE FIN			25/09			
				\longrightarrow	WT.		2-inch			DRILLER		Ev				
					FALL					GEOLOG			Harshn	nan		
			_			* POCKET PE	NETROMETE	R READIN	G	REVIEWE		J. I	Boyd			
			REC%	\top	$\neg \top$	SOIL	T					MGP				
DEPTH	STRATA	SAMPLE		COI	LOR C	ONSISTENCY	<u>′</u>	MATE			USCS	COLOR	PID	HCN	H2S	MOISTURE
FEET		NO.	RQD%			ROCK HARDNESS		DESCR	IPTION			CODE				
0_		-	100%	1	-	N/A	No sample	ed from 0	ν'-10'	NONE						
-							l 10 campi	00 0011001	ou nom e							
+																
-																
-																
-5—																
-																
-10 -		1	50%	Bla	ack	Dense	Fine-med	ium SANI) trace fi	ne-	SP		10	0.0	0.0	
+							medium g	ravel. Bl	ack NAPL	staining,			30	0.0	0.0	
-							moderate naphthale	naPL co ne-like o	ating, stro dor.	ong			70	0.0	0.0	
-													50	0.0	0.0	
_													60	0.0	0.0	
-15 —	•••••				L						014/					
		2	48%			Medium Dense	Fine-coar				SW		62	0.0	0.0	
							slight coa	ting, mod	erate nap	hthalene-			55	0.0	0.0	
							like odor.						50	0.0	0.0	
1													62	0.0	0.0	
1													65	0.0	0.0	
-20 —		3	48%		wn-		Fine-coar	se SAND	little-trac	e fine	SW	-	37	0.0	0.0	Dry
-				Bis	ack		gravel. B	rown NAF	L stainin	g and			35	0.0	0.0	
-							slight coa	ting, siign	t napntna	liene-like			38	0.0	0.0	
-													33	0.0	0.0	
_													28	0.0	0.0	
-25 —											0111					
		4	48%		ght wn-		Fine-coar	se SAND	, trace fin	e-coarse	SW		4.0	0.0	0.0	Moist- Wet
_		·			•											
СОМ	MENTS: B	oring adv	anced wit	h a 66	20 DT	Direct Push	Geoprobe a	nd sample	ed with a	2" diameter	macroc	ore.				
	a bookfille															

Boring backfilled with cement-bentonite grout to grade.

Sampling begins at 10' bgs.

TEST BORING LOG URS Corporation **BORING NO.: DGP-292** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S **DESCRIPTION FEET** NO. RQD% ROCK CODE **HARDNESS** Orange gravel. Faint naphthalene-like odor. 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 5 52% SW 0.0 0.0 0.0 Wet Orange-Fine-medium SAND, trace coarse Brown sand and fine coarse gravel. No MGP 0.0 0.0 0.0 impact. 0.0 0.0 0.0 0.0 0.0 0.0 Light SP 0.0 0.0 0.0 Fine SAND. No MGP impact. Brown 38% 6 0.0 0.0 Light 0.0 Fine-medium SAND. No MGP impact. Brown-Orange 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. -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.

			U	R	S,	- -	pora	tion			DODING N		ESIE			_OG	
PRO IF	CT/PROJE	ECT L OC						Hempstead,	Now Vor	·l⁄	BORING N SHEET:	NO. :		P-293 OF 2			
CLIENT					onal Gr		GP PDI,	nempsieau,	New 101	N.	JOB NO. :				5.00011		
	G CONTRA	ACTOR:		Zebr							BORING I				7.00011		
	IDWATER			~28'			CAS.	SAMPLER	CORE	TUBE	GROUND						
DATE	TIME	LEVEI		TYPE		/PE		Macrocore			DATE STA			9/09			
		1	+		DI			2-inch			DATE FIN	ISHED:	6/2	29/09			
					W-	т.					DRILLER		Ev	an Mor	aitis		
					F#	ALL					GEOLOG	IST:	J. l	Harshm	nan		
						* P(OCKET PI	ENETROMETE	R READIN	iG	REVIEWE	D BY:	J. l	Boyd			
DEPTH FEET	STRATA	SAMPLE_ NO.	REC	<u> —</u> (COLOR		SOIL ISISTENC ROCK ARDNESS		MATE DESCR	ERIAL		uscs	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
-10 —								No samp	ling from ()'-20' bgs							
-20		1	47°		Orange- Light Brown		Dense	Fine-coal MGP imp		and GRA	AVEL. No	SW-GW		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	Dry
-25 —		2	489	%			Medium Dense	Fine-coal gravel. N	rse SAND No MGP in	, little fine	e-medium	SW		0.0	0.0	0.0	
Borin	MENTS: B ng backfilled pling begin	d with cen	nent-k	with a bentonia	6620 D te grout	T Dir to gr	ect Push	n Geoprobe a	ınd sample	ed with a	2" diameter	macroco	ore.				

TEST BORING LOG URS Corporation BORING NO.: DGP-293 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S **DESCRIPTION FEET** NO. RQD% ROCK CODE **HARDNESS** 0.0 0.0 0.0 0.0 0.0 0.0 Wet 0.0 0.0 0.0 0.0 0.0 0.0 -some fine-medium gravel. 3 27% 0.0 0.0 Loose-0.0 Fine-coarse SAND, little fine-medium Medium gravel, trace cobble. Dense 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -slight black NAPL staining, slight 2.5 1.0 0.0 naphthalene-like odor at 35'. SM 53% Light Medium 0.0 0.0 0.0 Brown Dense Fine SAND, trace silt. No MGP 0.0 0.0 0.0 impact. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 End of boring at 40' bgs. -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-293**

			T	R	S	r	pora	tion					E91 E			_06	
PRO IECT/E	BO IF	CTLOCA						Hempstead,	Now Yor		BORING N	10. :		GP-294			
CLIENT:	ROJE	CILOCA	ATION		ional Gr		JP PDI,	Hempstead,	New Yor	К	SHEET: JOB NO. :			OF 2	5.00011		
BORING CO	NTRA	CTOR:		Zeb							BORING L).00011	-	
GROUNDW					9-30' bgs		CAS.	SAMPLER	CORE	TUBE	GROUND						
	IME	LEVEL		TYPE		YPE		Macrocore			DATE STA			30/09			
			+		_	IA.		2-inch			DATE FIN			30/09			
		<u> </u>	士		w	т.					DRILLER:	:	Ev	an Mor	aitis		
			\perp		FA	ALL					GEOLOGI	IST:	J. I	Harshn	nan		
						* PC	OCKET PI	ENETROMETE	R READIN	G	REVIEWE	D BY:	J. l	Boyd			
DEPTH FEET STF	RATA	SAMPLE_ NO.	REC		COLOR	CON	SOIL SISTENC ROCK ARDNESS		MATE DESCR	ERIAL		USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
0-,																	
-5 — -10 — -15 — -15 —								No sampl	es collect	ed from (0'-20' bgs.						
-20		1 2	50%		Brown- Orange		Medium nse- Dense	Fine-coar medium g	gravel. phthalene	e-like odol	r at 25'.	SW		0.2 0.2 0.1 0.1 20 30	2.0 2.0 2.0 2.0 2.0 4.0	0.0 0.0 0.0 0.0 0.0	Dry
COMMEN Boring ba	ckfilled	d with cen	nent-b					n Geoprobe a	nd sample	ed with a	2" diameter	macroco	ore.				

TEST BORING LOG URS corporation **BORING NO.: DGP-294** PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY STRATA USCS COLOR PID HCN H2S **MOISTURE** COLOR **DESCRIPTION FEET** NO. ROCK RQD% CODE **HARDNESS** medium gravel. Light clear NAPL 10 3.0 0.0 coating, slight naphthalene-like odor. 0.0 6.0 2.0 5.0 2.0 0.0 Wet 3.0 2.0 0.0 3 45% 0.0 0.0 0.0 Fine-coarse SAND, little fine-coarse gravel. 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 Fine-medium SAND. No MGP impact. SW 55% 0.0 0.0 0.0 Fine-coarse SAND, little fine-medium gravel. Bands of black NAPL staining Medium SP 20 2.0 0.0 and heavy coating. Moderate naphthalene-like odor. Dense 0.0 0.0 0.0 Fine SAND. No MGP impact. 0.0 0.0 0.0 0.0 0.0 0.0 70% 0.0 5 0.0 0.0 Orange-Fine SAND, trace fine-medium gravel. Light Brown No MGP impact. 0.0 0.0 0.0 0.0 1.0 0.0 0.0 2.0 0.0 Fine-coarse SAND, little fine-medium Light Brown SW 1.0 0.0 gravel. No MGP impact. End of boring at 45' bgs. -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-294**

			TΠ	3 5	1)	rpora	4iam				ESIE			<u>_OG</u>		
								BORING N	10. :		3P-295					
		ECT LOCA				MGP PDI, I	Hempstead,	New Yor	k	SHEET:			OF 2			
CLIENT					al Grid					JOB NO. :				5.00011	l .	
	G CONTRA			ebra						BORING L						
1	NDWATER:	1	1	25' bg		CAS.	SAMPLER	CORE	TUBE	GROUND						
DATE	TIME	LEVE	L TY	/PE	TYPE		Macrocore			DATE STA			5/09 5/09			
		+	-		DIA.		2-inch			DATE FIN			an Mor	iotio		
		+	_		WT.					DRILLER:			Dasco			
		+	_		FALL		NETDOMETE	D DE ADIN	L	-			Boyd			
				\dashv		SOIL	ENETROMETE		<u> </u>	REVIEWE	.и вт:	т п	- Joya			Т
DEPTH	STRATA	SAMPLE	REC%		LOR CC	ONSISTENC	Y	MATE	ERIAL		USCS	MGP COLOR	PID	HCN	H2S	MOISTURE
FEET	SIRAIA	NO.	RQD%			ROCK HARDNESS		DESCR	IPTION		0303	CODE				
					<u> </u>	IANDINESS					<u> </u>					
0-	ļ	- T		_												
_							No sample	es collect	ed from (0'-15' bgs.						
1																
1																
-5-																
-																
-																
_																
-10 —																
-																
4																
_																
-15 —																
-10		1	62%	Bro	own	N/A	Fine-coar	se SAND	, little fine	gravel.	SW		7.2	1.0	0.0	
1 1							Slight NA naphthale	PL coating ene-like or	g, slight dor from	15'-16' and			5.9	0.0	0.0	
1							19 ['] -20'.						11.3	0.0	0.0	
													12.5	0.0	0.0	
-				D	ark								20.9	0.0	0.0	
-20 —		2	57%	G	ray ack-								25.7	4.0	0.0	
		2	37%	Da	ark		Fine-coar	se SAND	, 6" band	s of fine						
				G	ray		NAPL sta	ining and	coating,	strong			52.3	2.0	0.0	
7 /							naphthale	ne-like o	dor.				57	0.0	0.0	
1 1					ark								46.8	0.0	0.0	
-				Ora	ray ange-								42.2	0.0	0.0	
-25 —		3	57%	_ Bro	own								68.4	1.0	0.0	Wet
			0.70				Fine-coar	se SAND	, some fir	ne-coarse					0.0	
СОМ	MENTS: B	oring adv	anced wit	h a 66	20 DT Γ	Direct Push	Geoprobe a	nd sample	ed with a	2" diameter	macroc	ore.				
Borin	ng backfilled	d with cen	nent-bent	onite o	grout to	grade.										

Sampling begins at 15' bgs.

TEST BORING LOG URS Corporation BORING NO.: DGP-295 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S **DESCRIPTION FEET** NO. RQD% ROCK CODE **HARDNESS** gravel. Heavy light-brown staining 31.8 2.0 0.0 and slight coating, strong 0.0 naphthalene-like odor. 33 2.0 52.9 2.0 0.0 39.4 1.0 0.0 53% Light 0.0 0.0 4 43.8 Fine-coarse SAND, trace fine gravel. Brown Strong naphthalene-like odor. Gray 39 0.0 0.0 37.3 0.0 0.0 28.5 0.0 0.0 Light Brown 21.5 0.0 0.0 47% 5 0.0 0.0 0.0 Fine-coarse SAND, trace fine gravel. 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 -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-295**

				IR	25	Cor	rpora	tion			BODING!		E 5 1 E			_0G	
PRO.IF	CT/PRO-IF	CTLOC						Hempstead,	·	BORING I	NO. :		SP-296 OF 2	•			
CLIENT		-01 -00	11101		tional G		GF FDI,	Tiempsteau,	INCW IOI	<u> </u>	JOB NO.				5.00011		
	G CONTRA	ACTOR:		Zek							BORING I				3.0001		
	IDWATER				D' bgs		CAS.	SAMPLER	CORE	TUBE	GROUND						
DATE	TIME	LEVE	L	TYP	E 1	YPE		Macrocore			DATE ST	ARTED:	7/6	6/09			
						DIA.		2-inch			DATE FIN	ISHED:	7/6	6/09			
					V	VT.					DRILLER		Ev	an Mor	riatis		
					F	ALL					GEOLOG	IST:	M.	Dasco	oli		
						* P	OCKET P	ENETROMETE	R READIN	IG	REVIEWE	D BY:	J.	Boyd			
DEPTH FEET	STRATA	SAMPLE NO.	REC		COLOR	,	SOIL ISISTENC ROCK ARDNESS		MATE DESCR	ERIAL IPTION		uscs	MGP COLOR CODE	PID	HCN	H2S	MOISTURI
-10 —		-	65		Light		N/A	No sampl			0'-15' bgs.	SW		0.2	1.0	0.0	Dry
-					Light Brown- Orange Brown	•	IN/A	Fine-coar gravel, tra	se SAND ace silt. N	, trace-fe lo MGP ii	w fine mpact.	5W		0.1 0.1 0.1 0.1	1.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	
-20 —		2	63	1%				Fine-coar	se SAND	, trace fin	e gravel			0.1	0.0	0.0	Moist
1								and silt.	No MGP i	mpact.				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'	1%	Light	4								0.5	1.0	0.0	
			02	. , ,	Orange	-		Fine-coar	se SAND	, some fir	ne-coarse			0.5		3.3	
Borin	MENTS: B g backfille pling begir	d with cer	nent-k					n Geoprobe a	nd sample	ed with a	2" diameter	macroc	ore.				

TEST BORING LOG URS Corporation **BORING NO.: DGP-296** PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY MOISTURE USCS COLOR PID HCN H2S **STRATA** COLOR **DESCRIPTION FEET** NO. **ROCK** RQD% CODE **HARDNESS** gravel. Brown 3.0 0.0 Dark -dark gray heavy petroleum staining, Gray 0.0 strong petroleum-like odor from 26.5'-35.2 3.0 44.4 2.0 0.0 Fine-medium SAND. Strong SP Light 36 2.0 0.0 petroleum odor. Gray 53% SW 0.0 Wet Gray-54.8 2.0 Fine-coarse SAND, some fine gravel. Black Moderate gray-black petroleum Light 52.3 1.0 0.0 staining from 30'-31', strong Brownpetroleum-like odor from 30'-34'. Gray 60.9 1.0 0.0 20.3 2.0 0.0 Fine-medium SAND, trace gravel and 56.9 5.0 0.0 silt. Strong petroleum-like odor. 47% 5 0.0 Light 4.1 2.0 Fine-coarse SAND, some-little fine Browngravel, trace silt. No MGP impact. Orange 0.1 1.0 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. -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.

			U	JR	S	Cor	pora	tion			BORING N		ESI E	30KI 3P-297		_OG	
PROJE	CT/PROJE	ECT LOC						Hempstead,	New Yor	k	SHEET:			OF 2			
LIENT	:			Nat	ional Gr	id					JOB NO. :		11	175065	.00011		
BORING	G CONTRA	ACTOR:		Zeb	ora						BORING L	OCATIO	ON: N/	4			
ROUN	IDWATER	:		~20)' bgs		CAS.	SAMPLER	CORE	TUBE	GROUND	ELEVA.					
DATE	TIME	LEVE	L	TYPI	E T\	/PE		Macrocore			DATE STA			8/09			
						Α.		3.5-inch			DATE FIN			8/09			
					W						DRILLER:			1 C.			
					FA	ALL					GEOLOGI			Harshn	nan		
		<u> </u>		1		_		ENETROMETE	H READIN	G	REVIEWE	DBA:		Boyd		ı	
EPTH EET	STRATA	SAMPLE NO.	REC		COLOR	CON	SOIL SISTENC ROCK RDNESS		MATE DESCR	ERIAL IPTION		USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTUF
)_		-	-	-				No sampl	es collect	ed from (0'-15' bgs.						
_																	
_																	
														150	-		
		1	77	/%	Brown- Light Brown		Loose	Fine-coar gravel.	se SAND	, some fir	ne-coarse	SW		152 208	0 8.0	2.0 4.0	
+														305	18	6.0	
-								-brown N	APL stain	ing, stron	ng			386	28	9.0	
4								naphthale Gray NAF	ne-like o	dor from	18'-20'.			345	59	10	
_			73	00/						g at 13.0							14/04
		2	/3	0 /0				Fine-coar gravel. B						65	0.0	0.0	Wet
								moderate	coating f	rom 20'-2	21'. Strong			362	27	2.0	
								napthaler		_				475	46	3.0	
								Brown NA	APL coatir	ng from 2	23'-25'.			358	76	4.0	
1								/ Fine-coar	se SAND	 . trace-litt	 tle fine \			800	105	6.0	
1		3	80)%			/ledium Dense		trong nap	hthalene	-like odor.			272	25	5.0	

TEST BORING LOG URS Corporation **BORING NO.: DGP-297** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S DESCRIPTION **FEET** NO. ROCK RQD% CODE **HARDNESS** 248 49 9.0 -moderate to heavy brown NAPL 379 12 82 coating and staining from 27'-28'. SM 357 95 12 Fine SILTY SAND. Moderate to heavy brown NAPL coating and 611 120 13 staining. NAPL blebs and product coating at 30'. Strong naphthalene-83% 0.0 80 2.0 like odor. 60 0.0 0.0 Fine SILTY SAND. Slight brown NAPL coating and staining from 30'-67 2.0 0.0 31'. Slight naphthalene-like odor throughout. -trace-little fine-coarse gravel from 20 5.0 0.0 Dense 21 7.0 0.0 34'-35'. End of boring at 35' bgs. -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-297**

			TΠ	R		rpora	4!					ESIE			_OG	
										BORING I	10. :		P-298			
		ECT LOCA			al Grid	MGP PDI,	Hempstead,	New Yor	k	SHEET:			OF 2			
CLIENT					iai Grid					JOB NO.				5.00011		
	G CONTRA			Zebra ~28' bo	ne e	CAS.	SAMPLER	CORE	TUBE	BORING L GROUND						
	NDWATER	1			1	+	Macrocore	CORE	TUBE	DATE STA			20/09			
DATE	TIME	LEVE	<u> </u>	YPE	DIA.		2-inch			DATE FIN			20/09			
					WT.		2-111011			DRILLER			Moraiti	S		
					FALL					GEOLOG			Harshn			
						 POCKET P	L ENETROMETE	R READIN	 G	REVIEWE		J. l	Boyd			
			REC%		 	SOIL	1			1		MGP				
DEPTH	STRATA	SAMPLE		— cc	LOR CO	NSISTENC	Υ		RIAL		USCS	COLOR	PID	нси	H2S	MOISTURE
FEET		NO.	RQD%	·		ROCK IARDNESS		DESCR	IPTION			CODE				
0—		- [-				No second	!!	l f (N 451 bas						
4							ino sampi	es collect	ea trom ()'-15' bgs.						
1																
-5																
+																
-																
_																
-10 —																
1																
-																
4																
_																
-15 —																
-13		1	63%		ight rown	Loose	Fine-coar	se SAND	, trace fin	e gravel.	SW		0.0	0.0	0.0	Dry
1							No MGP i	mpacts.					0.0	0.0	0.0	
+							oomo fi-	o aroual					0.0	0.0	0.0	
+							-some fine	e gravei.					0.0	0.0	0.0	
4													0.0	0.0	0.0	
-20 —		2	62%				Fine-coar	 sa SAND	trace fin	e aravel			0.0	0.0	0.0	
		2	02%				I IIIe-coai	SE SAND	, irace iiii	ie graver.						
													2.0	0.0	0.0	
1							blaster		alales II	in hord-			1.0	0.0	0.0	
1							-black pet of black s	taining, lig	ght petrol	eum			2.0	0.0	0.0	
+							coating, a from 24'-2	nd slight	petroleun	n like odor			5.0	0.0	0.0	
-25 —		3	53%										4.0	0.0	0.0	
			5570				Fine-coar	se SAND	, trace-litt	tle fine				"."		
							n Geoprobe a	nd sample	ed with a	2" diameter	macroc	ore.				
Rorin	ng hackfille	d with cer	nent-her	ntonite	arout to	nrade										

Sampling begins at 15' bgs.

TEST BORING LOG URS Corporation **BORING NO.: DGP-298** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S **DESCRIPTION FEET** NO. RQD% ROCK CODE **HARDNESS** gravel. Black petroleum staining, 0.0 0.0 22 slight petroleum-like odor from 25'-27'. 25 1.0 0.0 Wet 45 1.0 0.0 -liner stained with NAPL, slight naphthalene-like odor from 28'-30'. 48 2.0 0.0 -slight brown NAPL staining from 29'-60% Light Medium SP 0.0 4 63 0.0 Brown-Dense Fine SAND, trace fine gravel at 30'. Gray 110 2.0 0.0 Brown NAPL staining, NAPL-stained liner, slight NAPL coating and 196 2.0 0.0 moderate naphthalene-like odor from 31'-33'. 106 8.0 0.0 54 8.0 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 15' bgs. **BORING NO.: DGP-298**

			U.	RS	C	orp	ora	tion			BORING N		ESIE	3OKI 3P-299		LOG		
ROJE	CT/PROJE	ECT LOC						Hempstead,	New Yor	k	SHEET:			OF 2				
LIEN	Γ:		ı	Nationa	al Gri	d					JOB NO. :		11	175065	5.00011	l		
ORIN	G CONTR	ACTOR:	7	Zebra							BORING LOCATION: N/A							
ROU	NDWATER	:		~23' bg:	s	- (CAS. SAMPLER CORE TUBE				GROUND ELEVATION:N/A							
ATE	TIME	LEVE	L T	YPE	TYI	TYPE		Macrocore			DATE STA	ARTED:	7/1	8/09				
					DIA	DIA. 3.5-inch					DATE FINISHED: 7/18/09							
					WT	:					DRILLER:	1	Ja	n C.				
					FAI	LL					GEOLOG	IST:	J.	Harshn	nan			
						* POCI	KET P	ENETROMETE	R READIN	REVIEWE	D BY:	J.	Boyd					
PTH EET	STRATA	SAMPLE_ NO.	REC%	- coi	LOR	SO CONSIS RO HARD	TENC CK		MATE DESCR	ERIAL IPTION		USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTU	
		-						No sampl	es collect	ed from (0'-15' bgs.							
- - - -		1	78%		own- ange	Loc	ose	Fine-coar	se SAND	, little fine	e gravel.	SW		0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	Dry	
_ _ _ _	2 73%			Lig	Brown- Light Brown			Fine-coar coarse gr coating, n odor.	avel. Ligl	nt clear-c	olored			340 307 325 425 480	1.0 4.0 12 24 32	0.0 0.0 1.0 2.0 2.0	Wet	
4		3	40%					-strong na 25'-29', no	phthalen	e-like odd	or from			390	7.0	2.0		

TEST BORING LOG URS Corporation BORING NO.: DGP-299 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S DESCRIPTION **FEET** NO. RQD% ROCK CODE **HARDNESS** 150 8.0 2.0 103 12 2.0 480 13 3.0 Fine SAND, trace cobbles. Slight black NAPL staining, strong SP 913 39 6.0 naphthalene-like odor. 77% Medium SW 54 0.0 0.0 Fine-coarse SAND, trace fine gravel from 34.5'-35'. Slight naphthalene-like Dense 36 0.0 0.0 odor. 0.0 0.0 14 213 0.0 0.0 0.0 0.0 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 15' bgs. **BORING NO.: DGP-299**

			T'	Ю	2			. =				11	E91 E	OKI	NG I	LUG				
							pora				BORING N	10. :	DG	P-300						
		ECT LOC	ATIO				GP PDI,	Hempstead,	New Yor	k	SHEET:		1	OF 2						
CLIENT	Γ:			Nat	tional G	rid					JOB NO. :				5.00011					
BORIN	G CONTR	ACTOR:		Zel							BORING LOCATION: N/A									
GROUN	NDWATER	l:		~27	7' bgs		CAS.													
DATE	TIME	LEVE	L	TYP	E T	YPE		Macrocore			DATE STARTED: 7/20/09									
						IA.		2-inch			DATE FINISHED: 7/20/09									
						/T.					DRILLER: E. Moraitis									
					F	ALL						OLOGIST: J. Harshman								
		<u> </u>				* P		ENETROMETE	R READIN	G	REVIEWE	D BY:	J. l	Boyd			1			
DEPTH		SAMPLE	RE	C%		CON	SOIL ISISTENC	v	MATERIAL				MGP							
FEET							ROCK		IPTION		USCS	COLOR	PID	HCN	H2S	MOISTURE				
						HA	RDNESS						0052							
0																				
		-		-				No sampl	es collect	ed from 0)'-15'.									
1																				
1																				
-																				
-																				
-5																				
4																				
1																				
1																				
-10 —																				
-																				
4																				
_																				
]																				
-15 —		. 1	57	7%	Orange- Brown		Loose- Medium	Fine-coar	se SAND	, little fine	gravel.	SW		0.0	0.0	0.0	Dry			
1		<u>.</u>					Dense	No MGP i	mpact.					0.0	0.0	0.0				
+														0.0	0.0	0.0				
4														0.0	0.0	0.0				
4														0.0	0.0	0.0				
-20 —			00	20/			l aas -	 -												
		2	63	3%			Loose	Fine-coar No MGP i	se SAND	, trace fin	e gravel.			0.0	0.0	0.0				
								IND MIGP	трасі.					0.0	0.0	0.0				
1		<u>:</u>												0.0	0.0	0.0				
+														0.0	0.0	0.0				
+														0.0	0.0	0.0				
-25 —		3	63	3%			Loose-	Fine-coar	se SAND	 . little fine				0.0	0.0	0.0				
			00	- /-			Loose- Medium	gravel.	-0 0/ 1/10	,	300100			3.0	0.0	0.0				
COM	IMENTS: B	Boring adv	ance	d with	a 6620 l	OT Di	ect Push	Geoprobe a	nd sample	ed with a	2" diameter	macroco	ore.							
	na backfille							•	•											

Sampling begins at 15' bgs.

TEST BORING LOG URS corporation BORING NO.: DGP-300 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S DESCRIPTION **FEET** NO. RQD% ROCK CODE **HARDNESS** Dense 0.0 0.0 0.0 Wet 0.0 0.0 0.0 5.0 0.0 0.0 -stained liner, slight brown NAPL staining and naphthalene-like odor from 29.5'-30'. 36 0.0 0.0 57% 0.0 0.0 Orange-2.0 Fine-coarse SAND, trace fine gravel. Light Brown Faint naphthalene-like odor. 15 22 0.0 20 25 0.0 -slight brown NAPL staining and 14 76 0.0 stained liner from 33'-35'. 27 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 15' bgs. **BORING NO.: DGP-300**

TEST BORING LOG URS Corporation BORING NO.: DGP-301 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S **DESCRIPTION FEET** NO. RQD% ROCK CODE **HARDNESS** 0.0 Orange Dense 0.2 0.0 Fine SAND. No MGP impact. 0.0 0.0 0.8 0.6 0.0 0.0 0.4 0.0 0.0 3 57% Light Medium -faint naphthalene-like odor from 30'-1.0 0.0 2.0 Brown Dense 1.0 0.0 0.0 21 0.0 0.0 0.0 57 0.0 37 0.0 0.0 SW 40% 123 Medium 0.0 0.0 Fine-coarse SAND, some fine-coarse Dense- Dense gravel. Faint naphthalene-like odor. 106 0.0 0.0 0.0 35 0.0 0.0 10 0.0 0.0 0.0 5.0 End of boring at 40' bgs. -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.

	URS Corporation										BORING NO.: DGP-302							
PRO.IF	CT/PROJE	CTLOC					Hempstead,	New Yor	k	SHEET:	NO. :		OF 2					
CLIENT		-01 -00.			al Grid		Пешрысац,	INCW IO	N.	JOB NO. :				5.00011				
	G CONTRA	ACTOR:		Zebra		·				BORING L								
	IDWATER:			~20' bg	 gs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:N/A								
DATE	TIME	LEVE		TYPE	ТҮРЕ	E	Macrocore	Macrocore DATE STARTED: 7/8/09										
					DIA.		2-inch	2-inch DATE FINISHED: 7/8/09										
					WT.					DRILLER:		Ev	an Mor	iatis				
					FALI	L				GEOLOGI	IST:		1. Dascoli					
					<u> </u>	* POCKET P	ENETROMETE	R READIN	G	REVIEWE	D BY:	J.	Boyd					
DEPTH		CAMBLE	REC%	- 1		SOIL CONSISTENC	.v	MATE	RIAL			MGP						
FEET	I STRATATE TO TOOL					ROCK		DESCR			uscs	COLOR	PID	HCN	H2S	MOISTURE		
						HARDNESS						0052						
0												1		ı				
		-	-				No sample	es collect	ed from 0)'-10' bgs.								
7																		
1																		
-5-																		
-																		
-																		
-																		
-10 —		,									0111							
		1	77%	Ві	rown	N/A	Fine-coars trace silt.	se SAND	, some fir	ne gravel,	SW		0.0	0.0	0.0	Moist		
							trace siit.	NO MAI	iiipact.				0.0	0.0	0.0			
													0.0	0.0	0.0			
1													0.0	0.0	0.0			
1													0.0	0.0	0.0			
-15 —		2	67%										0.0	0.0	0.0			
-													0.0	0.0	0.0			
-													0.0	0.0	0.0			
-													0.0	0.0	0.0			
4													0.0	0.0	0.0			
-20 —		2	50%													\\/at		
		3	50%										0.0	0.0	0.0	Wet		
													0.0	0.0	0.0			
							<u> </u>						0.0	0.0	0.0			
7							Fine-coars No MGP i		, trace fin	e gravel.			0.0	0.0	0.0			
-								'					0.2	17	0.0			
-25 —		4	67%	L	ight rown		Fine SAN	D, trace s	silt. Mode	erate dark	SM		0.0	0.0	0.0			
	MENTS: B						n Geoprobe ar	nd sample	ed with a	2" diameter	macroco	ore.						

Sampling begins at 10' bgs.

TEST BORING LOG URS Corporation BORING NO.: DGP-302 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S DESCRIPTION **FEET** NO. RQD% ROCK CODE **HARDNESS** 0.0 brown NAPL staining, slight 0.0 0.0 naphthalene-like odor. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -some fine-coarse gravel from 29.5'-72% 2.0 0.0 5 20.3 -slight light brown-gray staining, strong naphthalene-like odor from 30'-46.4 2.0 0.0 77.2 1.0 0.0 83.6 2.0 0.0 -slight NAPL coating in 1/4" lense at 33.5'. 24.5 17 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-302**

PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York	BORING NO.: DGP-303								URS Corporation												
DOE NO.: 11175065.00011	SHEET: 1 OF 2								PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York												
Cas. Sampler Core Tube GROUND ELEVATION:N/A	JOB NO. : 11175065.00011																				
DATE TIME													ora	Zeb		ACTOR:	G CONTRA	BORIN			
DIA	GROUND ELEVATION: N/A								CORE	SAMPLER	CAS.)' bgs	GROUNDWATER: ~10' bgs							
WT. DRILLER: Luke	DATE STARTED: 9/22/09								TYPE Macrocore					TIME LEVEL TYPE							
FAIL GEOLOGIST: J. Harshman POCKET PENETROMETER READING REVIEWED BY: STRATA SAMPLE ROD% ROD% COLOR RODK ROCK HARDNESS MATERIAL DESCRIPTION USCS CODE PID HCN H2S ROCK HARDNESS ROCK									2-inch			DIA.	D								
POCKET PENETROMETER READING REVIEWED BY:												VT.	w								
STRATA SAMPLE REC% NO. ROD% COLOR CONSISTENCY ROCK ROC			nan	Harshm	J. I			FALL													
STRATA SAMPLE NO. ROD% ROD% RODK ROCK ROCK ROCK ROCK ROCK DESCRIPTION USCS COLOR						D BY:	REVIEWE	IG	R READIN	* P		<u> </u>	_								
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. SP 10 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	MOISTURI	H2S	HCN	PID	COLOR	USCS					ISISTENCY ROCK	` <u> </u>	COLOR		┞ —		STRATA	DEPTH FEET			
10																		0			
10 — 1 70% Orange Loose-Medium Dense Fine-coarse SAND, trace fine gravel. SW 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	·																	0			
10 — 1 70% Orange Loose-Medium Dense Fine-coarse SAND, trace fine gravel. SW 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0																		1			
10 — 1 70% Orange Loose-Medium Dense Fine-coarse SAND, trace fine gravel. SW 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.																		1			
10 — 1 70% Orange Loose-Medium Dense Fine-coarse SAND, trace fine gravel. SW 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0																		1			
10 — 1 70% Orange Loose-Medium Dense Fine-coarse SAND, trace fine gravel. SW 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0																		1			
1																		-5 —			
1																		+			
1																		+			
1																		+			
1																		-			
Medium Dense	Wet	0.0	0.0	0.0		SW			0.4415		Loose-	:	Orange	70%	+ .	1		10 — -			
14.25'. Faint naphthalene-like odor throughout. 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			rom 14'-	staining fi	ck NAPL	Slight bla								4			
Fine SAND. Slight black NAPL staining, faint naphthalene-like odor. Fine SAND. Faint naphthalene-like odor. Fine SAND. Faint naphthalene-like odor. 5.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0							ke odor	thalene-lil										4			
15 2 78% Fine SAND. Slight black NAPL staining, faint naphthalene-like odor. Fine SAND. Faint naphthalene-like odor. Fine SAND. Faint naphthalene-like odor. 5.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0										J								4			
Fine SAND. Slight black NAPL staining, faint naphthalene-like odor. Fine SAND. Faint naphthalene-like odor. Fine SAND. Faint naphthalene-like odor. 5.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0																		4			
staining, faint naphthalene-like odor. Light Brown Fine SAND. Faint naphthalene-like odor. 5.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0						OD	\PL	black NA	D. Slight	Fine SAN				700/	<u> </u>			15 —			
Brown Brown Fine SAND. Faint naphthalene-like odor.						SP	ke odor.	thalene-li 	aint naph	staining, f			<u> </u>	/8%		2					
							ene-like	naphthale	D. Faint												
										ouoi.						•					
		0.0	0.0	0.1												•					
		0.0	0.0	0.0												•		_ 1			
20 - 3 70% Fine SAND. No MGP impact. 0.0 0.0 0.0		0.0	0.0	0.0			 ct.	 GP impac	D. No M	Fine SAN				70%	1	3		20 —			
		0.0	0.0	0.0				-								•		1			
Medium Pages Pages Fine-coarse SAND and GRAVEL. No SW-GW 0.0 0.0 0.0		0.0	0.0	0.0		SW-GW	AVEL. No	and GRA	se SAND	Fine-coar		n-				-		+			
Dense- Dense MGP impact.		0.0	0.0	0.0			· · · ·				nse- Dense	De						+			
Orange Medium Fine-medium SAND. No MGP impact. SP 0.0 0.0 0.0		0.0	0.0	0.0		SP	3P impact	D. No MC	ium SAN	Fine-med		;	Orange	-				+			
25 4 63% Light SW 0.0 0.0 0.0		0.0	0.0	0.0		SW					Dense		Light	63%		4		25 —			
_ <mark>∵∵∵∵∵</mark> Brown Fine-coarse SAND, little fine gravel.		İ					gravel.	, little fine	se SAND	Fine-coar					1	į		_			

			UR	S a	BORING NO.: DGP-303								
PROJE	CT: Nation	nal Grid N	MGP PDI, H		SHEET:								
	: National		widi i bi, i	iciiipsica	a, new rork		JOB NO. :						
OLILIVI	· Hational		REC%	1	SOIL		OOD NO.	111700	MGP				
DEPTH FEET	STRATA	SAMPLE NO.	RQD%	COLOR	CONSISTENCY ROCK HARDNESS	MATERIAL DESCRIPTION		USCS	COLOR	PID	HCN	H2S	MOISTURE
						No MGP impact.				0.0	0.0	0.0	
1										0.0	0.0	0.0	
1										0.0	0.0	0.0	
-										0.0	0.0	0.0	
-30 —						End of boring at 30' bgs.							
-35 —													
+													
-													
-													
-													
-40 —													
-45 —													
-													
-													
-													
-													
-50 —													
-55 —													
-													
+													
COM	MENTS R	oring adv	anced with	a 7720 D	T Direct Push G	Geoprobe and sampled with a	2" diameter	macroco	ore.				
Borin	g backfille	d with bei	ntonite grou	it to grade).	The same of the sa							
Sam	pling begin	is at 10' b	gs.										

	URS Corporation											BORING NO.: DGP-304							
DDO IE	CT/DDO II	ECTLOC						1	10. :										
CLIENT		ECT LOCA		Nation			<u> </u>	Hempstead,	New for	K	SHEET: JOB NO. :			OF 2					
		ACTOR:		Zebra		<u> </u>					JOB NO. : 11175065.00011 BORING LOCATION: N/A								
	G CONTRA			~23' b			CAS.	SAMPLER	CORE	TUBE									
DATE	TIME	LEVE	1	TYPE	1	YPE	OAC.	Macrocore	00	.02_	DATE STARTED: 7/8/09								
DA12	1	+	-		DI		 		3.5-inch										
		+	_		w			0.0	 		DRILLER:			Jan C.					
		+				ALL					GEOLOGIST: M. Dascoli								
		+			+	* P(OCKET P	LENETROMETE	ER READIN	IG	REVIEWE	D BY:	J. 1	Boyd					
		\vdash	REC%	4		\Box	SOIL	$\overline{1}$					MGP				Τ		
DEPTH FEET	STRATA	LCAMPIEL I				F	ISISTENC ROCK ARDNESS			ERIAL RIPTION		uscs	1	PID	HCN	H2S	MOISTURE		
0—	 	-	-	\neg		T		T No samp	laa aallaai	tad from (0'-20' bgs.				Τ	T	T		
-	'							Νυ δαπιρι	es coneci	eu Irom o)-∠∪ uyə.								
-	'																		
	'																		
	'																		
-5 —	'	1																	
-5-	'	1																	
	'	1																	
+	'	1																	
-	'																		
-	'																		
-10 —	'																		
	'																		
	'																		
	'																		
	'	1																	
-	'	1																	
-15 —	'	1																	
-	'	1																	
-	'	1																	
	'																		
	'	1																	
	'	1																	
-20 —		1	72%		range- Brown		N/A	Fine SAN	ND, some	fine grave	el from	SP		0.1	0-1	0.0	Moist		
-		1			IOWII			20'-20.5'.	. No MGP	'impact.				0.1	0-2	0.0			
-		1						Fine con		little fine	araval	SW	-	0.1	0-1	0.0			
-		4						trace silt.	rse SAND No MGP	, iittie iirie ' impact.) gravei,			0.1	0-2	0.0	Wet		
-		1												0.0	0.0	0.0			
-25 —				\perp															
		2	93%		Dark Brown			/ Fine-med	Jium SAN	D, trace fi	ine gravel.			0.0	0.0	0.0			
-						-		r		-,			- ,	,	1	'	•		
COM	MENTS: E	Roring adv	anced v	with a 8		T Dir	rect Push	n Geoprobe a	and sample	ed with a	3.5" diamete	er macro	ocore.						
Borin	ng backfille	d with cen	ment-ber					1 GOOD! 000 G	IIG Garrier	Ju Willia	0.0 0.0	// IIIQ0: 0	,001C.						
Sam	pling begin	is at 20' b	gs.					-											

TEST BORING LOG URS Corporation BORING NO.: DGP-304 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S DESCRIPTION **FEET** NO. RQD% ROCK CODE **HARDNESS** SW 0.0 Orange-0.0 0.0 No MGP impact. Brown SM Dark 0.0 0-1 0.0 Fine SAND. Trace silt at 29'. Brown 0.0 0-1 0.0 -NAPL sheen from 28'-31'. -dark brown NAPL staining, four 1" 17.4 5.0 0.0 lenses of slight coating from 29'-30'. -faint naphthalene-like odor from 30'-3 100% Light 2.0 0.0 8.0 Brown 0.7 2.0 0.0 0.5 2.0 0.0 8.0 2.0 0.0 2.1 2.0 0.0 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-304**

			UR	LS	Cor	mora:	tion			BORING N		ESIE	30KI 3P-305		<u>-OG</u>	
PROJE	CT/PROJE	ECT LOC/					Hempstead,	New Yor		SHEET:	10		OF 2			
CLIENT				ational		<u> </u>	Tiempsteau,	1101		JOB NO. :				5.00011		
	G CONTRA	ACTOR:		bra						BORING L				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	NDWATER:			25' bgs		CAS.	SAMPLER	CORE	TUBE	GROUND						
DATE	TIME	LEVEL	L TYP	'E	TYPE		Macrocore			DATE STA	ARTED:	7/2	22/09			
		1		\perp	DIA.		2-inch			DATE FIN	ISHED:	7/2	22/09			
					WT.					DRILLER			an Mor			
					FALL					GEOLOG			Harshn	nan		
					* P(OCKET PE	ENETROMETE	R READIN	iG	REVIEWE	D BY:	J.	Boyd			
DEPTH FEET	STRATA	SAMPLE_ NO.	REC%	COLO	ŭ"	SOIL ISISTENC ROCK ARDNESS		MATE DESCR	ERIAL		uscs	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
-10		1	67%	Ligh Brow		Loose- Medium	No sample				SW		0.0	0.0	0.0	Wet
							n Geoprobe ar	nd sample	ed with a	2" diameter	macroco	ore.				
	ng backfilled pling begin		nent-bentor gs.	nite gr	out to gr	rade.										

TEST BORING LOG URS corporation BORING NO.: DGP-305 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S FEET DESCRIPTION NO. RQD% ROCK CODE **HARDNESS** Dense No MGP impact. 0.0 0.0 0.0 0.0 0.0 0.0 Loose 0.0 0.0 0.0 0.0 0.0 0.0 2 97% Medium SP 0.0 0.0 0.0 Fine SAND, trace silt at 34.5'. No Dense 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 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.

			UF	Sc	•	`or	pora	tion			DODING I		ESIE			_OG	
PRO IF	CT/PRO-IF	ECT LOC						Hempstead.	Now Vo		BORING N	10. :		3P-306 OF 2			
CLIENT					al Gri		<u> </u>	пешрѕеац	, New 101	<u> </u>	JOB NO. :				5.00011		
	G CONTRA	ACTOR:		ebra							BORING L).000		
	NDWATER:			30' bg	 as		CAS.	SAMPLER	CORE	TUBE	GROUND						
DATE	TIME	LEVEL		PE	1	/PE		Macrocore	+		DATE STA			20/09			
	<u>.</u>		_		DIA			2-inch	+		DATE FIN			20/09			
		1			wT	т.			<u> </u>		DRILLER:	:	E.	Moraiti	S		
		1			FA	ALL					GEOLOGI	IST:	J. I	Harshn	nan		
						* PC	OCKET P	ENETROMETE	ER READIN	iG	REVIEWE	D BY:	J. I	Boyd			
DEPTH FEET	STRATA	SAMPLE_ NO.	REC%	со	DLOR	CONS	SOIL ISISTENC ROCK ARDNESS			ERIAL RIPTION		USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
-10		1	60%	Ora Br	ange- rown		- Medium Dense		oles collect			SW		0.0	0.0	0.0	Dry
Borin	IMENTS: Bang backfilled	d with cen	nent-bento					n Geoprobe a	ınd sampl	ed with a	2" diameter	macroco	ore.				

TEST BORING LOG URS Corporation BORING NO.: DGP-306 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S **DESCRIPTION FEET** NO. RQD% ROCK CODE **HARDNESS** gravel. No MGP impact. 0.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2 60% 0.0 0.0 Wet 0.0 Fine-coarse SAND, little fine-coarse gravel. 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 52% 3 Light 0.0 0.0 Loose-0.0 Fine-coarse SAND, trace fine gravel. Brown-Gray Medium Dense Very faint naphthalene-like odor. 0.0 0.0 0.0 0.0 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 End of boring at 40' bgs. -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-306**

			TI	DC		.	ora	45					ESIE			_OG	
											BORING I	10. :		3P-307			
		ECT LOCA					P PDI,	Hempstead,	New Yor	k	SHEET:			OF 2			
CLIENT					nal Grid	d					JOB NO.				5.00011	<u> </u>	
	G CONTRA			Zebra							BORING L						
	IDWATER	1		~23' bo	1		CAS.	SAMPLER	CORE	TUBE	GROUND						
DATE	TIME	LEVE	L T	ГҮРЕ	TYF			Macrocore			DATE STA			21/09			
			_		DIA			2-inch			DRILLER:			Moraiti			
		+	+		WT.						GEOLOG			Harshn			
		+	+		FAL		CKET DI	ENETDOMETE	D DEADIN	I.C.	REVIEWE			Boyd			
		 		$\overline{}$	\perp		SOIL	ENETROMETE	- READIN	<u> </u>	LEVIEWE	. Б Б Т .	Т			_	Т
DEPTH	STRATA	SAMPLE	REC%	- 1	DLOR		SISTENC	Υ	MATE	RIAL		USCS	MGP COLOR	PID	HCN	H2S	MOISTURE
FEET	SIRAIA	NO.	RQD%	, 00	Lon [OCK RDNESS		DESCR	IPTION		0303	CODE			0	
		<u> </u>					DIVLOG										<u> </u>
0-		- T											Т				T
4						ı		No sample	es collect	ed from (0'-20' bgs.						
						ı											
						ı											
						ı											
7 /						ı											
-5						ı											
-						ı											
-						ı											
4						ı											
						ı											
10						ı											
-10 —						ı											
1 1						ı											
-						ı											
-						ı											
4						ı											
-15 —						ı											
						ı											
						ı											
1 1						ı											
-						ı											
-						ı											
-20 —	•••••	1	53%	Or	ange-		oose-					SW		0.0	0.0	0.0	
			30 70	L	_ight	Me	edium Dense	Fine-coar	se SAND.	, some fir	ne-coarse						
					rown	י	ense	gravon. IV	o Mar III	ipaot.				0.0	0.0	0.0	
]]						ı								0.2	0.0	0.0	
						ı								0.2	0.0	0.0	Wet
-						ı								0.0	0.0	0.0	
-25 —	· · · · · · · · · · · · · · · · · · ·	2	65%	+	_ight	M	edium	-				SP	-	0.0	0.0	0.0	
					rown		ense	Fine SAN	D, trace s	ilt at 28'.	No MGP						
СОМ	MENTS: B	oring adva	anced w	<i>i</i> ith a 6	620 DT	Γ Dire	ct Push	n Geoprobe ai	nd sample	ed with a	2" diameter	macroco	ore.				

Boring backfilled with cement-bentonite grout to grade.

Sampling begins at 20' bgs.

TEST BORING LOG URS Corporation BORING NO.: DGP-307 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S DESCRIPTION **FEET** NO. RQD% ROCK CODE **HARDNESS** 0.0 impact. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 60% SM 0.0 0.0 3 0.0 Fine SILTY SAND. No MGP impact. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Fine-coarse SAND, some fine gravel. SW 0.0 0.0 0.0 No MGP impact. SP 40% 10 0.0 0.0 Loose-Fine-medium SAND. Faint Medium Dense naphthalene-like odor. 10 0.0 0.0 0.0 0.0 11 0.0 25 0.0 20 0.0 0.0 End of boring at 40' bgs. -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-307**

			τ	JR	K	C	or	pora	tion			BORING N		ESI E	SP-308		_OG	
PROJE	CT/PROJE	ECT LOC							Hempstead,	New Yor	·k	SHEET:	10		OF 2			
CLIENT						al Gric		л D.,	nempoteda,	11011 101	<u></u>	JOB NO. :	<u> </u>			5.00011		
	G CONTRA	ACTOR:		Zeb	ora							BORING I						
	IDWATER			~27	7' bg	S		CAS.	SAMPLER	CORE	TUBE	GROUND	ELEVA	TION:N/	4			
DATE	TIME	LEVE	L	TYPI	E	TYF	Έ		Macrocore			DATE STA	ARTED:	7/2	20/09			
						DIA			2-inch			DATE FIN	ISHED:		20/09			
						WT.						DRILLER			Moraiti			
						FAL						GEOLOG			Harshn	nan		
									ENETROMETE	R READIN	IG	REVIEWE	D BY:		Boyd	1		Ι
DEPTH	CTDATA	SAMPLE	RE	EC%	00			SOIL SISTENC	Y	MATE	ERIAL			MGP COLOR	PID	HCN	H2S	MOISTURE
FEET	STRATA	NO.		%סג	00	LOR	F	ROCK RDNESS		DESCR	IPTION		USCS	COLOR	l II		1123	MOISTOIL
							117	IIDINESS										
0—		-		-					Τ							1		
-									No samp	les collect	ed from ()'-25'.						
4																		
_																		
4																		
-5—																		
. 1																		
-10 —																		
-																		
+																		
+ 1																		
-																		
-15 —																		
-																		
-																		
-20 —																		
1																		
_																		
-25 —		1	5	7%		own- ght		Loose	Fine-coar	se SAND	little fine	a-coarse	SW		0.0	2.0	0.0	
		1 I		I	ı Li	yııı			i ine-coai	JC OAND	, 11110 11110	, coarse	I	1	l	ı	l	
COM	MENTS: R	Soring adv	ance	ed with	a 66	20 DT	Dir	ect Push	Geoprobe a	nd sample	ed with a	2" diameter	macroco	ore.				
	ia backfille								. 300pi000 a	a campi	······ a							

Sampling begins at 25' bgs.

TEST BORING LOG URS Corporation BORING NO.: DGP-308 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S **DESCRIPTION FEET** NO. RQD% ROCK CODE **HARDNESS** Brown gravel. No MGP impact. 0.0 1.0 0.0 Wet 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 SP Fine SAND. No MGP impact. 2 57% Light Medium 10 0.0 0.0 Brown Dense 0.0 0.0 0.0 0.0 4.0 0.0 0.0 10 0.0 0.0 0.0 0.0 SW 53% Gray-Dark 3 0.0 0.0 0.0 Fine-medium SAND, trace little fine gravel. Very faint naphthalene-like Gray 0.0 12 0.0 odor. 12 0.0 0.0 0.0 1.0 8.0 0.0 4.0 0.0 End of boring at 40' bgs. -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.

TEST BORING LOG URS Corporation **BORING NO.: DGP-309** PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York 1 OF 2 SHEET: **National Grid** CLIENT: JOB NO.: 11175065.00011 **BORING LOCATION:** N/A **BORING CONTRACTOR:** Zebra **GROUNDWATER:** ~25' bgs **GROUND ELEVATION: N/A** CAS. SAMPLER CORE TUBE **DATE STARTED:** 7/21/09 TIME DATE LEVEL **TYPE TYPE** Macrocore **DATE FINISHED:** 7/21/09 DIA. 2-inch DRILLER: E. Moraitis WT. J. Harshman **GEOLOGIST: FALL** J. Boyd * POCKET PENETROMETER READING **REVIEWED BY:** SOIL MGP REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY COLOR PID HCN H2S MOISTURE COLOR **STRATA** USCS DESCRIPTION **FEET** NO. **ROCK** RQD% CODE **HARDNESS** N/A Dark SW Dry Loose 0.0 0.0 0.0 Loamy fine-coarse SAND, little fine-Brown coarse gravel, trace silt. No MGP 0.0 0.0 0.0 impact. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 SM 0.0 0.0 0.0 Fine-coarse SILTY SAND, little fine gravel. 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 -10 20% Light SW 0.0 0.0 0.0 Fine-coarse SAND, some finemedium gravel. 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 -15 77% Light 0.0 0.0 0.0 Fine-coarse SAND, trace-little fine Browngravel. No MGP impact. Orange 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 87% 5 0.0 0.0 0.0 0.0 0.0 0.0 28 0.0 0.0 Fine-coarse SAND, little fine gravel. 0.0 0.0 Black petroleum staining and light petroleum coating, moderate 15 0.0 0.0 petroleum-like odor. -25 67% SF 17 0.0 0.0 Wet Light Fine-medium SAND. Slight Gray-

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.

TEST BORING LOG URS Corporation **BORING NO.: DGP-309** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY MOISTURE STRATA USCS COLOR PID HCN H2S COLOR **DESCRIPTION FEET** NO. ROCK RQD% CODE **HARDNESS** Light petroleum-like odor. 30 0.0 0.0 Brown 0.0 48 0.0 Fine-coarse SAND and fine GRAVEL. Brown SW-GW 60 0.0 0.0 Heavy petroleum-like staining and coating. Moderate-strong petroleum-60 0.0 0.0 like odor. 63% SW 0.0 Brown-18 0.0 Fine-coarse SAND, some fine-coarse Light gravel. Moderate petroleum coating Brown 30 0.0 0.0 and brown-clear petroleum staining from 33'-35'. Moderate petroleum-like 70 0.0 0.0 odor, and brown liner staining from 33'-35'. 44 1.0 0.0 70 0.0 0.0 57% 8 Light 70 0.0 0.0 Fine-coarse SAND, some fine-coarse Brown gravel. Light clear-brown colored 20 1.0 0.0 petroleum staining, slight-moderate petroleum-like odor. 17 0.0 0.0 0.0 20 1.0 0.0 0.0 End of boring at 40' 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. Boring hand cleared to 5' bgs.

TEST BORING LOG URS Corporation **BORING NO.: DGP-310** PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York SHEET: 1 OF 2 **National Grid** CLIENT: JOB NO.: 11175065.00011 **BORING LOCATION:** N/A **BORING CONTRACTOR:** Zebra ~27' bgs **GROUNDWATER:** CAS. SAMPLER CORE TUBE **GROUND ELEVATION: N/A DATE STARTED:** 7/21/09 DATE TIME LEVEL **TYPE TYPE** Macrocore **DATE FINISHED:** 7/21/09 DIA. 2-inch DRILLER: E. Moraitis WT. J. Harshman **GEOLOGIST: FALL** J. Boyd * POCKET PENETROMETER READING **REVIEWED BY:** SOIL MGP REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY PID HCN H2S MOISTURE COLOR COLOR **STRATA** USCS **DESCRIPTION** FEET NO. **ROCK** RQD% CODE **HARDNESS** N/A SW-GW Dark Loose 0.0 0.0 0.0 Dry Loamy fine-coarse SAND and fine-Brown coarse GRAVEL. 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 63% Medium SW Moist 0.0 0.0 0.0 Fine-coarse SAND, some fine-coarse Dense gravel and silt. No MGP impact. 0.0 0.0 0.0 0.0 0.0 0.0 Light Loose 0.0 0.0 0.0 Fine-coarse SAND, some fine-coarse Brown gravel. No MGP impact. 0.0 0.0 0.0 -10 70% Orange 0.0 Dry 3 0.0 0.0 Light Brown 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -15 80% 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 -20 5 83% Light 0.0 0.0 0.0 Brown-Dark 0.0 0.0 0.0 Brown 0.0 0.0 0.0 0.0 0.0 0.0 4 0 0.0 0.0 -25 87% SW-GW 0.0 0.0 0.0 Moist Orange-Loose-Fine-coarse SAND and fine GRAVEL. Medium Light

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.

TEST BORING LOG URS Corporation **BORING NO.: DGP-310** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY MOISTURE STRATA USCS COLOR PID HCN H2S COLOR **DESCRIPTION FEET** NO. ROCK RQD% CODE **HARDNESS** Brown Dense 0.5 1.0 0.0 Wet 0.0 0.0 28 -clear-brown petroleum staining, slight petroleum coating, moderate 31 0.0 0.0 petroleum-like odor from 27'-30' 40 0.0 0.0 57% Brown Medium 0.0 0.0 Fine-coarse SAND and GRAVEL. Dense Light petroleum coating with clear-0.0 0.0 brown color, moderate-strong petroleum odor throughout. 45 0.0 0.0 -moderate-heavy gray-black 60 0.0 0.0 petroleum staining from 33'-34'. 50 0.0 0.0 SW 37% 8 Light 50 0.0 0.0 Loose Fine-coarse SAND, little fine-coarse Brown gravel. Lightly coated with clear-65 0.0 0.0 brown petroleum-like material. Light petroleum staining, moderate 40 0.0 0.0 petroleum-like odor. 0.0 25 0.0 0.0 0.0 End of boring at 40' bgs. -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**

			ŢΠ	RS		rporat	tion.					ESIE		NG I	LOG	
DDO IF	CT/DDA II	-CT CC						Navy Y	1-	BORING N	NO. :		iP-311			
CLIENT		ECT LOC		Nationa Nationa		/IGP PDI, I	Hempstead,	New Yor	K	SHEET: JOB NO. :			OF 2	. 00011		
		ACTOD:		Nationa Zebra	ai Gilu					BORING L				5.00011	1	
	G CONTRA			zebra ~22' bg	 S	CAS.	SAMPLER	CORE	TUBE	GROUND						
DATE	TIME	LEVE		YPE	TYPE	UAG.	Macrocore	JOILE	·ODE	DATE STA			/09			
DAIL			-		DIA.		2-inch			DATE FIN			/09			
					WT.					DRILLER	:	Ev	an Mor	aitis		
					FALL					GEOLOG	IST:	M.	Dasco	li		
					* 1	POCKET PE	NETROMETE	R READIN	G	REVIEWE	D BY:	J. l	Boyd			
			REC%	\Box		SOIL				l		MGP				
DEPTH FEET	STRATA	SAMPLE NO.			LOR CO	NSISTENC' ROCK	<u>r </u>	MATE DESCR			uscs	COLOR	PID	HCN	H2S	MOISTURE
FEET		140.	RQD%		н	ARDNESS		DECON				CODE				
0		-	-				No sampl	es collect	ed from ()'-10' bgs.						
+																
+																
-																
_																
-5—																
1																
1																
1																
-10 —	[·····	1	65%		ed-	Medium	Coarco fi	20 SAND	como fir	ne-medium	SW		0.0	1.0	0.0	Dry
+				Bro	own	Dense	gravel. N			ie-mediam			0.0	0.0	0.0	
-													0.0	1.0	0.0	
4				1:	a b t								0.1	0.0	0.0	
					ght own		Fine-med trace silt.									
-15 —							lidoc siit.		paoto.				0.0	0.0	0.0	
-13		2	57%	Li _e Bro	ght wn-		Fine-coar	se SAND	, some fir	ne-			0.0	3.0	0.0	
				Ora	ınge		medium g impacts.	ravel, tra	ce silt. N	o MGP			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	57%										0.0	0.0	0.0	Moist
_							Fine-coar	se SAND	. No MG	P impacts.			0.0	0.0	0.0	
											0111					
				Bro	own		Fine-med				GW		0.0	0.0	0.0	Wet
							coarse sa impacts.	па, ггасе	SIIL. INO I	viGP			0.0	0.0	0.0	
1	70:												0.0	0.0	0.0	
-25 —		4	53%		ed-		[:	00 04110	Balla Co	modi	SW	1	0.0	0.0	0.0	
	·········	1		l Bro	own		Fine-coar	se SAND	, little fine	e-medium	l	i l		l	I	I
																1
COM	MENTS: B	Boring adv	anced w	ith a 66	20 DT D	irect Push	Geoprobe a	nd sample	ed with a	2" diameter	macroco	ore.				

Boring backfilled with cement-bentonite grout to grade.

Sampling begins at 10' bgs.

TEST BORING LOG URS Corporation BORING NO.: DGP-311 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S DESCRIPTION **FEET** NO. RQD% ROCK CODE **HARDNESS** 0.0 0.0 gravel, trace silt. No MGP impacts. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 47% 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 47% 6 0.0 0.0 0.0 Fine-coarse SAND, trace fine gravel. 0.0 0.0 0.0 No MGP impacts. 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 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**

No samples collected from 0'-15' bgs. No s				-	i P					4-				11	=51 E	UKI	NG I	LOG	
CLIENT:												_		NO. :					
BORING CONTRACTOR:			ECT LOC	ATIC					P PDI,	Hempstead,	New Yor	k							
Color							al Gri	id									5.00011	<u> </u>	
DATE TIME LEVEL TVPE DIA. 2-inch DATE FINISHED: 7/1/09										T									
DIA 2-inch DATE FINISHED: 7/11/09 WT. DRILLER: Evan Moraliis Evan	1				1				CAS.	-	CORE	TUBE							
WT. DRILLER: Evan Moralits	DATE	TIME	LEVE	L	TYP	PΕ		_											
FAIL POCKET PENETROMETER READING REVIEWED BY: J. Boyd										2-inch							raitia		
POCKET PENETROMETER READING REVIEWED BY: J. Boyd																			
DEPTH STRATA SAMPLE RC% NO. ROD% COLOR COLOR COLOR CONSISTENCY ROCK HARDNESS No samples collected from 0'-15' bgs. No samples collected fr							FA										''''		
STRATA SAMPLE REC'S NO. ROOK ROO						\vdash				ENETROMETE	H KEADIN	G	REVIEWE	DBA:		Боуи	1	I	
No samples collected from 0'-15' bgs. No samples collected from 0'-15' bgs. No samples collected from 0'-15' bgs. Fine GRAVEL, little fine-coarse sand, trace sint. No MGP impacts. Tan. Orange Fine-coarse SAND, trace fine gravel and silt. No MGP impacts. SW 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	DEPTH FEET	STRATA				со	LOR	CONS	SISTENC OCK					uscs	COLOR	PID	HCN	H2S	MOISTUR
10	0		-		-					No sampl	es collect	ed from 0)'-15' bgs.						
Tan-Orange Tan-Orange Tan-Orange Tine-coarse SAND, trace fine gravel and silt. No MGP impacts. Fine-coarse SAND, some fine-medium gravel, trace silt. No MGP impacts. Fine-coarse SAND, some fine-medium gravel, trace silt. No MGP impacts. Fine-coarse SAND, trace silt and fine gravel. No MGP impacts. Light Orange- Light Orange- CDAVIL trace silt. No MGP impacts. SW 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.	-																		
Orange-Brown Fine-coarse SAND, some fine-medium gravel, trace silt. No MGP impacts. Fine-coarse SAND, trace silt and fine gravel. No MGP impacts. Fine-coarse SAND, trace silt and fine gravel. No MGP impacts. CPAYIL trace silt. O.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	15 —		1		45%	Ta	an-		N/A	trace silt. Fine-coar	No MGP se SAND	impacts. , trace fin				0.8	0.0	0.0	Dry
Orange-Brown Fine-coarse SAND, some fine-medium gravel, trace silt. No MGP impacts. Fine-coarse SAND, trace silt and fine gravel. No MGP impacts. Fine-coarse SAND, trace silt and fine gravel. No MGP impacts. CPAYIL trace silt. O.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-															0.5	0-1	0.0	
Brown 2 55% Brown Dark Brown Dark Brown Dark Brown Dark Brown Dark Brown Fine-coarse SAND, trace silt and fine gravel. No MGP impacts. Dark Brown Fine-coarse SAND and fine-medium CPAYCL trace silt. SW-GW 0.0 0.0 0.0 0.0 0.0	4	· · · · · · · · · · · · · · · · · · ·				Oro	inge-			<u> </u> -									
Brown Fine-coarse SAND, trace silt and fine gravel. No MGP impacts. 0.0	20 —		2	į	55%					medium g						-			
gravel. No MGP impacts. Dight	+									Fine-coar	se SAND	trace sil	t and fine			0.0	0.0	0.0	
Light Orange-	+					Bro	own						t and into			0.0	0.0	0.0	
Orange- Fine-coarse SAND and fine-medium	4					1 1	aht							SW-GW					
						Ora	inge-						-medium	3,1,1,0,1					
25 - 1.5" on black NAPL staining, strong naphthalene-like odor at 25'.	25 —		3	(62%	Bro	υWΠ			-1.5" on b	lack NAP	L staining	g, strong						

TEST BORING LOG URS Corporation BORING NO.: DGP-312 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S **DESCRIPTION FEET** NO. RQD% ROCK CODE **HARDNESS** 0.0 Brown 0.1 0.0 -no MGP impacts from 26.5'-31'. 0.0 0.0 0.1 0.1 0.0 0.0 0.1 0.0 0.0 53% 0.0 0.0 0.0 Light SW 0.0 0.0 0.0 Fine-medium SAND, trace fine gravel. Orange-No MGP impacts. Brown 0.0 0.0 0.0 0.0 0.0 0.0 Fine-medium GRAVEL, little finecoarse sand, trace silt. No MGP GW 0.0 0.0 0.0 Wet impacts. SW 45% 5 Tan 0.0 0.0 0.0 Fine-coarse SAND, trace fine-medium gravel, trace silt. 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 End of boring at 40' bgs. -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-312**

			T	R	<u>S</u>	~		41					E31 E			_0G	
	OT/DDO 15										BORING I	NO. :		3P-313			
		ECT LOCA	ATION				iP PDI,	Hempstead,	New Yor	k	SHEET:			OF 2			
CLIENT					ional Gr	ıa					JOB NO.				5.00011		
	G CONTRA			Zeb ~35'	bra ' bgs		CAS.	SAMPLER	CORE	TUBE	GROUND						
DATE	TIME	LEVE		TYPE		PE	CAS.	Macrocore	CORE	TUBE	DATE STA			1/09			
DATE	IIIVIE	LEVE	_	1176	DI			2-inch			DATE FIN			1/09			
					W.			2 111011			DRILLER			an Mor	aitis		
					_	\LL					GEOLOG		M.	Dasco	li		
							CKET P	LENETROMETE	R READIN	 G	REVIEWE		J.	Boyd			
			REC	· _{0/}			SOIL				<u> </u>		MGP	<u> </u>			
DEPTH FEET	STRATA	SAMPLE NO.	RQD		COLOR	R	SISTENC ROCK RDNESS		MATE DESCR	ERIAL IPTION		uscs	COLOR	PID	HCN	H2S	MOISTURE
•																	
0		-	-		-			No sample	es collect	ed from (0'-20'.						
1																	
-																	
-																	
+																	
-5																	
+																	
-																	
_																	
-10 —																	
1																	
1																	
1																	
-15 —																	
-																	
-																	
_																	
_																	
-20 —	·•'•'•'•'•	1	779	0/_	Orange-		N/A					SW		0.0	0.0	0.0	Dry
		'	117	/0	Brown		IN/A	Medium-c				SVV					Diy
								impacts.	aroi, ii aoi	. o 140				0.0	0.0	0.0	
														0.0	0.0	0.0	
1														0.0	0.0	0.0	
_ 1														0.0	0.0	0.0	
-25 —		2	379	%				Fine-coar	se SAND	trace fin	e-coarse			0.0	0.0	0.0	
	<u> </u>	ı l		I		ı		i inc-coar	SO OMIND	, auto III	.5 55a136	I		1	I	I	1
COM	MENTS: R	Soring adv	anced	with :	a 6620 D	T Dire	ect Push	n Geoprobe ar	nd sample	ed with a	2" diameter	macroco	ore.				
Borin	ıg backfille	d with cer	nent-b						oampi								
Sam	pling begir	ns at 20' b	gs.												_		

TEST BORING LOG URS Corporation BORING NO.: DGP-313 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S **DESCRIPTION FEET** NO. RQD% ROCK CODE **HARDNESS** gravel. Faint naphthalene-like odor. 0.0 1.0 0.0 1.0 0.0 0.0 0.3 2.0 0.0 0.3 1.0 0.0 3 45% 0.0 0.0 0.1 Fine-coarse SAND, trace fine-coarse gravel, trace silt. Faint naphthalene-0.1 1.0 0.0 like odor from 30'-31'. 0.0 3.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 35% Wet Light 0.0 0.0 0.0 Fine-coarse SAND, little fine gravel, Brown trace silt. No MGP impacts. 0.0 0.0 0.0 0.1 1.0 0.0 0.0 0.1 1.0 1.0 0.0 End of boring at 40' bgs. -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.

			TIL	25	1	rpora	41					ESIE			_OG	
										BORING N	10. :		3P-314			
		ECT LOCA				IGP PDI,	Hempstead,	New Yor	k	SHEET:			OF 2			
CLIENT					al Grid					JOB NO. :				5.00011	<u> </u>	
	G CONTRA			ebra				T		BORING L						
1	NDWATER:	1		34' bg:		CAS.	SAMPLER	CORE	TUBE	GROUND						
DATE	TIME	LEVE	L TYI	PE	TYPE		Macrocore			DATE STA			7/09			
	<u> </u>			\longrightarrow	DIA.		3.5-inch			DATE FIN			7/09 n C.			
			_		WT.	+				DRILLER:			Dasco			
				-	FALL					GEOLOGI						
		_		\vdash			ENETROMETE	H READIN	<u> </u>	REVIEWE	:D B Y :	_	Boyd I			1
DEPTH	CTDATA	SAMPLE	REC%		co	SOIL NSISTENC	; _Y	MATE	ERIAL			MGP COLOR	PID	HCN	H2S	MOISTURE
FEET	STRATA	NO.	RQD%			ROCK		DESCR	IPTION		USCS	COLOR	""	IICIN	1123	WOISTORE
		<u> </u>			н	IARDNESS										
0	ļ	- I		_												T
_			-				No sampl	es collect	ed from (0' -20' bgs.						
7 /																
1 1																
-5 —																
4																
_																
-10 —																
1																
-																
-																
4																
-15 —																
1																
-																
-20 —		1	30%	Ora	inge-	N/A					SW		0.2	0.0	0.0	
_			3070		own	,, .	Fine-coar trace silt.	se SAND No MGP	, little fine impacts.	gravel,						
							trace enti-			'			0.2	1.0	0.0	
													0.1	1.0	0.0	
7													0.0	1.0	0.0	
-													0.0	0.0	0.0	
-25 —		2	22%	-									0.0	0.0	0.0	
J		1					Fine-med	ium SANI	D, little sil	lt, trace						
	MENTS: B						n Geoprobe a	nd sample	ed with a	3.5" diamete	er macro	core.				

Sampling begins at 20' bgs.

TEST BORING LOG URS Corporation BORING NO.: DGP-314 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S **DESCRIPTION FEET** NO. RQD% ROCK CODE **HARDNESS** 0.0 fine gravel. 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 3 25% SW-SM 0.2 0.0 0.0 Fine SAND, trace fine gravel and silt. No MGP impacts. 0.2 1.0 0.0 0.2 1.0 0.0 0.1 1.0 0.0 SW 0.1 0.0 0.0 Moist Fine-coarse SAND, some fine gravel, trace silt. No MGP impacts. 32% 4 12 0.0 0.1 8.0 0.0 0.0 0.1 22 0.0 0.1 21 5.0 0.0 End of boring at 40' bgs. -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.

			U	R	S	Cor	pora	tion		ı	DODING I		ESIE			<u>-0G</u>	
DPO IE	CT/DDO II	-CT L OC							Now You	ule.	BORING N	10. :		GP-315			
CLIENT		:CI LOG	AHON		ional Gri ional Gri		GP PDI,	Hempstead,	New Yor	<u>K</u>	SHEET: JOB NO. :			OF 2	5.00011		
	G CONTRA	ACTOR:		Zebi		<u> </u>					BORING L).00011		
	NDWATER:				bgs		CAS.	SAMPLER	CORE	TUBE	GROUND						
DATE	TIME	LEVE		TYPE	-	YPE		Macrocore			DATE STA			7/09			
		+	_		DIA			3.5-inch			DATE FIN			3/09			
		+			w	т.					DRILLER:	:	Jaı	n C.			
					F#	ALL					GEOLOGI	IST:	М.	Dasco	li		
		†				* P(OCKET PI	ENETROMETE	R READIN	IG	REVIEWE	D BY:	J. I	Boyd			
			REC	2%		1	SOIL	T					MGP				
DEPTH FEET	STRATA	SAMPLE_ NO.	RQD		COLOR		ISISTENC' ROCK	<u>Y</u>	MATE DESCRI	ERIAL RIPTION		uscs	COLOR	PID	HCN	H2S	MOISTURE
• ==			nu.	J%			ARDNESS						CODE				
_														_	_		
0		-	-					No sample	es collect	ted from ()'-10' bgs.					1	
7 1																i	
+																Í	
+																i	
+																Í	
-5—																Í	
																Í	
]]																İ	
]																i	
]																Í	
7 /																i	
-10 —		1	72%	%	Orange- Brown		N/A	Fine-coars	se SAND	and GR/	AVEL,	SW		0.1	0.0	0.0	
+					DIOWII			trace silt.	No MGP	impacts.				0.1	0.0	0.0	
+														0.1	1.0	0.0	
				F	Light	-								0.2	1.0	0.0	
				[]	Orange- Brown									0.2	2.0	0.0	
-15 —		2	77%	70/	Orange-	-								0.1	0.0	0.0	
]			117	%	Brown												
														0.1	0.0	0.0	
								Fine-coars	se SAND	, some fir	ne gravel,			0.1	0.0	0.0	
7 /								trace silt.	No MGP	impact.				0.1	0.0	0.0	
†														0.1	0.0	0.0	
-20 —	<mark>וַבָּבָּבָבָבַבַּבַּבַּבַּבַּבַּבַּבַּבַבַּבַּבַבַּבַּ</mark>	3	82%	%				Fine-coars	SE SAND	some fir	ne gravel			0.1	1.0	0.0	
-								No MGP i	impact.	, 501110 1	ic grave.			0.1	1.0	0.0	
-														0.1	1.0	0.0	
														0.1	1.0	0.0	
]																	
-25 —														0.1	1.0	0.0	
-25 -		4	82%	%	Brown			Fine-coars coarse sa				GW		N/A	N/A	N/A	Wet
_		'		•		1		1	,	U		1		ı			'
	IMENTS: Bo							h Geoprobe ar	nd sample	ed with a	3.5" diamete	er macro	ocore.				

Sampling begins at 10' bgs.

TEST BORING LOG URS Corporation BORING NO.: DGP-315 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S **DESCRIPTION FEET** NO. RQD% ROCK CODE **HARDNESS** N/A N/A N/A naphthalene-like odor. SW N/A N/A N/A Fine-coarse SAND, little fine gravel. Faint naphthalene-like odor. N/A N/A N/A N/A N/A N/A 5 77% N/A N/A N/A Orange-Fine-coarse SAND, little fine-coarse Brown gravel. Faint naphthalene-like odor. N/A N/A N/A N/A N/A N/A N/AN/A N/A N/A N/A N/A 77% 6 Light 0.0 0.0 0-1 Fine-coarse SAND, trace fine gravel. Brown 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 End of boring at 40' bgs. -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 10' bgs. **BORING NO.: DGP-315**

			U	R	S	Cor	rpora	tion			DODING		ESIE			<u>_OG</u>	
PROJE	CT/PROJE	ECT LOC						Hempstead	New You		BORING N	10. :		SP-316 OF 2			
CLIENT					ional G		GF FBI,	Tiempsteau	, ivew ioi	<u> </u>	JOB NO. :				5.00011		
	G CONTRA	ACTOR:		Zeb							BORING L				7.00011		
	NDWATER:				b' bgs		CAS.	SAMPLER	CORE	TUBE	GROUND						
DATE	TIME	LEVEL	$\overline{}$	TYPE	-	ГҮРЕ	07.5.	Macrocore	+	1022	DATE STA			7/09			
			\pm			DIA.	+	2-inch	+		DATE FIN			7/09			
		+	+			NT.	+		+		DRILLER:			an Mor	riatis		
		+	\top			FALL	+		+		GEOLOGI		М.	Dasco	di		
		+	\top		\top	* P	OCKET P	ENETROMET	ER READIN	IG	REVIEWE	D BY:	J. I	Boyd			
DEPTH FEET	STRATA	SAMPLE NO.	REC		COLOF	,	SOIL NSISTENC ROCK ARDNESS			ERIAL RIPTION		uscs	MGP COLOR CODE	PID	нси	H2S	MOISTURE
													<u>. </u>	<u> </u>			
-5			-					No samp	ples collect	ed from ()'-20' bgs.						
-15 — — — — — — — — — — — — — — — — — — —		1	63'	3%	Orange Brown		N/A		arse SAND). No MG	GP impacts.	SW		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	53	3%	Brown									0.0	0.0	0.0	
		-	33	1 /0	Brown			Fine-coa	arse SAND	, some fii	ne gravel.			0.0	0.0	0.0	
	l																
Borin	IMENTS: Bring backfilled	d with cen	nent-k					1 Geoprobe a	and sample	ed with a	2" diameter	macroco	ore.				

TEST BORING LOG URS Corporation BORING NO.: DGP-316 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S FEET DESCRIPTION NO. RQD% ROCK CODE **HARDNESS** 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 3 57% 0-1 0.0 0.1 Fine-coarse SAND, some fine gravel. No MGP impacts. 0.1 1.0 0.0 0.1 1.0 0.0 0.2 1.0 0.0 1.7 1.0 0.0 52% Wet 1.0 0.0 2.2 1.7 0.0 0.0 1.0 0.0 2.1 0.0 2.7 1.0 1.0 0.0 End of boring at 40' bgs. -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-316**

			TIT	52	.	rpora	4ion					ESIE			_OG	
										BORING N	10. :		3P-317			
		ECT LOCA				IGP PDI,	Hempstead,	New Yor	k	SHEET:			OF 2			
CLIENT					al Grid					JOB NO. :				5.00011		
	G CONTRA			ebra				T		BORING L						
I	NDWATER:	1		30' bg	<u> </u>	CAS.	SAMPLER	CORE	TUBE	GROUND			A 5/09			
DATE	TIME	LEVEL	L TY	'PE	TYPE	_	Macrocore			DATE STA			5/09 5/09			
		+			DIA.	-	2-inch			DRILLER:			an Mor	riatie		
		+			WT.	-				GEOLOGI			Dasco			
		+				DOCKET DI	 ENETROMETE	R READIN	IG.	REVIEWE			Boyd			
		 		\dashv	<u> </u>	SOIL	T	n neadin		LEVIEWE	. Б. Б. Т.	_	- Soyu	г —	г	Π
DEPTH	STRATA	SAMPLE_	REC%		LOR CO	NSISTENC	Υ	MATE	ERIAL		uscs	MGP COLOR	PID	HCN	H2S	MOISTURE
FEET	SILLALA	NO.	RQD%			ROCK IARDNESS		DESCR	IPTION		0303	CODE				
						AIIDNEGO							<u> </u>			
0-			_	_			T						Ι			
4							No sampl	es collect	ed from 0)'-10' bgs.			İ			
_													İ			
													İ			
													İ			
1 1													İ			
-5—													İ			
-													İ			
4													İ			
_													İ			
													İ			
													İ			
-10 —		1	82%		ange- rown	N/A	Fine-coar	se SAND	, some fir	ne gravel.	SW		0.0	0.0	0.0	
-							No MGP i	impact.		-			0.0	0.0	0.0	
													0.0	0.0	0.0	
4													0.0	0.0	0.0	
4													0.0	0.0	0.0	
-15 —																
.0		2	72%	Br	rown		Fine-coar	se SAND	, trace fin	e gravel.			0.0	0.0	0.0	Moist
1							No MGP i	mpact.					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	57%	4									0.0	0.0	0.0	
		3	37 /6				Fine-med No MGP		D, trace fi	ine gravel.						
							Nowar	inpact.					0.0	0.0	0.0	
1													0.0	0.0	0.0	
7 /													0.0	0.0	0.0	
-							-some fine	e gravel a	ıt 24'.				0.0	0.0	0.0	
-25 —		4	67%	Ora	ange-								1.2	9.0	0.0	
			0.70		rown		Fine-coar	se SAND	, few fine	-coarse				0.0	0.0	
							n Geoprobe a	nd sample	ed with a	2" diameter	macroco	ore.				
Rorin	ng hackfille	d with cen	nent-hent	onita (arout to	rrade										

Sampling begins at 10' bgs.

TEST BORING LOG URS Corporation BORING NO.: DGP-317 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S **DESCRIPTION FEET** NO. RQD% ROCK CODE **HARDNESS** gravel. Strong naphthalene-like odor. 24.8 2.0 0.0 -light brown NAPL coating from 26'-47.3 0.0 28'. 3.0 17.4 7.0 0.0 9.3 8.0 0.0 5 55% 0.0 0.0 Wet 0.0 Fine-coarse SAND, trace fine-coarse gravel and 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 42% 6 0.0 0.0 0.0 Fine-coarse SAND, trace fine-coarse gravel. 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 End of boring at 40' bgs. -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.

			TΠ	52		orpora	-4	ion			L			ESIE			_OG	
BBO IE	OT/DDO IF										╀	BORING I	10. :		3P-318			
		CT LOCA					I, H	lempstead,	New Yor	<u>k</u>	+	SHEET:			OF 2			
CLIENT					al Grid	1					+	JOB NO. :				5.00011		
	G CONTRA			ebra			$\overline{}$				4	BORING L						
1	NDWATER:	1		28' bg	1	CAS.		SAMPLER	CORE	TUBE	╀	GROUND						
DATE	TIME	LEVE	L TY	PE	TYP		+	Macrocore			+	DATE STA			21/09			
		+	-		DIA.		+	2-inch			+	DATE FIN			an Mor	iotio		
		+			WT.		+				+	DRILLER:			Harshm			
		+			FAL						+					<u> </u>		
	<u> </u>			_	<u> </u>	SOIL	PEI	NETROMETE:	H KEADIN	.G		REVIEWE	D BY:		Boyd		1	
DEPTH	STRATA	SAMPLE	REC%]	LOR C	CONSISTEN	1CY	,	MATE	ERIAL			USCS	MGP COLOR	PID	HCN	H2S	MOISTURE
FEET	SIRAIA	NO.	RQD%			ROCK HARDNES		1	DESCR	IPTION			0303	CODE				
	\vdash			Щ		HANDINES	-										<u> </u>	
0-	ļ																	
			1					No sample	es collect	ed from 0	0'-	10'.					i	
																	i	
																	i	
-																	i	
-																	i	
-5-																	i	
-																	i	
																	i	
																	i	
																	ĺ	
1																	ĺ	
-10 —		1	90%		ight rown	Loose- Medium		FILL. Brid	cks, morta	ar, sand a	and	d gravel.	FILL		1.0	0.0	0.0	Dry
-					OWII	Dense		Fine-coars	SA SAND	little fine	0-0	noarea	SW		2.0	0.0	0.0	
+ 1								gravel. S	light black	k NAPL s	stai	ining at			8.0	0.0	0.0	
-								14'-14.5', from 14'-1		nthalene-	-lik	ke odor			12	0.0	0.0	
-15 —															20	0.0	0.0	
.13		2	70%			Loose		Fine-coars	se SAND	, trace fin	ne	gravel.			8.0	1.0	0.0	
7 /								Black-gray moderate							21	1.0	0.0	
-															26	1.0	0.0	
-															30	2.0	0.0	
-															26	2.0	0.0	
-20 —		3	70%	_														
		3	70%					Fine-coars from 21'-2	se SAND	, some fir	ne	gravel			26	0.0	0.0	
								staining, r	moderate-	-strong	\ FI	L			32	0.0	0.0	
-								naphthale	ne-like o	dor.					50	0.0	0.0	
-															61	0.0	0.0	
-															40	0.0	0.0	
-25 —		4	72%	-											2.0	0.0	0.0	
		'	7270													0.0	0.0	
СОМ	MENTS: B	oring adv	anced wit	n a 66	320 and	d 6610 DT	Dir	rect Push Ge	eoprobe a	and samp	ole	d with a 2"	diamete	er macro	core.			

Boring backfilled with cement-bentonite grout to grade.

Sampling begins at 10' bgs.

TEST BORING LOG URS Corporation BORING NO.: DGP-318 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY MOISTURE STRATA USCS COLOR PID HCN H2S COLOR **DESCRIPTION FEET** NO. RQD% ROCK CODE **HARDNESS** 2.0 0.0 0.0 0.0 2.0 0.0 Wet Orange-2.0 0.0 0.0 Fine-coarse SAND, some fine gravel. Brown Faint naphthalene-like odor. 2.0 0.0 0.0 90% Loose-SW-GW 0.0 0.0 Orange-0.0 Fine-coarse SAND and GRAVEL. No Medium Light Brown MGP impact. Dense 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Fine-medium SAND. No MGP SP 0.0 0.0 0.0 impacts. 97% SW 0.0 6 Light Medium 0.0 0.0 Fine-medium SAND, trace fine gravel. Brown Dense No MGP impact. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -fine-coarse SAND, little fine gravel from 39'-40'. 0.0 0.0 0.0 End of boring at 40' bgs. -55 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-318**

URS corporation										PODING NO POD 949									
PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York												BORING NO.: DGP-319							
CLIENT		ECT LOCA	ional G	SHEET: 1 OF 2 JOB NO.: 11175065.00011															
	G CONTRA	ACTOD:	ora	BORING LOCATION: N/A															
	NDWATER				B' bgs		CAS.	SAMPLER	GROUND ELEVATION: N/A										
DATE TIME LEVEL TY					- -	YPE		Macrocore	CORE	TUBE	DATE ST			22/09					
						DIA.		2-inch			DATE FINISHED: 7/22/09								
					١	VT.					DRILLER: Evan Moriatis								
					F	ALL			GEOL				GEOLOGIST: J. Harshman						
							OCKET P	ENETROMETE	REVIEWED BY: J. Boyd										
DEPTH FEET	STRATA	SAMPLE_ NO.	1 160			` <u> </u>	SOIL NSISTENC ROCK ARDNESS		MATERIAL DESCRIPTION			USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE		
0 —		-	700		Orango		Loope	No sampl				SW					Dry		
-20 —		2	70		Orange Light Brown		Loose	Fine-coar gravel. N	se SAND o MGP in	, trace-liti	tle fine	SW		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	Dry		
-25 —		3	839	%				Fine-coar	se SAND	 , some fir	ne gravel.			0.0	0.0	0.0			
Borin	IMENTS: B ng backfille pling begir	d with cen	nent-b					n Geoprobe a	nd sample	ed with a	2" diameter	macroc	ore.						

TEST BORING LOG URS Corporation BORING NO.: DGP-319 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S DESCRIPTION **FEET** NO. RQD% ROCK CODE **HARDNESS** 0.0 0.0 0.0 0.0 0.0 0.0 Wet 0.0 0.0 0.0 -lightly coated with clear petroleumlike material, slight petroleum-like odor 16 0.0 0.0 from 29'-30'. 97% 25 0.0 0.0 Fine-coarse SAND, trace-little fine gravel. Lightly coated with clear-oily 40 0.0 0.0 petroleum-like material, slight petroleum-like odor. 12 0.0 0.0 8.0 0.0 0.0 3.0 0.0 0.0 80% 5 Light 0.0 0.0 0.0 Fine-coarse SAND, some fine gravel. Brown 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 End of boring at 40' 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 15' bgs. **BORING NO.: DGP-319**

TEST BORING LOG URS Corporation **BORING NO.: DGP-320** PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York SHEET: 1 OF 2 **National Grid** CLIENT: JOB NO.: 11175065.00011 **BORING LOCATION:** N/A Zebra **BORING CONTRACTOR:** ~25' bgs **GROUNDWATER:** CAS. SAMPLER CORE TUBE **GROUND ELEVATION: N/A DATE STARTED:** 9/28/09 TIME DATE LEVEL **TYPE TYPE** Macrocore **DATE FINISHED:** 9/28/09 DIA. 2-inch DRILLER: Luke WT. M. Dascoli **GEOLOGIST: FALL** * POCKET PENETROMETER READING **REVIEWED BY:** SOIL MGP REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY PID HCN H2S MOISTURE COLOR **STRATA** COLOR USCS **DESCRIPTION** FEET NO. **ROCK** ROD% CODE **HARDNESS** 0 N/A SW-SM 100% Dark 0.0 0.0 N/A Moist Fine-coarse SAND, trace silt and Brown gravel. No MGP impact. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 45% 0.4 0.0 Light Fine-medium SAND, trace silt and fine Brown 04 0.0 gravel. No MGP impact. ☒ . ' : ☒ . GP 0.7 0.0 Fine gravel, trace coarse sand. No Brown SW-SM MGP impact. 0.7 0.0 Fine-medium SAND, trace silt and 1.1 0.0 gravel. No MGP impact. -10 53% 0.1 0.0 Light 0.2 0.0 Brown 0.4 0.0 0.7 0.0 0.8 0.0 -15 53% SW 0.0 Fine-medium SAND, trace fine gravel. No MGP impact. 0.0 0.0 0.0 0.0 0.4 0.0 Fine-coarse SAND, trace fine gravel, trace silt from 18'-19'. 0.6 0.0 -20 53% GW 5 Light 0.3 0.0 Fine GRAVEL, some fine-coarse Brownsand. Faint burnt plastic odor. Gray 1.6 0.0 1.5 0.0 SW 7.1 0.0 Fine-coarse SAND, trace fine gravel. Moderate burnt plastic odor. 0.0 62 Gray GW Fine GRAVEL, trace medium-coarse -25 6 70% SW 0.2 1.0 Wet sand. Moderate burnt plastic odor. COMMENTS: Boring advanced with a 6620 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore.

BORING NO.: DGP-320

Boring backfilled with bentonite grout to grade.

TEST BORING LOG Corporation **BORING NO.: DGP-320** PROJECT: National Grid MGP PDI, Hempstead, New York 2 SHEET: 2 OF **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY COLOR PID HCN H2S **MOISTURE STRATA** COLOR USCS **DESCRIPTION FEET** NO. ROCK RQD% CODE **HARDNESS** 4.0 0.0 Fine-coarse SAND, trace fine gravel. Strong petroleum-like odor. 12.4 0.0 SP Light Fine SAND. Strong petroleum-like 7.9 0.0 Brown odor. Brown SW-SM 17.8 0.0 Fine-coarse SAND, trace fine gravel -30 100% SW 6.8 0.0 and silt. Strong petroleum-like odor. GW 7.0 0.0 Fine-coarse SAND. Moderate petroleum-like odor. 26.9 0.0 Fine GRAVEL, trace fine-medium 28 0.0 sand. Moderate petroleum-like odor. SW 13.1 0.0 Fine-coarse SAND, little fine gravel. -35 Moderate petroleum-like odor. 100% 8 0.5 0.0 Fine-coarse SAND, little fine gravel, 0.5 0.0 trace silt. Faint petroleum-like odor. 0.5 0.0 1.0 0.0 1.0 0.0 N/A 9 0.0 0.0 Fine-coarse SAND. No MGP impact. 0.0 0.0 02 0.0 0.2 0.0 0.0 End of boring at 45' bgs. -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-320**

URS Corporation									TEST BORING LOG								
			U	K) <u>C</u>	BORING NO. : DGP-321											
PROJE	CT/PROJE	ECT LOC	ATION:	Natior	nal Grid	SHEET: 1 OF 2											
CLIENT	Γ:			Natior	nal Grid	JOB NO.	JOB NO. : 11175065.00011										
BORIN	G CONTRA	ACTOR:		Zebra		BORING LOCATION: N/A											
GROUN	NDWATER	t:		~25' b	gs	GROUND ELEVATION:N/A											
DATE	TIME	LEVE	L T	TYPE	TYP	'E	Macrocore			DATE STARTED: 9/25/09							
					DIA.	<u>· '</u>	2-inch			DATE FINISHED: 9/25/09							
					WT.			<u> </u>		DRILLER: Evan Moriatis							
					FAL	L			<u></u>	GEOLOG		J.	Harshn	nan ———			
	* POCKET PENETROMETER READING REVIEWED BY:																
DEPTH		CAMBLE	REC%			SOIL		MATI	ERIAL			MGP					
FEET	STRATA	SAMPLE_ NO.	RQD%			CONSISTENC ROCK HARDNESS		DESCRIPTION			USCS	COLOR	PID	HCN	H2S	MOISTURE	
0	-						$\overline{}$										
-	'																
-	'																
-	'																
-																	
-5-																	
	'																
-	'																
-10 —	'																
-	'																
_																	
	'																
	'																
	'																
-15 —																	
-	'																
+	'																
-																	
-																	
-20 —	······	1	63%		range-	Loose					SW	<u> </u>	0.0	0.0	0.0	Moist	
		<u>/</u> '	00 /0		Brown	LUUSE		rse SAND coarse gra		s of trace- MGP	SVV					Minor	
		<u>/</u>					impact.	Juaise git	1001. 140	Mai			0.0	1.0	0.0		
		<u>/</u>											0.0	0.0	0.0		
1		/											0.0	1.0	0.0		
-		<u>/</u>											0.0	0.0	0.0		
-25 —		2	60%			Loose- Medium	Fine-coar	rse SAND	, little fine	 e gravel.	SW	-	0.1	0.0	0.0	Wet	
_				ı	•		1					ı	1	ı	1	'	
COM	MENTS: E	Soring adv	anced w	vith a 6	620 DT	Direct Push	n Geoprobe a	nd sample	ed with a	2" diameter	macroc	ore.					
Borin	ng backfille	ed with ber	ntonite gı				Goopi odo a.	IIG Garrip.	<u> </u>	Z diamote.	Thuo, oc.	<u></u>					
Sam	pling begin	ns at 20' b	gs.														

TEST BORING LOG Corporation **BORING NO.:** DGP-321 PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY MOISTURE USCS COLOR PID HCN H2S **STRATA** COLOR **DESCRIPTION FEET** NO. **ROCK** RQD% CODE **HARDNESS** Dense 1.0 0.0 0.0 0.0 10 0.0 -petroleum-like odor from 28'-30'. 25 0.0 0.0 40 1.0 0.0 3 87% SP 0.0 Light 3.0 0.0 Fine SAND. Brown 96 0.0 0.0 -moderate naphthalene-like black-404 22 0.0 brown staining, moderate-strong naphthalene-like odor, moderate-20 8.0 0.0 heavy NAPL coating with sheen and blebs from 32'-33'. 10 2.0 0.0 83% SW Gray Dense- Very 0.0 4 6.0 2.0 Fine-medium SAND, some fine gravel. Dense Slight naphthalene-like odor. 4.0 2.0 0.0 SP Loose-5.0 1.0 0.0 Fine SAND. Faint naphthalene-like Medium odor. Dense 2.0 1.0 0.0 2.0 0.0 0.0 93% SW 0.0 5 Brown-Medium 0.0 0.0 Fine-coarse SAND, some fine-coarse Gray Dense gravel. Very faint naphthalene-like 1.0 0.0 0.0 odor. 2.0 0.0 0.0 2.0 0.0 0.0 0.0 0.0 End of boring at 45' bgs. -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.

	ı	PORING NO : DCD 222															
PROJECT/PROJE		UR TION: Nat			BORING NO. : DGP-322												
CLIENT:			itional G		SHEET: 1 OF 2 JOB NO.: 11175065.00011												
BORING CONTRA	ACTOR:		bra		BORING LOCATION: N/A												
GROUNDWATER		~25		GROUND ELEVATION:N/A													
DATE TIME	LEVEL	1	<u> </u>	ГҮРЕ	CAS.	SAMPLER Macrocore			DATE STA			24/09					
	+	1	Г	DIA.		2-inch			DATE FINISHED: 9/24/09								
									DRILLER:	:	Lul	Luke					
				ALL						GEOLOGIST: J. Harshman							
				* P(OCKET P	ENETROMETE	REVIEWED BY:										
DEPTH STRATA	SAMPLE_	REC%	COLOR	,	SOIL NSISTENC ROCK ARDNESS		MATE DESCR	ERIAL RIPTION		uscs	MGP COLOR CODE	PID	HCN	H2S	MOISTURE		
-10 — -15 — -20 — -25 — -25 — -	1	50%	Orange Brown		Loose	No MGP i	rse SAND, impact.			SW		0.0 0.0 0.0 0.0 0.0 0.0	0.0 1.0 0.0 1.0 0.0	0.0 0.0 0.0 0.0 0.0	Dry		
COMMENTS: E Boring backfille Sampling begin	ed with bento	onite grou			rect Push	n Geoprobe a	nd sample	ed with a	2" diameter	macroco	ore.						

TEST BORING LOG URS Corporation **BORING NO.: DGP-322** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY MOISTURE STRATA USCS COLOR PID HCN H2S COLOR **DESCRIPTION FEET** NO. ROCK RQD% CODE **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 Fine SAND. Moderate-heavy black 3 88% Medium SP 0.0 50 8.0 NAPL staining, sheen and strong Dense naphthalene-like odor. NAPL 285 30 1.0 saturation from 31.5'-32'. SP 40 23 1.0 Fine SAND. Moderate sheen and naphthalene-like odor. 30 5.0 0.0 20 2.0 0.0 SW-GW 83% Medium 0.0 7.0 1.0 Fine-coarse SAND and GRAVEL. Dense-Dense Slight sheen and naphthalene-like 7.0 0.0 0.0 odor. 0.0 0.0 11 Medium SW 0.0 15 0.0 Fine-coarse SAND, trace-little fine Dense gravel. Faint naphthalene-like odor. 0.0 7.0 0.0 NONE 5 No description noted. End of boring at 45' bgs. -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**

			U	JR	S	Cor	pora	tion			PODING I		ESIE			_OG	
PROJE	CT/PROJE	ECT LOC/						Hempstead	New Yor		BORING I	NO. :		P-323 OF 2			
CLIENT					ional Gr		GF FDI,	Tiempsteau	, New 101	<u> </u>	JOB NO.	•			5.00011		
	G CONTRA	ACTOR:		Zeb							BORING I				7.00011		
	NDWATER				' bgs		CAS.	SAMPLER	CORE	TUBE	GROUND						
DATE	TIME	LEVEL	L	TYPE		YPE		Macrocore	1		DATE ST			24/09			
					D	IA.		2-inch			DATE FIN	IISHED:	9/2	24/09			
					w	/T.					DRILLER	:	Lul	ke			
					F/	ALL					GEOLOG	IST:	J. l	Harshn	nan		
						* P(OCKET P	ENETROMET	ER READIN	IG	REVIEWE	D BY:					
DEPTH FEET	STRATA	SAMPLE_ NO.	REC		COLOR		SOIL ISISTENC ROCK ARDNESS			ERIAL RIPTION		USCS	MGP COLOR CODE	PID	HCN	H2S	MOISTURE
0																	
-10		1	70	0%	Brown- Light Brown		Loose	Fine-coa gravel.	arse SAND No MGP in	o, little-sor npact.	me fine	SW		0.0	0.0	0.0	Wet
-25					Brown			gravel. I	NO MGP IN	npact.				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	90)%			Loose- Medium	Fine SAI	ND, trace f	ine grave	el No	SP		0.0	0.0	0.0	
Borin	MENTS: B	d with ben	ntonite			T Dir		n Geoprobe a				macroc	ore.				

TEST BORING LOG URS Corporation BORING NO.: DGP-323 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S DESCRIPTION **FEET** NO. RQD% ROCK CODE **HARDNESS** Dense 0.0 MGP impact. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3 0% 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 SW-GW 92% 17 0.0 0.0 Fine-coarse SAND and GRAVEL. Faint naphthalene-like odor. 30 1.0 0.0 Orange-Brown Medium SW 22 2.0 0.0 Fine-coarse SAND, trace fine gravel. Dense Faint naphthalene-like odor. 17 0.0 1.0 0.0 0.0 5.0 0% 5 Light Loose 8.0 0.0 0.0 Brown 10 0.0 0.0 10 0.0 0.0 8.0 0.0 0.0 0.0 0.0 End of boring at 45' bgs. -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.

	TEST BORING LOG BORING NO.: DGP-324															
DDC IT	OT/DDO ''	-OT 1 00						Nies 27	1-		NO. :					
		EGI LOCA		Nation Nation			Hempstead,	New Yor	K	SHEET:			OF 2	. 00011		
CLIENT		ACTOR:		Zebra	ai Grid	1				JOB NO. :				5.00011	<u> </u>	
	G CONTRA			~20' bg	ıs	CAS.	SAMPLER	CORE	TUBE	GROUND						
DATE	TIME	LEVE		TYPE	TYPI		Macrocore	OORE	TOBE	DATE STA			23/09			
PAIL	I IIVIL		<u> </u>		DIA.		2-inch			DATE FIN			23/09			
					WT.		-			DRILLER		Lul	ke			
					FALI	L				GEOLOG	IST:	J. I	Harshn	nan		
					,	* POCKET PE	NETROMETE	R READIN	G	REVIEWE	D BY:					
			REC%			SOIL						MGP				
DEPTH FEET	STRATA	SAMPLE. NO.	RQD%		LOR	ONSISTENCY ROCK	<u>′</u>	MATE DESCR			uscs	COLOR	PID	HCN	H2S	MOISTURE
			TIQD /	<u></u>		HARDNESS						CODE				
0																
1																
1																
-																
-																
-5—																
-																
-																
_																
-10 —																
-10		1	47%	Li	own- ight	Loose	Fine-med	ium SANI	O, trace fi	ne gravel.	SW		0.0	0.0	0.0	Dry
				Br	own		No MGP i	траст.					0.0	0.0	0.0	
													0.0	0.0	0.0	
1													0.0	0.0	0.0	
-													0.0	0.0	0.0	
-15 —		2	58%	Ora	ange-		Fine-coar	SE SAND	trace fin	e aravel			0.0	0.0	0.0	Moist -
-					ight own		No MGP i	mpact.	, aut IIII	c graver.			0.0	0.0	0.0	Wet
-													0.0	0.0	0.0	
4													0.0	0.0	0.0	
-													0.0	0.0	0.0	
-20 —		3	67%			Looss					SP			0.0	0.0	Wet
		3	0/%			Loose- Medium	Fine SAN fine grave	D, trace r	nedium s	and and	57		0.0			vvet
						Dense	line grave	INO IVIC	paci				0.0	0.0	0.0	
													0.0	0.0	0.0	
1													0.0	0.0	0.0	
7													0.0	0.0	0.0	
-25 —		4	0%		ight	Medium	+						0.0	0.0	0.0	
	••••••			Br	own	Dense					l			l		I
COM	MENTS: B	oring adv	anced w	vith a 66	520 DT	Direct Push	Geoprobe ar	nd sample	ed with a	2" diameter	macroco	ore.				

Boring backfilled with bentonite grout to grade.

Sampling begins at 10' bgs.

TEST BORING LOG URS Corporation BORING NO.: DGP-324 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S FEET DESCRIPTION NO. RQD% ROCK CODE **HARDNESS** 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 SW-GW 0% Orange Loose 0.0 0.0 0.0 Fine-coarse SAND and GRAVEL. No MGP impact. 0.0 0.0 0.0 0.0 0.0 0.0 SP Light 0.0 0.0 0.0 Fine SAND. No MGP impact. Brown 0.0 0.0 0.0 End of boring at 35' bgs. -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-324**

	URS Corporation TEST BORING LOG																
											1	NO. :			1		
		ECT LOCA	ATIO		tional tional		GP PDI,	Hempstead,	New Yor	<u>k</u>	SHEET:			OF 2			
CLIENT						Grid					JOB NO. :				5.00011		
	G CONTRA			Zek ~20	ora 0' bgs		CAS.	SAMPLER	CORE	TUBE	GROUND						
DATE	TIME	LEVE		TYPI	-	TYPE	CAS.	Macrocore	CORE	TUBE	DATE STA			23/09			
DATE	IIVIE	LEVE	-		-	DIA.		2-inch			DATE FIN			23/09			
		+	+		+	WT.	+	2-111011			DRILLER		Lu				
		+	+		+	FALL	+				GEOLOG			Harshn	 nan		
			\dashv		+		OCKET P	LENETROMETE	R READIN	IG	REVIEWE						
				-C0/	\Box	$\overline{}$	SOIL	<u> </u>			1		MGP				
DEPTH	STRATA	SAMPLE		EC%	COLO		NSISTENC	<u>;Y</u>		ERIAL		USCS		PID	HCN	H2S	MOISTURE
FEET		NO.	RC	QD%		- 1	ROCK Ardness	j	DESCR	IPTION			CODE				
		<u> </u>										<u>.I</u>					
0-					T	$\neg \vdash$							T				
-			ı														
4			ı														
_			ı														
			ı														
_	5—																
-5-			l														
7			ı														
-			ı														
-			ı														
-			ı														
-10 —			ı														
			ı														
			ı														
7 /			ı														
-			ı														
			ı														
-15 —			ı														
_			ı														
			ı														
			ı														
7 /			ı														
-			ı														
-20 —		. 1	6	57%	Orang		Loose	Fine see		troop fir		SW		0.0	0.0	0.0	Wet
-		<mark>.</mark>	ı		Ligh Brow			Fine-coar No MGP i	impact.	, trace iii	ie gravei.			0.0	0.0	0.0	
4		<u> </u>	ı														
		<u> </u>	I											0.0	0.0	0.0	
		<u> </u>	I											0.0	0.0	0.0	
			ı											0.0	0.0	0.0	
-25 —		2	7	'3%	Ligh	ıt	Loose-	Fine SAN	ID. trace f	ine grave		SP	-	0.0	0.0	0.0	
	<mark>.*.*.*</mark>	1 1			Gray	/-	Medium	1 1110 67 114	, aaoo 1	mo grave	<i></i>			l		İ	
	IMENTS: B						rect Push	n Geoprobe a	nd sample	ed with a	2" diameter	macroco	ore.				

BORING NO.: DGP-325

Sampling begins at 20' bgs.

TEST BORING LOG Corporation **BORING NO.: DGP-325** PROJECT: National Grid MGP PDI, Hempstead, New York 2 SHEET: 2 OF **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY MOISTURE USCS COLOR PID HCN H2S **STRATA** COLOR **DESCRIPTION FEET** NO. **ROCK** RQD% CODE **HARDNESS** Light Dense 0.0 0.0 0.0 Brown 0.5 0.0 0.0 -faint naphthalene-like odor from 27'-0.2 0.0 0.0 0.0 0.0 0.0 67% SW-GW 0.0 3 Light 7.0 1.0 Fine-coarse SAND and GRAVEL. Brown Faint naphthalene-like odor. 7.0 2.0 0.0 3.0 1.0 0.0 3.0 1.0 0.0 Fine-medium SAND, trace-little fine Brown-Medium SW 2.0 1.0 0.0 gravel. Faint naphthalene-like odor. Orange Dense 60% Light Brown 4 10 1.0 2.0 Fine-medium SAND, some-trace fine gravel, trace silt from 36'-39'. Faint 12 2.0 4.0 naphthalene-like odor. 7.0 1.0 3.0 7.0 1.0 2.0 6.0 1.0 1.0 -40 5 48% 1.0 0.0 0.9 Fine-coarse SAND, little-trace fine gravel. Faint naphthalene-like odor. 0.9 0.0 0.0 0.0 0.0 1.0 0.7 0.0 0.0 0.7 0.0 0.0 53% 0.0 0.0 0.0 6 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. -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.

		Cor			E91 E			<u>-0G</u>									
DDO IE	OT/DDO II										BORING I	NO. :		3P-326	1		
		-CT LOCA	AIIO		tional tional		GP PDI,	Hempstead,	New Yor	<u>k</u>	SHEET:			OF 2			
CLIENT						JIIU					JOB NO. BORING I				5.00011	-	
	G CONTRA		—	Zek	0' bgs		CAS.	SAMPLER	CORE	TUBE	GROUND						
DATE	TIME	LEVE		TYPI	-	TYPE	CAS.	Macrocore	CORE	TOBE	DATE ST			22/09			
DATE	IIIVIE	LEVE	-	- 1177	-	DIA.	+	2-inch			DATE FIN			22/09			
		+	+		_	WT.	+	Z IIIOII			DRILLER		Lu				
			+			FALL	+				GEOLOG		J.	Harshn	nan		
		1	\top		_	* P	OCKET P	LENETROMETE	R READIN	IG	REVIEWE	ED BY:					
		\vdash	RF	EC%	\Box	\top	SOIL	\top			L		MGP				T
DEPTH FEET	STRATA	SAMPLE			COLO		NSISTENC	<u>.Y</u>		ERIAL RIPTION		uscs	1	PID	HCN	H2S	MOISTURE
FEEI		NO.	RC	D%			ROCK ARDNESS	,	DESCR	IFTION			CODE				
					-			•									•
0						\top											
-			l														
4			l														
4			l														
_			l														
-5—			l														
			l														
	'		l														
7	'		I														
-	'		l														
-	'		l														
-10 —	'		I														
-	'		I														
-	'		I														
_	'		l														
	'		l														
46	'		l														
-15 —	'		l														
7			l														
-			l														
			l														
			l														
-20 —	·····	1	- 5	3%	Orang	10-	Medium					SW		0.0	0.0	0.0	Wet
_		'	J.	3 /6	Brow		Dense	Fine-coar No MGP i	rse SAND, impact.	, trace fin	ne gravel.	0,.					*****
		<u> </u>	l					110	прас.					0.0	0.0	0.0	
			l											0.0	0.0	0.0	
7			l											0.0	0.0	0.0	
1		.	l											0.0	0.0	0.0	
-25 —		2	6	3%	Light		Loose-	+				SP	-	0.3	0.0	0.0	
	<mark>. • . • . • . •</mark>	1 1			Brow	n	Medium	Fine SAN	ID. Mode	rate black	k NAPL			J		1	
	<u> </u>																
	IMENTS: B						rect Push	n Geoprobe a	nd sample	ed with a	2" diameter	macroco	ore.				

BORING NO.: DGP-326

Sampling begins at 20' bgs.

TEST BORING LOG URS Corporation **BORING NO.: DGP-326** PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY MOISTURE STRATA USCS COLOR PID HCN H2S COLOR **DESCRIPTION FEET** NO. ROCK RQD% CODE **HARDNESS** Dense 10 0.0 0.0 staining, sheen and coating, moderate naphthalene-like odor from 26'-28'. 0.0 Slight NAPL sheen and slight 20 0.0 naphthalene-like odor from 28'-30'. 5.0 0.0 0.0 3.0 0.0 0.0 57% Medium 0.0 3 Light 0.3 0.0 Fine SAND, trace fine gravel. Faint Gray-Dense naphthalene-like odor. Brown 0.2 0.0 0.0 0.1 0.0 0.0 SW-GW Light Medium 0.0 0.0 0.0 Fine-coarse SAND and GRAVEL. No Brown Dense- Dense MGP impact. 0.0 0.0 0.0 -faint naphthalene-like odor from 35'-58% Dense 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Medium SW 0.0 0.0 0.0 Fine-medium SAND, trace fine gravel. Dense No MGP impact. 0.0 0.0 0.0 End of boring at 40' bgs. -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.

			TID	C		TES	T BO	RING	LOG	i			
			UR	O Co	rpora	ation			BORING NO. :	GTB-	101		
PROJE	CT/PROJE	CT LOCA	ATION: Natio	onal Grid M	IGP PDI	, Hempstead, N	New York	(SHEET:	1 OF	2		
CLIENT	:		Natio	onal Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:	F + N	I					BORING LOCATION:	LIRR	ROW		
GROUN	IDWATER:		~26'	bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N:N/A			
DATE	TIME	LEVE	L TYPE	TYPE	HSA	Split-spoon			DATE STARTED:	9/18/0)8		
				DIA.	4 1/4"	2"			DATE FINISHED:	9/18/0)8		
				WT.		140 lbs			DRILLER:	Charli	е		
				FALL		30"			GEOLOGIST:	J. Har	shman		
				* F	OCKET	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare		
DEDTU		SA	MPLE	REC%		SOIL		M	ATERIAL		MGP		
DEPTH FEET	STRATA	NO.	BLOW COUNT	RQD%	COLOR	CONSISTENCY ROCK HARDNESS			SCRIPTION	USCS	COLOR	PID	REMARKS
0-		1	1 1 1	0%			Boreho	le hand-c	leared from 0'-5' bgs.				
_	-	2	2 1 1	0%									
			1 2										
-5		3	2 2 4	92%	Gray Black	Loose	sand.		D, trace medium roleum odor. Black	SM		50- 60	Dry 0.0
-		4	6 5	92%		Medium	Stairiirių	y 110111 5 -t). 		· · ·	50- 80	Moist
-			11 16		Brown	Dense			ND, trace fine gravel.	SW			1.0
-		5	18	58%	Light	Dense			from 6.5'-8'. and light coating from			60-	
			15	30 /6	Brown- Brown	Dense	8'-14'.		se gravel from 8'-10'.			105	
-10 —			19 16		DIOWII		-301116	iiie-coars	se graver nom o - 10 .				
		6	7 10	67%		Medium Dense						30- 70	Moist- Dry 0-1
			14 16										
		7	11 11	50%								50- 70	Dry 1.0
-			11				-petrole	eum odor	from 14'-16'.				1.0
-		8	11 9	67%								10- 50	0-1
-15 —			7 11										
-		9	10 6	83%								2- 20	Moist
-			9 10						ID, trace fine gravel.				
		10	12	750/					ack petroleum um odor from 17.5'-			00 50	Maiat Door
		10	5 5	75%			22'.	g, petroiet	3111 0001 110111 17.5			30- 50	Moist- Dry
00			6 8										0-1
-20 —		11	7 9 10	75%								50- 60	
+			12										
-													
-													
-25 —		12	8	67%			 					60- 90	0-2
		14	10	0170			Fine-co	arse SAN	ND, some fine-coarse			00- 90	0-2
	Ī												

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.

BORING NO.: GTB-101

TEST BORING LOG Corporation **BORING NO.:** GTB-101 PROJECT: National Grid MGP PDI, Hempstead, New York 2 SHEET: 2 OF **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID **REMARKS** COLOR **FEET BLOW** ROCK NO. DESCRIPTION RQD % CODE COUNT **HARDNESS** gravel. Some black staining and Wet 11 moderate naphthalene-like odor from 25'-27'. 13 100% SW-GW 20-350 0-3 8 Light Medium-coarse SAND and fine-8 Browncoarse GRAVEL. Black NAPL Gray 11 staining and coating from 30'-31'. 15 Black NAPL staining, slight coating, and moderate naphthalene-like odor from 31'-32'. Fine-coarse SAND and GRAVEL. Heavy NAPL coating, blebs, strong 67% 14 25-200 0-2 12 Light naphthalene-like odor. NAPL 9 Gray saturation at 36.5'. 15 SW Fine-coarse SAND, little fine gravel, trace cobbles. Some black NAPL staining, slight naphthalene-like odor from 36.5-37'. Fine-coarse SAND and GRAVEL. 100% Thin intervals of black NAPL staining. SW-GW 15 4-10 0-1 11 Light Brown 11 Slight naphthalene-like odor. 11 SP Fine-medium SAND. No MGP impact End of boring at 42' bgs. -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. 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.

BORING NO.: GTB-101

			UR	5		41					RING	LOG	<u> </u>
							_		BORING NO. :	HISB-			
		CT LOCAT			IGP PDI,	Hempstead, N	New York	(SHEET:	1 OF			
CLIENT				nal Grid					JOB NO. :		065.000	11	
	CONTRA		F + N			T 1		_	BORING LOCATION:		Street		
-	IDWATER:	I	~35' l	1	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATIO		/0.0		
DATE	TIME	LEVEL	ТҮРЕ	TYPE		Macrocore			DATE STARTED:	12/12/			
				DIA.		2-inch			DATE FINISHED:	12/12/			
				WT.					DRILLER:	M. Me			
				FALL					GEOLOGIST:		shman		
				* F	POCKET P	ENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare I I		
DEPTH		SAM		REC%		SOIL CONSISTENCY		М	ATERIAL		MGP		MOISTURE
FEET	STRATA	NO.	COUNT	RQD%	COLOR	ROCK HARDNESS		DES	SCRIPTION	uscs	COLOR	PID	HCN
			<u> </u>		<u>'</u>						'		•
0							No Soil	Samplin	g to 25' bgs.				No Sampling
-5													
-10 — -													
-15 — -													
- 20 —													
-25 —		1	-	67%	Light Brown-	Loose	GRAVE	ELLY SAN	ND. Faint	SW-GW		0.0	Moist 0.0
			nced with a 6 ment-bentor			Geoprobe an	d sample	ed with a 2	2" diameter macrocore.				

TEST BORING LOG Corporation **BORING NO.:** HISB-102 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Orange naphthalene-like odor. Medium Fine SAND. No MGP impact. Dense 100% 0.0 2 Light Loose 0.0 -Faint naphthalene-like odor from 30'-Brown 32'. 10 Medium Fine-coarse SAND, some gravel. No SW 0.1 MGP impact. Dense SP Light Loose 0.0 Brown-Fine-coarse SAND. Slight Gray 0.3 naphthalene-like odor. -35 92% Wet 3 Loose-6.5 Medium 0.0 -little fine-medium gravel at 35'-39'. Dense 9.0 1.0 Slight naphthalene-like odor from 35'-40'. 0.0 1.7 7.0 6.0 100% Light Gray 0.0 4 Loose 4.5 Fine-coarse SAND. Slight naphthalene-like odor. 3.5 5.0 SW 100% Light 7.0 0.0 5 Fine-coarse SAND, little fine-coarse Browngravel. Faint naphthalene-like odor. Gray 5.0 6.0 8.0 7.0 -50 100% Light Loose-0.0 2.0 6 Medium Brown Dense 3.0 5.0 4.0 2.0 -55 100% Light 0.0 Loose 0.0 Fine-coarse SAND, little fine-medium Browngravel. No MGP impact. Orange 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.

TEST BORING LOG Corporation BORING NO.: HISB-102 PROJECT: National Grid MGP PDI, Hempstead, New York OF SHEET: 3 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID FEET **BLOW** NO. ROCK DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** 1.0 -60 100% 8 Light Medium 0.0 0.0 Brown Dense -65 9 100% SM 0.0 0.0 Fine SAND, trace clay and silt. No MGP impact. 10 100% SP Loose-0.0 0.0 Fine SAND. No MGP impact. Medium Dense White-Medium SM Fine SAND, trace silt. No MGP Light Dense impact. Gray SP 11 N/A 0.0 0.0 Fine SAND. No MGP impact. -80 100% 0.0 0.0 12 Light Gray Orange-Brown -85 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-102**

DEPTH FEET STRATA NO. BLOW COUNT ROO% COLOR ROOK ROOK BOOK BOOK BOOK BOOK BOOK BO				TIR	S				RING	LOG	<u> </u>			
DOB NO. 11175065.00011 Somin & Souly Street														
BORING LOCATION: Smith & Seely Sirsets			CT LOCA			GP PDI,	Hempstead, N	New York	(
Color														
DATE TIME												& Seely	Streets	
DEPTH FEET STRATA SAMPLE RGC% ROD% RO			1			CAS.		CORE	TUBE					
No. FALL POCKET PENETROMETER READING REVIEWED BY: K. Comment Reviewed By: K. Comment	DATE	TIME	LEVE	L TYPE										
FALL POCKET PENETROMETER READING REVIEWED BY: K. Connare							2-inch							
DEPTH FEET STRATA No. BLOW ROD% COLOR COLOR COLOR ROD% COLOR ROD% RODK R														
STRATA STRATA NO. BLOW RQD% COLOR RQD% COLOR ROCK RARDNESS ROC														
DEPTH FEET STRATA No. BLOW ROD% COLOR ROD%						OCKET		R READIN	G	REVIEWED BY:	K. Col			
SIRAL NO. BLOW ROD% ROCK HARDNESS DESCRIPTION DESCRIPTIO	DEPTH	070474	SA		I I	201 20			М	ATERIAL			DID	MOISTURE
Borehole hand cleared from 0'-5' bgs. No sample collected. 10		SIRAIA	NO.		RQD%	COLOR	ROCK		DES	SCRIPTION	USCS		РΙ	HCN
Borehole hand cleared from 0'-5' bgs. No sample collected. 10														
Fine-coarse SAND, little fine-medium gravel. No MGP impact. O.0 O.0 O.0 O.0 O.0 O.0 O.0 O	-5							Boreho No sar	le hand cl	leared from 0'-5' bgs. cted.				
	-20		1	-	63%		Loose	Fine-co gravel.	arse SAN No MGP	ID, little fine-medium impact.	sw		0.2	Dry 0.0
Dense Fine-coarse SAND, some fine-coarse 0.	-25 —		2	-	67%		Medium Dense	Fine-co	arse SAN	ID, some fine-coarse				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'.

TEST BORING LOG Corporation **BORING NO.:** HISB-104 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN CODE RQD % COUNT **HARDNESS** gravel, trace silt at 25.5'. No MGP impact. 0.2 0.3 -30 78% 0.0 3 Loose-0.0 Medium Dense -35 97% 0.0 0.0 Fine-coarse SAND, intervals of finecoarse gravel. No MGP impact. -40 87% 0.0 0.0 5 Loose Fine-coarse SAND, trace fine-medium gravel. No MGP impact. 85% Medium 0.0 0.0 6 Dense -50 90% 0.0 0.0 Fine-coarse SAND and GRAVEL. No SW-GW Black MGP impact. Brown SW Fine-coarse SAND, some fine--55 medium gravel. No MGP impact. 80% Light Loose-0.0 0.0 Brown Medium Dense COMMENTS: Boring advanced with a 7720 DT Direct Push Geoprobe and sampled with a 2" diameter macrocore. Borehole backfilled with

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'.

TEST BORING LOG Corporation BORING NO.: HISB-104 PROJECT: National Grid MGP PDI, Hempstead, New York OF 3 SHEET: 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** -60 SW-GW 87% 0.0 0.0 Fine-coarse SAND and GRAVEL, subangular-subrounded. No MGP impact. -65 10 93% SW 0.0 0.0 Fine-medium SAND. No MGP impact. -clay lense from 67'-67.2'. End of boring at 70' bgs. -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'

			TI	DC	•		4=			TE	ST BO	RING	LOG	i	
					Co					BORING NO. :	HISB-	106			
PROJE	CT/PROJE	CT LOC	ATION:			IGP PDI,	Hempstead, I	New York	(SHEET:	1 OF	4			
CLIENT	:			Nation	nal Grid					JOB NO. :	11175	065.000	11		
BORING	G CONTRA	CTOR:		F + N						BORING LOCATION	N: Atlant	ic Avenue	Э		
GROUN	IDWATER:			<25' b	gs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATI	ON: N/A				
DATE	TIME	LEVI	EL	TYPE	TYPE	HSA	Split-spoon			DATE STARTED:	12/17	/08			
					DIA.	4 1/4"	2"			DATE FINISHED:	12/19	/08			
					WT.		140 lbs			DRILLER:	C. Ga	zardo			
					FALL		30"			GEOLOGIST:	M. Da	scoli			
					* F	OCKET F	PENETROMETE	R READIN	iG	REVIEWED BY:	K. Co	nnare			
		S	AMPLE		REC%		SOIL					MGP			
DEPTH FEET	STRATA	NO.	BLO		RQD%	COLOR	CONSISTENCY ROCK			IATERIAL SCRIPTION	uscs	COLOR	PID	REMARKS	
			coul	NT	nQD%		HARDNESS					CODE			
0								Boreho	le drilled	to 25' bgs for first					
-										ple collected.					
4															
_															
-5															
1															
-															
4															
-10 —															
-10															
+															
-															
_															
-15 —															
7															
+															
-															
-20 —															
1															
†															
+															
-25 —		1	1, (3	17%	Light	Medium				SW		0.0	Wet	
		.	1,		/0	Brown	Dense	Fine-co	arse SAN	ND, some fine gravel.	""		5.5	0.0	
					anterra C	T-450 Dr	ill Rig and 6 1/-	4" hollow	stem aug	gers.					
Samp	oled with 2"	diamete	er split-s	poon.											
											BORING	NO.: F	IISB-10	6	

TEST BORING LOG URS Corporation **BORING NO.:** HISB-106 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 4 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID **REMARKS** COLOR **FEET BLOW** ROCK NO. DESCRIPTION RQD % CODE **HARDNESS** COUNT No MGP impact. 9, 16 88% 5, 7 2 5, 14 3 5, 6 46% 1.2 0-1 -30 7.14 Fine-coarse SAND and GRAVEL. No 12, 9 63% 0.0 0.0 MGP impact. 10, 18 SP Fine SAND, trace fine gravel. No MGP impact. GW 5 40, 24 63% Dense Fine-medium GRAVEL, few fine sand. 14, 15 No MGP impact. -35 SW 3, 2 46% 0.0 6 Loose 0.0 Fine SAND, trace fine gravel. No 5, 8 MGP impact. 2, 5 58% Medium Fine-coarse SAND and GRAVEL. No Dense MGP impact. Black 10, 22 GW Fine-coarse SAND, trace-some fine-SW 8 8, 6 Gray medium gravel. No MGP impact. -40 10, 12 0.0 0.0 Fine-coarse GRAVEL, some fine sand. Slight naphthalene-like odor 9 9, 3 58% Loose and black staining 38.5'-39'. 3, 10 Fine-coarse SAND, trace fine-coarse gravel. Burnt Plastic/naphthalene-like 10 2, 1 58% odor and staining. 4, 12 -slight burnt plastic/naphthalene-like -45 6, 12 100% Gray-Dense 0.0 0.0 11 odor. Brown 20, 25 12 7, 5 75% Medium Dense 10, 16 13 21, 32 50% Very Dense -50 18.24 0.0 0.0 Fine-coarse GRAVEL, few fine sand. Slight burnt plastic/naphthalene-like 14 14, 12 67% Medium Dense GW 10, 25 SW Fine-medium SAND, trace fine-coarse gravel. Slight burnt 15 7, 3 42% Light Loose plastic/naphthalene-like odor. Brown 3, 9 -55 SP 58% 0.0 0.0 16 6, 4 Fine SAND, trace fine gravel. Slight burnt plastic/naphthalene-like odor. 6, 12 18, 20 Veblence 71% COMMENTS: Boring advanced with a Canterra CT-450 Drill Rig and 6 1/4" hollow-stem augers. Sampled with 2" diameter split-spoon.

URS Corporation

TEST BORING LOG

BORING NO.: HISB-106

PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 3 OF 4 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID **REMARKS** COLOR **FEET BLOW** ROCK NO. DESCRIPTION RQD % CODE COUNT **HARDNESS** 20, 26 0.3 0-1 58% 18 14, 9 Medium 0.8 3.0 Dense -60 15, 30 Light 0.4 0.0 Gray 75% 19 8, 6 0.0 Fine-coarse SAND, trace fine gravel. Faint burnt plastic/naphthalene-like 10, 18 0.3 odor. 20 12, 6 92% Light Brown 6, 14 -65 21 7, 4 100% 1.9 0.0 Fine-medium SAND. Faint burnt plastic/naphthalene-like odor. 8, 18 22 20, 38 100% 2.3 -trace silt. -some fine-coarse gravel. 25, 36 23 12, 18 17% SM 0.3 Fine SAND, few silt and trace fine gravel. Faint burnt -70 38, 38 0.0 plastic/naphthalene-like odor. 12, 22 58% 0.5 Fine SAND, trace silt from 71'-73'. 38, 46 -burnt plastic/naphthalene-like odor 25 3, 6 88% Medium 0.0 from 73'-74'. Dense 11, 16 Light Gray -interbedded clay and silt layers. -75 26 38, 22 92% Light Dense SP 0.0 0.0 Brown Fine SAND. No MGP impact, no 20, 26 odors. 27 17, 6 100% Medium Dense 12, 25 -interbedded layers of clay and silt from 78.5'-79'. Light Gray 6, 8 58% 28 -80 10, 28 0.0 0.0 29 8, 5 92% -trace coarse gravel. 6.16 30 12, 6 50% Fine SAND. No MGP impact. 12, 22 -85 100% Brown 31 8, 4 0.0 0.0 8, 20 32 7, 7 79% Light

-interbedded layers of clay and silt

Fine SAND, little clay and silt. No

from 87.5'-88.5'.

MGP impact.

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

50%

8, 24

6, 7

10.23

33

-90

Gray

Light

Brown

BORING NO.: HISB-106

0.0

SM

			UR		ST BC	RING	LOG	ì				
PRO IE	CT: Nation	al Crid I	MGP PDI, Her					BORING NO. : HI				
	: National		waг гы, пе	mpsicau, N	EW IUI	•		SHEET: 4 OF JOB NO. :1117506				
DEPTH	STRATA	SA	AMPLE	REC %	COLOR	SOIL CONSISTANCY		MATERIAL	uscs	MGP COLOR	PID	REMARKS
FEEI		NO.	COUNT	RQD %		HARDNESS	DE	SCRIPTION		CODE		
DEPTH FEET	STRATA	34 34	BLOW		Light Gray	CONSISTANCY ROCK	DE	silt. No MGP impact.	USCS	COLOR	PID	REMARKS
120 —												
COM Samp	MENTS: Booled with 2"	oring adv	vanced with a er split-spoon.	Canterra C	T-450 D	rill Rig and 6 1/4	" hollow-stem aug	ers.				
									BORING	NO.: F	IISB-10	6

				TT	DC	•					TES	т во	RING	LOG	Ì
				U.	7	Co	rpora	tion			BORING NO. :	HISB-	108		
PF	ROJE	CT/PROJE	CT LOC	ATION: I	Nation	al Grid M	IGP PDI,	Hempstead, I	New York		SHEET:	1 OF	3		
CL	IENT	:		ı	Nation	al Grid					JOB NO. :	11175	065.000	11	
ВС	RING	G CONTRA	CTOR:	ı	F + N						BORING LOCATION:	Mirsch	nel Park		
GF	ROUN	IDWATER:		,	~25' bg	gs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N:N/A			
DA	ATE	TIME	LEVE	L T	YPE	TYPE		Macrocore			DATE STARTED:	12/12/	/08		
						DIA.		2-inch			DATE FINISHED:	12/16/	/08		
						WT.					DRILLER:	K. Ke	gel		
						FALL					GEOLOGIST:	M. Da	scoli		
						* F	OCKET P	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
			SA	MPLE		REC%		SOIL					MGP		MOISTURE
	PTH ET	STRATA	NO.	BLOW			COLOR	CONSISTENCY ROCK			IATERIAL SCRIPTION	uscs	COLOR	PID	
	,		110.	COUNT	「	RQD%		HARDNESS		520	501.III 110.11		CODE		HCN
			<u> </u>		•		•		•			•			
0-	7								No sam	nlee take	en to 25' bgs. Soil				
	-								hand cl	eared fro	m 0'-5'.				
	-														
_	No samples taken. Drilled from 5'-25'														
- 5 -	No samples taken. Drilled from 5'-25'.														
	No samples taken. Drilled from 5'-25'.														
	-														
	-														
	_														
-10 -															
	1														
	-														
	-														
-15 -	_														
	1														
	+														
-20 -	-														
	_														
	1														
-25 -	-		1	-		50%	Orange-	N/A	-		ID	SW		0.0	Wet
	ı	*.*.*.*.*.*.*	1			l	Brown		rine-co	arse SAN	ND, some fine-coarse	I			0.0
_				-											1
		MENTS: Bo hole backfil						n Geoprobe an	d sample	d with a 2	2" diameter macrocore.				
-	_ 5. 0	2.2 2401411				5. 54. 10	g. 200.								
					-							_		_	

TEST BORING LOG Corporation BORING NO.: HISB-108 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE MOISTURE REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID FEET **BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** gravel, trace silt. No MGP impact. Brown -30 2 70% 0.0 0.0 Light Fine-coarse SAND, some-little fine-Browncoarse gravel. No MGP impact. Orange -35 78% 3 Light 0.0 0.0 Brown -40 97% 0.0 0.1 4 -45 97% 5 0.0 0.0 -50 97% 0.0 0.0 6 -55 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

TEST BORING LOG Corporation BORING NO.: HISB-108 PROJECT: National Grid MGP PDI, Hempstead, New York OF 3 SHEET: 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID FEET **BLOW** NO. ROCK DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** -60 75% 8 0.0 0.0 -65 9 97% SP 0.0 0.0 Fine-medium SAND. No MGP impact. 4.0 -70 97% 10 0.0 SC 0.0 Fine-medium SAND, trace clay lenses. No MGP impact. 57% 11 SM 0.0 0.0 Fine-medium SAND, few-trace silt, trace clay lenses. No MGP impact. -80 97% 0.0 0.0 12 -gray banding and some clay seams from 84'-85'. Brown Hard Black -85 13 97% 0.0 0.0 Light Fine SAND, some silt. No MGP Gray impact. End of boring at 90' 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-108**

	TEST BORING LOG BORING NO.: HISB-110													
			•	JA	O Co	rpora	ition			BORING NO.:	HISB-	110		
PROJE	CT/PROJE	CT LOC					Hempstead, I	New York		SHEET:	1 OF	2		
CLIENT	Γ:			Natio	nal Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:		F + N						BORING LOCATION:	Inters	ection St	eet	
GROUN	NDWATER:			~29' l	ogs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N:N/A			
DATE	TIME	LEVI	EL	TYPE	TYPE		Macrocore			DATE STARTED:	10/30	/08		
					DIA.		2-inch			DATE FINISHED:	10/30	/08		
					WT.					DRILLER:	B. Ra	th		
					FALL					GEOLOGIST:	J. Har	shman		
					* F	OCKET F	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
		S	AMPL	ΕТ	REC%		SOIL					MGP		MOISTURE
DEPTH	STRATA	NO.		LOW		COLOR	CONSISTENCY			ATERIAL SCRIPTION	USCS	COLOR	PID	
FEET		NO.	CC	DUNT	RQD%		ROCK HARDNESS		DES	SCRIPTION		CODE		HCN
	<u> </u>					l l						<u> </u>		
0-	XXXI	1		-	100%	Black	Loose	T	·		FILL		0.0	Dry
-										se sand, coal nedium gravel. No				0.0
								MGP in	npact.	-				
1						Brown	Stiff	SILT.			ML	•		Moist
-5-		2		-	80%	Tan-	Loose	Fine-co	arsa SAN	ND, little-some fine-	SW		0.0	Dry
+						Light Gray				No MGP impact.				0.0
-														
								/		ID trace fine medium				
-10 —		3		-	73%					ND, trace fine-medium \ impact.			0.0	0.0
+														
-														
-15 —		4		-	65%	Light Brown	Loose- Medium	-inten/a	ls of blac	k petroleum staining,			0.0	0.0
-						Light	Dense	several	thin 0.25	" seams of black				
+						Gray		staining from 16		ite petroleum odor			50	
4													80	
20 _								-moder	ate black	staining at 20'-23',			100	
-20 —		5		-	67%	Tan- Light	Loose	modera	ite petrole	eum odor.			40	1.0
7						Gray							55	
+													62	
4													75	
-25 —													70	
		6		-	62%	Light Brown							120	1.0
'		1		ı	Į.			1		·	ı	1		1
COM	MENITO, P	oring adv	vanco	od with a 4	SESU DT D	roct Puc	h Gaonroba an	ıd samnla	d with a G	D" diameter macrocore				

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.

TEST BORING LOG Corporation **BORING NO.:** HISB-110 PROJECT: National Grid MGP PDI, Hempstead, New York OF 2 SHEET: 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** 170 -gray coating, staining, strong 145 Moist petroleum odor from 27'-29'. 130 -brown NAPL staining, light coating, strong naphthalene-like odor from 29'-111 Wet -30 60% Medium 1.0 Light 2.0 Fine-coarse SAND, trace fine-medium Gray Dense gravel. No MGP impact. Brown 5.0 2.0 20 0.0 7.0 1.0 -35 62% Light 8 Loose 0.0 Fine-coarse SAND, trace fine-coarse Brown gravel. No MGP impact. 2.0 2.0 10 1.0 4.0 57% 0-2 Light Gray 0.0 9 Light Brown 10 55% Medium 0.0 0-1 Dense -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. Borehole hand cleared from 0'-5' bgs

	TEST BORING LOG BORING NO.: HISB-111													
		CT LOC			IGP PDI,	Hempstead, N	New York	(SHEET:	1 OF				
CLIENT	T:			ional Grid					JOB NO. :		5065.000°			
	G CONTRA		F+			1 1		ı	BORING LOCATION:		ection Str	eet		
GROUN	IDWATER:	1	1	-29' bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION		'			
DATE	TIME	LEVE	L TYPE			Macrocore			DATE STARTED:	10/30				
				DIA.		2-inch			DATE FINISHED:	10/30				
		+		WT.					DRILLER:	B. Ra				
				FALL					GEOLOGIST:		rshman			
				* F	OCKET F	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare			
DEPTH	STRATA		BLOW	REC%	COLOR	SOIL CONSISTENCY			ATERIAL	uscs	MGP COLOR	PID	MOISTURE	
FEET		NO.	COUNT	RQD%		ROCK HARDNESS		DES	SCRIPTION		CODE		HCN	
•														
0		1	-	100%	Dark Brown	Loose		ine-medi arse grav	um silty sand, some el.	FILL		0.0	Moist 0.0	
-black staining and slight petroleum odor at 5'. 1.5 -black staining and slight petroleum odor at 5'.														
-5 - 62% Tan- Fine medium SAND little fine medium SW 1.0													Dry 0.0	
-					Brown		petrole	um stainir	ng with faint rom 7.5'-8'.			8.0		
-10 —	********	3		67%	Light				ID little fine modium			7.0 5-10	0.0	
		3		07 /8	Brown		gravel.		ID, little fine-medium of black staining, dor.			3-10	0.0	
-15 — - - -		4	-	60%	Tan- Light Gray		staining		eams of black -18' with moderate			20 75 150	0.0	
-20 — - - -		5	-	60%			petrole	staining w um odor f of grains	rith moderate rom 20'-22', light			100 175 180 150	0.0	
-25 —		6	-	55%	Light Brown		-trace to lightly of odor.	olack stair coated wit	ning from 25'-26', h strong petroleum			100 100- 200	0-1	
СОМ	MENTS: Bo	oring adv	anced with a	a 6620 DT Di	rect Push	n Geoprobe an	d sample	d with a 2	2" diameter macrocore.					

Borehole backfilled with cement-bentonite grout to grade. Borehole hand cleared from 0'-5' bgs.

TEST BORING LOG Corporation **BORING NO.:** HISB-111 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Wet 55% 150-1-2 Fine-medium SAND, little fine-medium 200 gravel. Black staining and slight coating, moderate naphthalene-like odor. -35 52% Loose-Medium Dense 250 1.0 8 Light Fine-coarse SAND, trace-little fine gravel. Brown staining, trace NAPL 15 coating, faint naphthalene-like odor from 35'-37'. 0.0 10 5.0 65% Light Brown 0.0 0-1 9 Fine-medium SAND, trace finemedium gravel. No MGP impact. 10 60% 0.0 0.0 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. Borehole hand cleared from 0'-5' bgs. **BORING NO.: HISB-111**

URS Corporation								TEST BORING LOG							
			U	1/2	Col	rpora	ition			BORING NO. :	HISB-	112			
PROJE	CT/PROJE	CT LOC	ATION:	Nation	al Grid M	GP PDI,	Hempstead, I	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	1 : N/A					
DATE	TIME	LEVE	LEVEL TYPE		TYPE		Macrocore			DATE STARTED:	10/31/	/08			
					DIA.		2-inch			DATE FINISHED:	10/31/	/08			
				WT. DRILL					DRILLER:	B. Rath					
					FALL	FALL GEOLOGIST: J. Harshman						shman			
					* P	OCKET F	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare			
DEPTH	STRATA	SAMPLE NO. BLOW COUNT		w	REC%	COLOR	SOIL CONSISTENCY ROCK HARDNESS		М	ATERIAL	uscs	MGP COLOR	PID	MOISTURE	
FEET	JIIAIA				RQD%	COLOIT		DESCRIPTION		SCRIPTION	0303	COLOR	5	HCN	
0															
0—		1	-		100%	Dark Brown	Loose- Medium Dense	FILL. L MGP in		e sand, some silt. No	FILL		0.0	Moist 0.0	
-5 - -		2	-		68%	Light Brown	Loose		arse SAN ı gravel.	SP		2.0 4.0 6.0	Moist- Dry 0.0		
7													10		
-10 —		3	-		58%			Fine-mo No Mo	edium SA GP impac	ND, trace fine gravel. t.	SW		3.0 4.0 5.0	Dry 0.0	
-													4.0		
-15 —		4	-		57%	Light	Fine coores CAL			ID trace little fine	SP		70	0.0	
4						Gray- Light Brown		medium gravel. L		ND, trace-little fine- Light coating of			135		
_									petroleum, moderate petroleum from 15'-25'.				90		
													75		
7													100		
-20 —		5 -	55%	-	Medium Dense	†					130	0-1			
+						Delige						140			
+												102			
4												100			
_												140			
-25 —		6	-		58%			-heavy petrole:	coating o um odor f	f clear oil and strong rom 25'-32'			106	0-1	
001	MENTS S				200 DT D.	us at Division	h Cananata	al a a const	ء الشاء الم	" diameter macrocore				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.

TEST BORING LOG Corporation **BORING NO.:** HISB-112 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** 140 -black staining at 28'. 107 Wet 104 62% 86 0-1 170 120 Fine-coarse SAND, little fine-medium gravel. Brown NAPL staining and 112 slight coating. 6.0 -35 N/A SW Loose 0.0 8 7.0 Fine-coarse SAND, trace fine-medium gravel. Faint naphthalene-like odor. 10 7.0 N/A 0.0 9 Brown-1.0 Fine-medium SAND, trace fine-Light Brown medium gravel. No MGP impact 2.0 noted. 0.0 N/A 10 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. Borehole hand cleared from 0'-5' bgs.

URS Corporation								TEST BORING LOG							
									BORING NO. :	HISB-	HISB-113				
PROJECT/PROJECT LOCATION: National Grid MGP PDI, Hempstead, New York									SHEET:	1 OF	1 OF 2				
CLIENT: National Grid									JOB NO. :	11175	065.000	11			
BORING CONTRACTOR: F + N									BORING LOCATION: Intersection Street						
GROU	NDWATER:		~30'	bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N: N/A					
DATE	DATE TIME LEVE		LEVEL TYPE			Macrocore			DATE STARTED: 10/31/08						
				DIA.		2-inch			DATE FINISHED:	10/31/	08				
									DRILLER:	K. Kegel					
				FALL					GEOLOGIST:	M. Dascoli					
				* 1	POCKET	PENETROMETE	R READING		REVIEWED BY:	K. Connare					
DEPTH FEET	STRATA	SAMPLE		REC%	COLOR	SOIL CONSISTENCY	M		ATERIAL	USCS	MGP COLOR	PID	MOISTURE		
		NO.	BLOW	RQD%	COLOR	ROCK HARDNESS	DESCRIPTION		SCRIPTION	1 0505	CODE	FID	HCN		
•															
0—		1	-	100%	Dark Brown	Medium Dense	FILL. F trace f MGP i	FILL		0.0	Moist 0.0				
-5		2	-	82%	Light Brown	Loose- Medium Dense	Fine-cc MGP ir	parse GRAnpacts.	SW-GW		0.0	0.0			
	Oak (3	-	82%	Orange- Light Brown	Loose		edium SA n gravel, t	SW		0.0	Dry 0.0			
		4	-	82%					ND, some fine- No MGP impact.			0.0	0.0		
20 —		5	-	72%			-trace s	silt from 2	2'-25'.			0.0	0.0		
25 —		6	-	72%	Gray	th Connection	'		RAVEL and SAND.	SW-GW		50.6	Moist		

Borehole backfilled with cement-bentonite grout to grade.

Borehole hand cleared from 0'-5' bgs.

TEST BORING LOG Corporation **BORING NO.:** HISB-113 PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP **MOISTURE** SAMPLE REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID COLOR **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Moderate-heavy oil coating and 65.7 1.0 staining, moderate petroleum odor. 85.4 111 0.0 121 83% 78 Wet Tan 155 1.0 CLAY, trace fine gravel. Slight Very Stiff 64 0.0 petroleum odor. Light Loose SW 200 Medium-coarse SAND, little fine-Gray -35 medium gravel. Trace silt from 35'-83% Medium 0.0 8 Brown 8.4 38'. Moderate petroleum odor and Dense staining to 35'. Faint petroleum odor 8.7 from 35'-38'. Orange-Brown GW Fine-coarse GRAVEL, some finecoarse sand. Faint petroleum odor. 8.4 83% SW 0.0 Loose-10.4 Fine-medium SAND, trace fine gravel Medium and silt. Faint petroleum odor. Dense SW-GW 5.0 Medium-coarse SAND and GRAVEL. No impact noted. 10 10 88% SW 0.7 0.0 Fine-coarse SAND, trace fine-coarse gravel. No impact. 1.1 Medium GRAVEL, some coarse sand. GP 2.3 No impact. SW 3.4 Fine-coarse SAND, trace fine-medium gravel. No impact. 5.3 -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.

BORING NO.: HISB-113

Borehole backfilled with cement-bentonite grout to grade.

Borehole hand cleared from 0'-5' bgs

URS Corporation								TEST BORING LOG						
									BORING NO. :	HISB-				
		CT LOCA	TION: Natio		·k	SHEET:	1 OF							
CLIENT				nal Grid		JOB NO. :		065.000	11					
	G CONTRA		Zebra	<u>a</u>	BORING LOCATION									
GROUNDWATER: N/A CAS. SAMPLER CORE TUBE									GROUND ELEVATION: N/A					
DATE	TIME	LEVEL	. TYPE	TYPE		Macrocore			DATE STARTED:	6/23/0				
				DIA.		2-inch			DATE FINISHED:	6/23/0				
				WT.					DRILLER:		Moriatis			
				FALL					GEOLOGIST:		shman			
				* P	OCKET P	ENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare			
DEPTH		SAN	/IPLE	REC%	ا ا	SOIL		MATERIAL			MGP		MOISTURE	
FEET	STRATA	NO.	BLOW	RQD%	COLOR	CONSISTENCY ROCK	1		SCRIPTION		COLOR	PID	HCN	
			COUNT			HARDNESS					CODE		1.0.0	
о ¬														
+ 1														
4 1														
_														
-5														
+ 1														
4 1														
1														
1 1														
-10 —														
-														
-														
1														
-15 —														
-														
_														
1														
-20 —														
-														
4 1														
1														
-25 —														
		I		I	1								I	
						n Geoprobe. (Groundwa	ater samp	led with Hydropunch at	specifie	d interva	ls.		
			ent-bentonit			for Total BTI	EV and T	otal DAU	<u> </u>					

TEST BORING LOG URS Corporation **BORING NO.: HISB-116** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** -30 Wet Groundwater samples analyzed for Total BTEX and Total PAHs. Total BTEX = ND Total PAH = ND -35 -40 2 Wet Groundwater samples analyzed for Total BTEX and Total PAHs. Total BTEX = ND Total PAH = ND -45 -50 3 Wet Groundwater samples analyzed for Total BTEX and Total PAHs. Total BTEX = 1.3 ug/L Total PAH = ND -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.

TEST BORING LOG Corporation **BORING NO.: HISB-116** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 3 OF **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** -60 Wet Groundwater samples analyzed for Total BTEX and Total PAHs. Total BTEX = 103 ug/L Total PAH = 199 ug/L -65 Wet 5 Groundwater samples analyzed for Total BTEX and Total PAHs. Total BTEX = 5.5 ug/L Total PAH = 37 ug/L-80 Wet 6 Groundwater samples analyzed for Total BTEX and Total PAHs. Total BTEX = 90.8 ug/L Total PAH = 330 ug/L -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.

TEST BORING LOG URS Corporation **BORING NO.: HISB-116** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 4 OF **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL MGP SAMPLE **MOISTURE** REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA COLOR USCS COLOR PID **FEET BLOW** ROCK NO. DESCRIPTION HCN RQD % CODE COUNT **HARDNESS** Wet Groundwater samples analyzed for Total BTEX and Total PAHs. Total BTEX = 99.9 ug/L Total PAH = 451 ug/L -95 100 8 Wet Groundwater samples analyzed for Total BTEX and Total PAHs. Total BTEX = 291.5 ug/L Total PAH = 604 ug/L 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.

BORING NO.: HISB-116

Groundwater Plume Delineation/Design Criteria = 100 ug/L for Total BTEX and Total PAHs.

			TΠ	Se	5 /	۰	pora	tion			DODING.		ESIE		NG L	_OG	
DRO IE	CT/DRO IF	CT L OC						Hempstead,	Now Vo		BORING I	1O. :		R-30			
CLIENT		ECT LOCA		Nation			<u> </u>	nempsteau,	, New Yor	К	SHEET: 1 OF 3 JOB NO.: 11175065.00011						
		ACTOR:		Zebra							BORING LOCATION: N/A						
BORING CONTRACTOR: Zebra GROUNDWATER: ~20' bgs CAS. SAMPLER CORE TUBE										GROUND ELEVATION: N/A							
DATE	TIME	LEVE		YPE	1	/PE	UAG.	Macrocore	COIL	TOBE	DATE STA			8/09			
DATE	11111				DI			2-inch			DATE FIN			18/09			
		+			W			Z-IIIGII			DRILLER			Moraiti			
		+				ALL			+		GEOLOG			Dasco			
		+			+		OCKET P	LENETROMETE	ER READIN	IG	REVIEWE		J. !	Boyd			
		 	DEC®/	\top			SOIL				1		MGP				
DEPTH FEET	STRATA	SAMPLE_ NO.	REC%	co	OLOR		ISISTENC ROCK ARDNESS			ERIAL RIPTION		uscs	I I	PID	HCN	H2S	MOISTURE
-10 —		1	52%	В	rown		N/A	Fine-med	dium SANI aphthalen	D, trace fi	ine gravel.	SW		32.4 15.3	4.0	1.0	Wet
-25	MENTO: P	2	50%	th 2.6	620.0)T Di-	rect Duck	Fine-coar	rse SAND			maoras	ore	47.8 247 340 153	4.0 6.0 4.0 0.0	1.0 1.0 2.0 0.0	
Borin	IMENTS: B ng backfille pling begin	d with cen	nent-ben					деоргове а	inu sampli	<u>=u with a</u>	∠ ulameter	macroco	<u>ле.</u>				

BORING NO.: IPR-30

TEST BORING LOG URS Corporation **BORING NO.: IPR-30** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL DEPTH** SAMPLE CONSISTENCY COLOR PID HCN H2S MOISTURE STRATA COLOR USCS DESCRIPTION **FEET** NO. **ROCK** RQD% CODE **HARDNESS** 228 42 5.0 Fine-medium SAND. 2-inches of black NAPL staining at 27'. Black 243 64 7.0 1/4"-2" lenses of heavy NAPL coating, sheen, and strong naphthalene-like 295 82 7.0 odor from 28'-29' 395 102 8.0 Fine SAND, little silt. Black 1/4"-2" 43% 3 Light lenses of heavy NAPL coating, sheen, 512 17 1.0 Brown and strong naphthalene-like odor from 221 9.0 0-1 29'-29.5'. Dark 76 1 7.0 0.0 Fine SAND, little silt. Strong Brown naphthalene-like odor throughout. 96.2 7.0 0.0 Dark brown NAPL saturation and product from 30.5'-31.25'. Dark brown 161 6.0 0.0 NAPL saturation from 32'-32.5'. NAPL sheen from 31.25'-33'. 25% Light 132 3.0 0.0 Brown-Fine SAND, little silt. Moderate-strong Gray SW 187 6.0 0.0 naphthalene-like odor. 7.0 113 0.0 Fine-coarse SAND, some fine gravel. Brown Moderate-strong naphthalene-like ML 48.3 13 0.0 odor. 42.2 12 0.0 SILT, little fine sand. Moderate-strong 43% SW 5 Light 4.3 0.0 0.0 naphthalene-like odor. Brown 0.2 0.0 0.0 Fine-medium SAND. Faint naphthalene-like odor. 0.0 0.0 0.0 -with some coarse sand, trace fine-0.0 0.0 0.0 coarse gravel from 43'-45'. 0.0 0.0 0.0 23% 0.0 0.0 0.0 6 Fine-coarse SAND, trace fine gravel. No MGP impacts noted. 5.7 0.0 0.0 1.3 0.0 0.0 0.3 0.0 0.0 0.0 0.0 0.0 -50 33% 0.0 0.0 0.0 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 3% SM 0.0 0.0 0.0 8 Fine SAND, some silt. No MGP impacts. 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. **BORING NO.: IPR-30**

TEST BORING LOG URS Corporation BORING NO.: IPR-30 PROJECT: National Grid MGP PDI, Hempstead, New York OF 3 SHEET: 3 **CLIENT: National Grid** JOB NO.:11175065.00011 SOIL REC% **MATERIAL** DEPTH SAMPLE CONSISTENCY MOISTURE STRATA COLOR USCS COLOR PID HCN H2S DESCRIPTION **FEET** NO. RQD% ROCK CODE **HARDNESS** 0.0 0.0 0.0 0.0 0.0 0.0 Fine-medium SAND, trace fine gravel. 57% SW 1.0 0.0 3.4 Faint naphthalene-like odor. 1.0 0.0 1.4 Fine-coarse SAND, little fine-coarse gravel. No MGP impacts. 0.4 0.0 0.0 Fine-medium SAND. No MGP SP 0.2 1.0 0.0 impacts. Very Dense ML Dark 0.0 4.0 0.0 Fine SAND and SILT, little clay. No Brown -65 25% MGP impact. SM 14.9 1.0 0.0 Light 9.6 1.0 0.0 Fine SAND, some silt. Faint Brown naphthalene-like odor. 11.1 4.0 0.0 Fine SAND, some silt. No MGP 13.9 5.0 0.0 impact. 0.0 8.3 5.0 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. **BORING NO.: IPR-30**

URS corporation									TEST BORING LOG					
			UN	<u> </u>	rpora	ation			BORING NO. :	ISS-0	1			
PROJE	CT/PROJE	CT LOC	ATION: Na	tional Grid N	IGP PDI	, Hempstead, I	New York	(SHEET:	1 OF	3			
CLIENT	:		Na	tional Grid					JOB NO. :	11175	065.000	11		
BORING	G CONTRA	CTOR:	F+	N					BORING LOCATION:	On Sit	e			
GROUN	IDWATER:		~25	ō' bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATIO	N:N/A				
DATE	TIME	LEVE	EL TYP	Е ТҮРЕ	HSA	Split-spoon			DATE STARTED:	9/15/0	8			
				DIA.	4 1/4"	2"			DATE FINISHED:	9/16/0	8			
				WT.		140 lbs			DRILLER:	Charli	е			
				FALL		30"			GEOLOGIST:	J. Har	shman			
				*	POCKET	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Cor	nnare			
DEDTII		S	AMPLE	REC%	COLOR	SOIL CONSISTENCY ROCK HARDNESS		M	IATERIAL	MGP				
DEPTH FEET	STRATA	NO.	BLOW COUNT	RQD%			DESCRIPTION		USCS	COLOR	PID	REMARKS		
0-							Boreho	ole hand c	leared from 0'-5' bgs.					
+	XXX	1	5, 3	54%	Black-	Loose	FILL. F	ine sand	with some coal &	FILL		3.6	Dry	
-5—			5, 10		Brown			agments, alene-like	fine gravel. Slight odor.				1.0 Moist	
-		2	5, 5	50%			-black	staining fr	om 6'-7'.			3.0		
			3, 4		Brown				, trace fine gravel. No				Dry	
		3	16, 22	0%		Dense	MGPI	mpact no	iea.					
10			22, 30											
-10 —		4	6, 18	75%	Orange- Brown				ND and fine-coarse GP impact.	SW-GW		1.7		
			24, 30				GHAVI	LL. INU IVI	ог шрасі.					
1		5	9, 21	67%		Very Dense			ND, trace-little gravel.	SW		0.6	0-2	
†			34, 30				No MG	P impact.						
+		6	20, 20	67%		Dense						3.0	0-1	
-15 —			24, 25											
+		7	8, 10	58%		Medium						1.0	0-2	
+			16, 22			Dense								
-		8	5, 10	54%									0-1	
			15, 11											
-20 —		9	5, 8	63%	Orange-							0.0	0.0	
		9		03%	Red							0.0	0.0	
			15, 30				L							
		10	3, 12	67%	Orange- Dark	Dense			ND, little-some fine-			1.6	0-2	
			20, 16		Brown		<i></i>		No MGP impact.					
1		11	1, 3	67%	Brown- Light	Loose	Fine-co	arse SAN	ND, trace fine gravel. ne-like odor, light]		28	3.0	
-25 —			6, 12		Brown		coating	, and blac	ck and brown staining.				Wet	
ı	•.•.•!•!•!• <u></u>				J	l	l			I			I	

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.

TEST BORING LOG URS Corporation **BORING NO.: ISS-01** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID **REMARKS** COLOR **FEET BLOW** ROCK NO. DESCRIPTION RQD % CODE COUNT **HARDNESS** Medium 0-0 12 5, 4 75% Brown-10 Light Dense Brown 12, 22 -black staining, slight naphthalene-like odor, moderate NAPL coating at 27'. SP 13 5, 15 83% Dense 377 Fine SAND, trace fine gravel. Strong 25, 25 naphthalene-like odor. Thin bands of -30 NAPL saturation from 28'-30'. 79% 380 14 5, 4 Loose 3-4 6, 18 -black staining and NAPL saturation at 15 4, 12 92% Dense SW 75 0.0 22, 30 Fine-medium SAND, trace fine gravel. 16 6, 6 96% Medium Slight naphthalene-like odor. 350 Dense -35 6, 5 -NAPL sheen from 34'-36'. 0.0 17 4, 2 58% Loose 80 Fine-coarse SAND, some fine-coarse gravel. Little black staining, moderate 3, 14 naphthalene-like odor, light NAPL sheen. 50% 18 2, 2 Medium 0.6 Dense 9, 8 Medium-coarse GRAVEL, trace fine 33, 25 GW 19 67% Dense 0.0 Light 0.0 sand. No MGP impacts noted. . ⊠ 22, 22 SW Fine-medium SAND, trace gravel. No MGP impact. 20 50, 20 54% SW-GW Fine-coarse SAND and GRAVEL. No 16, 18 MGP impact. 22, 14 58% Medium SW Fine-medium SAND, some medium-Dense 9 9 coarse gravel. No MGP impact. 0.0 0.0 22 21, 14 71% 10, 10 23 8, 14 75% Brown-Dense 6.0 Light -little fine-coarse gravel. Trace black Brown 16, 24 NAPL staining and naphthalene-like odor from 48.5'-50'. -50 24 49, 28 50% SW-GW 0.0 0.0 Fine-medium SAND and GRAVEL. 18, 15 No MGP impact. 25 24, 9 54% Medium 7.15 -sheen from 52.5'-54'. 26 21, 14 75% -55 10, 10 0.0 -coarse gravel at 55'. SW 27 4, 7 67% Light Brown Fine-coarse SAND, trace coarse 18, 13 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.

TEST BORING LOG Corporation **BORING NO.: ISS-01** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 3 OF 3 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID **REMARKS** COLOR **FEET BLOW** ROCK NO. DESCRIPTION CODE RQD % COUNT **HARDNESS** 28 5, 4 33% Light Loose SP Fine-medium SAND. Brown 5, 10 -60 29 16, 12 83% Medium 0.0 -naphthalene-like odor, black staining Dense and moderate coating from 60'-62'. 6, 16 10 SW 30 12, 14 42% 0.0 Fine-medium SAND, trace gravel. Slight naphthalene-like odor and 10, 24 sheen. 67% 31 32, 26 Dense 15 -65 -naphthalene-like odor from 64'-66'. 16, 22 0.0 17, 26 92% -some medium gravel. Black NAPL 32 8.0 staining and naphthalene-like odor, 22, 30 NAPL coating, sheens, and blebs from 25 66'-69'. 33 22, 11 63% Brown-Medium 8.0 Gray Dense Fine-coarse SAND and GRAVEL. No SW-GW 2.10 20 MGP impact from 68'-70'. Orange 2 -70 Fine SILTY SAND. No MGP impact. End of boring at 70' bgs. -75 -80 -85 -90 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.

			TTD	C					L TES	ST BO	RING	LOG	ì
			UR	<u>ဘ</u> င	rpora	ation			BORING NO. :	ISS-02	2		
PROJE	CT/PROJE	CT LOC	ATION: Nati	onal Grid N	IGP PDI,	, Hempstead, I	New Yorl	(SHEET:	1 OF	2		
CLIENT	:		Nati	onal Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:	F+1	N					BORING LOCATION:	On Sit	te		
GROUN	IDWATER:		~25'	bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATIO	N: N/A			
DATE	TIME	LEVE	EL TYPE	TYPE	HSA	Split-spoon			DATE STARTED:	9/19/0	18		
				DIA.	4 1/4"	2"			DATE FINISHED:	9/19/0	18		
				WT.		140 lbs			DRILLER:	Charli	е		
				FALL		30"			GEOLOGIST:	J. Har	shman		
				*	POCKET	PENETROMETE	R READIN	IG	REVIEWED BY:	K. Co	nnare		
		S	AMPLE	REC%		SOIL			1		MGP		
DEPTH FEET	STRATA	NO.	BLOW COUNT	RQD%	COLOR	CONSISTENCY ROCK HARDNESS			IATERIAL SCRIPTION	uscs	COLOR	PID	REMARKS
_													
0-							Boreho	ole hand-c	cleared from 0'-5' bgs.				
-5 —		1	14 9 5 4	13%	Dark Brown	Medium Dense			se sand with little fine ck fragments, trace	FILL		0.0	Dry 0.0
-		2	5 2 3	50%		Loose						2.0	
-		3	5 12 4 4	83%	Light							0.4	
10 —		4	12 5 10 17 24	100%	Brown- Orange	Medium Dense		parse SAN iP impact	ND, trace fine gravel.	-		0.0	0.0
-		5	15 11 20 28	79%	Dark Brown	Dense							
15 —		6	12 24 28 28	100%	Light Brown- Brown	Very Dense		arse SAN No MGF	ND, trace-little fine impact.				0.0
-		7	12 15 14 18	83%		Medium Dense	gravel.	Moderat rown stai	ND, little fine-medium te naphthalene-like ning and slight NAPL	SW		110	1.0
		8	9 14 22 28	79%		Dense	Coating	j.				100- 200	0-1
20 —		9	18 20 20 20 26	83%								150- 300	1.0
=		10	12 24 24 26	83%									0-1
25 —		11	6 8 12 15	79%		Medium Dense			NAPL coating from naphthalene-like			300- 700	Wet 1-4

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.

TEST BORING LOG URS Corporation **BORING NO.: ISS-02** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID **REMARKS** COLOR **FEET BLOW** NO. ROCK DESCRIPTION CODE RQD % COUNT **HARDNESS** 12 100% odor, staining. 400-1-3 10 600 15 20 13 10 100% Very Dense 1750 1-5 -slight-moderate NAPL coating from 20 30 40 -30 14 83% Medium 1850 4 24 -moderate NAPL coating from 30'-31'. 6 Dense 20 SM Fine SILTY SAND. Bands of NAPL 24 saturation, strong naphthalene-like 15 92% 500 8.0 8 odor, 31'-33'. 12 -moderate NAPL coating and blebs 12 from 33'-34'. 16 9 100% Dense 30-80 1.0 15 Fine-medium SAND. Slight -35 naphthalene-like odor, light NAPL Light 18 22 Brown sheen. End of boring at 36' bgs. 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.

Content. Boring backfilled with cement-bentonite grout to grade. Borehole hand cleared from 0'-5' bgs.

Sampling performed with 2" diameter split spoon samplers. Sample ISS-02/20-22' and ISS-02/32-34' collected for Moisture

URS corporation									TEST BORING LOG					
			UK	O Co	rpora	ition			BORING NO. :	ISS-03	3			
PROJE	CT/PROJE	CT LOC	ATION: Natio	nal Grid M	IGP PDI,	Hempstead, N	lew York	<	SHEET:	1 OF	2			
CLIENT	:		Natio	nal Grid					JOB NO. :	11175	065.000	11		
BORING	G CONTRA	CTOR:	F + N						BORING LOCATION:	On Sit	е			
GROUN	IDWATER:		~25' k	ogs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N: N/A				
DATE	TIME	LEVE	L TYPE	TYPE	HSA	Split-spoon			DATE STARTED:	9/22/0	8			
				DIA.	4 1/4"	2"			DATE FINISHED:	9/22/0	8			
				WT.		140 lbs			DRILLER:	Charli	е			
				FALL		30"			GEOLOGIST:	J. Har	shman			
				* F	POCKET	PENETROMETE	R READIN	iG	REVIEWED BY:	K. Cor	nnare			
		SA	MPLE	REC%		SOIL					MGP			
DEPTH FEET	STRATA	NO.	BLOW COUNT	RQD%	COLOR	CONSISTENCY ROCK HARDNESS			ATERIAL SCRIPTION	uscs	COLOR CODE	PID	REMARKS	
			•											
0-							Interva 5' bgs.		red with hand tools to					
-		1	27	38%	Black	Dense	EII 1	Eine coar	se sand and gravel,	FILL		2.5	Dry	
-5-			25 14				some a	ash-like m	aterial, coal '. No MGP impact.				0.0	
-		2	5 3	67%		Medium	liagille	1115 10 6.5	. No war impact.			1.5	0-1	
-			5 6		Light	Dense	Fine-co	arse SAN	ID, some-trace fine-	SW				
			6	222/	Brown		coarse	gravel. N	lo MGP impact.					
		3	14 10	63%								2.0	0.0	
			10 14											
-10 —		4	10 7	79%									0-1	
-			12				Fine-coarse SAN							
-	<mark>tababa</mark>	5	20 12	75%	Brown-				ID trace fine gravel			6.0		
-			12 14		Black				ND, trace fine gravel. ne-like odor.					
_		6	24 12	67%		Very Dense						10		
-15 —		0	24	0770		very bense						10		
			27 28											
1		7	8 20	67%		Dense			ID, some fine-coarse			60	1.0	
1			20						d brown NAPL te naphthalene-like					
+		8	18 8	67%		Medium	odor.	-	•				0-1	
-			10 12			Dense	-light N	IAPL coat	ing from 18'-22'.					
-20 —		9	16 10	67%								100	1.0	
		9	11	0770								100	1.0	
			12 9				~							
1		10	8	75%	Orange- Brown		Fine-co	arse SAN	ND, little fine-coarse					
			8				slight n	aphthaler	ck NAPL staining, ne-like odor. Thin					
+		11	12 8	67%			bands	of black s	taining from 22.5'-24'.				2.0	
-25 —			10 14 14						ND and GRAVEL. nalene-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.

TEST BORING LOG URS Corporation **BORING NO.: ISS-03** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE RFC % **DEPTH** CONSISTANCY **MATERIAL** STRATA uscs COLOR PID **REMARKS** COLOR **FEET BLOW** ROCK NO. DESCRIPTION RQD % CODE COUNT **HARDNESS** SW 12 83% Light 3.0 6 Brown Fine-medium SAND, trace fine gravel. Slight-moderate NAPL coating, 7 strong naphthalene-like odor at 28'. 13 8 100% Dense 113 0-1 14 -trace silt. Slight NAPL coating, 17 strong naphthalene-like odor, brown 25 NAPL staining in thin bands from 28'-30 88% 14 145 0.0 17 -brown NAPL staining, coating and 22 naphthalene-like odor from 30'-32'. 26 Dark brown stringers of NAPL. 15 100% Medium 187 3.0 4 -brown NAPL staining, thin lenses of 4 Dense NAPL saturation, strong naphthalene-like odor from 32'-34'. 14 16 16 6 100% Brown 87 -light NAPL coating, strong 9 -35 naphthalene-like odor from 34'-36', 14 NAPL saturation in thin lens at 35'. 18 -slight naphthalene-like odor from 36'-17 8 83% 2.0 Light 12 Brown 38', slight NAPL coating from 36'-36.5'. 15 20 SP 18 5 100% 24 0.5 Fine SAND, trace gravel. DNAPL 9 stringers from 39'-39.5'. Slight 15 naphthalene-like odor. 24 SW 19 67% 20 2 Light 40 Fine-medium SAND, little fine-medium 2 Browngravel. Thin lenses of moderate-Gray 10 heavy NAPL coating. 15 20 35 83% Light Dense 30 Fine-coarse SAND, little fine-coarse Brown 16 gravel, trace cobbles. Thin lens of 16 16 NAPL saturation at 42'. NAPL 75% Medium staining, coating, blebs, sheen, and 30-60 9 moderate naphthalene-like odor. 9 -several lenses of NAPL saturation, 20 moderate naphthalene-like odor from 22 24 50% 4.0 1.0 44'-46'. 12 GW 12 Fine-coarse SAND. NAPL sheen, 20 slight naphthalene-like odor. 23 50% Very Loose SW 5.0 2 Fine-medium GRAVEL, trace fine-2 coarse sand. Light NAPL coating, 10 -50 blebs, and slight naphthalene-like Fine-coarse SAND, trace fine-coarse gravel, trace cobble. Slight NAPL coating, sheen, slight naphthalene-like odor. End of boring at 50' bgs. -55 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

BORING NO.: ISS-03

Content. Boring backfilled with cement-bentonite grout to grade. Borehole hand cleared from 0'-5' bgs.

			TΠ	C					TES	т во	RING	LOG	Ì
			UR	S co	rpora	ation			BORING NO. :	ISS-0	4		
PROJE	CT/PROJE	CT LOC	ATION: Nati	ional Grid N	IGP PDI,	Hempstead, I	New York	(SHEET:	1 OF	2		
CLIENT	` :		Nati	ional Grid					JOB NO. :	11175	065.000	11	
BORING	G CONTRA	CTOR:	F+	N					BORING LOCATION:	MOB	Parking L	_ot	
GROUN	IDWATER:		~22	' bgs	CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION	N:N/A			
DATE	TIME	LEV	EL TYPE	ТҮРЕ	HSA	Split-spoon			DATE STARTED:	10/4/0	8		
				DIA.	4 1/4"	2"			DATE FINISHED:	10/4/0	8		
				WT.		140 lbs			DRILLER:	Charli	е		
				FALL		30"			GEOLOGIST:	J. Har	shman		
				* F	POCKET	PENETROMETE	R READIN	G	REVIEWED BY:	K. Co	nnare		
		S	—— AMPLE	REC%		SOIL					MGP		
DEPTH	STRATA		BLOW		COLOR	OR CONSISTENCY		MATERIAL		USCS	COLOR	PID	REMARKS
FEET		NO. COUNT		RQD%		ROCK HARDNESS		DESCRIPTION			CODE		
				<u> </u>			<u>I</u>			<u>I</u>			
0-							Davaha	la hanal a	January France Ol Allbana				
4							Boreno	le hand-d	eleared from 0'-4' bgs.				
1	· · · · · · · · · · · · ·	1	12	67%	Dark	Medium Dense	Fine-co	arse SAN	ND, trace little fine-	SW		0.0	Dry
-5			5 9		Brown	Dense			No MGP impact.				0-1
-		2	14 9	100%	Light	Very Dense	<u> </u>					2.3	0.0
		-	25	10070	Brown	70.7 2000						2.0	0.0
			32 34										
		3	11 12	92%		Medium Dense						4.0	
			12 7										
10 —		4	8	75%	Dark	Dense	-faint n	aphthaler	ne-like odor from 10'-			8.0	0.0
-			14 21		Brown		16'.						
-		5	24 10	75%	Light	Very Dense	<u> </u>					25	
			20	7070	Brown	Voly Bolloo						20	
			30 32										
		6	14 22	75%	Light Brown-	Dense						85	1.0
15 —			22 24		Orange								
+		7	8	79%		Medium			thalene-like odor from			300	0.0
-			14 15		Light	Dense	16'-18'.						
4		8	22 7	75%	Brown	Very Dense	troop		nd moderate			400	
		٠	18	75/0		very Delise	naphth	alene-like	nd, moderate odor and trace			+00	
_			34 37				staining	from 18	'-20'.				
20 —		9	10 12	100%		Dense	-moder	ate naphi	thalene-like odor from				1.0
1			20				20'-22'.						
+		10	25 6	75%		Medium	-light N	APL coat	ing on gravel, trace			500	Wet
-			10 14			Dense	modera	ite naphtl	d brown staining, nalene-like odor from				0.0
			18	750/			22'-24'.	•	iting, naphthalene-like				0.0
25 —		11	4 9	75%			odor a	nd sheen	from 24'-27'.				2.0
			14 4										
'					'					1			I

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.

TEST BORING LOG Corporation **ISS-04 BORING NO.:** PROJECT: National Grid MGP PDI, Hempstead, New York SHEET: 2 OF 2 **CLIENT: National Grid** JOB NO.: 11175065.00011 SOIL MGP SAMPLE REC % **DEPTH** CONSISTANCY **MATERIAL** STRATA USCS COLOR PID **REMARKS** COLOR **FEET BLOW** ROCK NO. DESCRIPTION RQD % CODE COUNT **HARDNESS** 16 0.0 Fine SAND. NAPL staining, slight 5 NAPL coating, sheen, strong SP 16 naphthalene-like odor from 27'-28'. 18 13 12 100% Dense SW 2000 7.0 Fine-coarse SAND, trace fine gravel. 18 Brown NAPL staining, sheen, strong SP 21 naphthalene-like odor from 28'-29'. 17 100% SW 0.0 14 8 150 Fine SAND. Lenses of NAPL 12 saturation, strong naphthalene-like 20 odor, sheen from 29'-30'. 26 15 100% SP 500 15 Fine-coarse SAND, trace coarse 20 gravel. Moderate NAPL coating, SW 24 moderate naphthalene-like odor and 16 4 100% Medium sheen from 30'-32'. 5 Dense -35 0.0 10 Fine SAND, trace coarse gravel. 14 SW-GW Slight brown NAPL staining and light 17 4 100% SW 100 coating from 32'-33'. 5 9 Fine-medium SAND. NO MGP 16 impacts noted from 33'-34'. 79% 18 5 20 10 Fine SAND. Heavy NAPL sheen, 12 coating from 34'-35.5'. 24 Fine-coarse SAND and GRAVEL. Light NAPL sheen. Fine-coarse SAND. Slight naphthalene-like odor throughout. Slight NAPL staining at 37'. End of boring at 40' bgs. Drill cuttings from 20'-40' collected into four 5-gallon buckets for bench scale testing. -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-04/18-20' and ISS-04/32-34' collected for Moisture

BORING NO.: ISS-04

Content. Boring backfilled with cement-bentonite grout to grade. Borehole hand cleared from 0'-4' bgs.

URS

77 Goodell Street Buffalo, New York 14203 (716) 856-5636

TEST PIT LOG

PROJECT:		Hempstead MGP PDI		Sheet 1 of 1						
CLIENT:		National Grid	JOB NUMBER:	11175065.00011						
CONTRACT	OR:	Entact	LOCATION:	East side of Sold Property, Hempstead	I. NY					
DATE STAF		9/17/2008	OPERATOR:	Entact						
DATE COM		9/17/2008 GEOLOGIST : J. Harshman								
TRENCH N		TP-105	WEATHER:	Sunny, calm-light breeze, 70°						
DEPTH	USCS			, ,						
(FT)		DESCRI	PTION		PID					
1	Fill	FILL. Dark brown loamy soil w material) debris, black cinder, o			0-1 ppm					
2		-Concrete block encountered	d (2' X 2'). Old clay stormdra	ain pipe containing oil water	0-3 ppm					
3			of water contained in old pipe							
4		-Old clay stormdrain pipe co contained in old pipe.	ntaining oily water with sheer	n. Limited amount of water						
5 6		contained in die pipe.								
7	SP 	Light brown fine-coarse SAND with fine-coarse gravel. Dry. No MGP impacts or subsurface structures encountered.								
8										
9	\downarrow				↓					
	•	Bottom of Test Pit at 9' bgs.		•						
10										
11										
12										
13										
COMMENT	S:	-Test pit excavated with a track								
		-No sustained PID readings in	ambient air. No sustained P	ID or CAMP readings.						
		-Pit dimensions are approximate	tely 20' long X 5' wide X 9' de	еер.						