HAI ALD	LEY&- DRICH			E	NVIRONMENTAL TEST PIT L	.og DR	ΑF	Ŧ					10	-0		
										Pag	je]	l	of		1
PROJECT			East Station		GP Site	H&A FILE NO.		92-0						—	—	
LOCATIO	ON		Rochester,			PROJECT MGR.		ıg A								_
CLIENT			Rochester (Jas & Elect	ric Corporation	FIELD REP	Sha	wn F	off						—	
CONTRA			Sevenson E	invironment	al Services, Inc.	DATE	4-Ja	n-20	11							_
EQUIPME	ENT		Track-mou	nted Komats	su PC400LC Excavator	WEATHER				ıy w/		v Sho	wers	, 30	s°F	_
Ground E		from 404.6 t	to 406.9	ft.	Location See Plan	Groundwater depths/en	-		•		1.):					
El. Datun	n <u>NYS B</u>	arge Canal					~().3 iı	ı./m	in.					_	
		DID.	Stratum		Visual Identification		Gra	avel		Sand	ı		F	ield	Tes	ŧ
Depth (ft.)	Sample ID	PID Reading (ppm.)	Change Depth (ft.)	USCS Symbol	(Color, GROUP NAME & SYMBOL, % oversize particle size, structure, odor, moisture, optional geologic interpretation)		% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	i
		0.0	0.5	SM	-TOPSOIL/ROOT MAT- Light brown to yellow-brown silty SAND with gravel, 5% brick,	no odor moist	15	15	15	10	20	20		\equiv	_	
		0.0		SIVI	Light brown to yellow-brown sitty SAND with graver, 5% brick,	, no odor, moist	13	13	13	10	20	20	-	_	-	H
														_	_	F
			3.0												_	H
		0.8	T	SM	Gray to black silty SAND with gravel, ~5% total brick										_	L
4 —					and CLM, slight petroleum-like odd	or, moist	15	20	10	10	20	20	-	-	_	H
					Holder #11 floor											İ
	S1 6' - 8'					green-blue to tan LIME pocker , moist (PID=0.5)										ŀ
	S2				ho odor,	, moist (1 1D=0.3)										t
	6' - 8'				>										_	L
•					<u> </u>		@ 7.	6 H	appr	ΟX					_	H
8 –			8.5			IC SOIL and decomposed										L
	S3 —					, MGP-like odor like undertones, moist									_	H
	8.5' - 10.5'				(PID=1.0)											H
		0.0		SM	Yellow-brown to orange-brown silty SAND, no odor, wet at 11.5 groundwater surface	5 ft, no sheen on	-	-	5	5	50	40	-	-	-	
12 —					Note: Sidewalls continually caving in at 11.5 ft, unable to advance	ee past 16.0 ft										
- 16 -			16.0													L
					Bottom of excavation at 16.0 ft										_	_
20 —																
															_	H
24 —														_	_	F
														\dashv		H
																L
										<u> </u>	\vdash			_	_	H
																t
														_	_	F
28 –	<u></u>								L						_	l
ostructi	ions:		Remarks:				ield			_	_				_	
										w N						_
			-			ghness: L - ticity: N - Nonplas				um ⊦ ⁄I-Me			High	_	_	_
			Bucket De	econtamin	ation Method: Dry S	Strength: N - None L -								ry Hi	gh	_
at depth		nding wate	er in compl	eted pit:	Diameter (in.) Number App ft. 12 to 24 3 =	prox. vol. (cu. ft.) 1 Pit De		Test	Pit	Dim	ens	ions		<u>:</u> 16.0		
measur	ed after	N	0.	.25	hrs. elapsed over 24 = = ons based on visual/manual methods of the USCS system	- Pit Ler	_							0 x 7		_

HAI ALD	EY& RICH			E	NVIRONMENTAL TEST PIT LOG	DR	٩F	Ŧ			P-	No.	02	(w	est)
PROJECT	•		East Station	n Former M	GP Site H8	A FILE NO.	364	92-0		. ug				<u> </u>	÷
LOCATIO			Rochester,			OJECT MGR.	Dou								
CLIENT			Rochester (Gas & Elect	ric Corporation FII	ELD REP	Sha								
CONTRAC	CTOR		Sevenson E	Environment	al Services, Inc.	ATE	20-I	Dec-2	2010						
EQUIPME						EATHER			unny	20s	°F				
Ground E	I. Range	from 412.2		ft.		ndwater depths/en									_
El. Datum		arge Canal					~0).5 ir	ı./mi	n.					
			Cturatuum		Visual Identification		Gra	avel	,	Sand			F	ield T	est
Depth (ft.)	Sample ID	PID Reading (ppm.)	Stratum Change Depth (ft.)	USCS Symbol	(Color, GROUP NAME & SYMBOL, % oversized, maximu particle size, structure, odor, moisture, optional description geologic interpretation)		% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity
			0.4		-TOPSOIL-										T
— 4 —	S1 2' - 4'	0.0		SM	Brown to orange-brown silty SAND with gravel, 5% brick and asphalt, no o	odor, moist	15	20	15	15	15	15	-	-	
			5.0												_
		1.3		SM	Gray-brown to brown silty SAND with gravel, 5% brick, trace clay, coal, a	sphalt, slight	15	15	15	10	15	25	-	-	-
	S2 6' - 8'				weathered petroleum-like odor, moist										+
															-
— 8 —															
															_
			10.0	<u>-</u>	Gray silty SAND with gravel, moderate Black CLM and CIND petroleum-like odor, wet, slight sheen (PID=16.9) slight to moderate naph	thalene-like odor,		10	30	25	20	15	-	-	-
			11.5		uwet, slight sheen (PID=	8.9)	-								-
— 12 —					Bottom of excavation at 11.5 ft										
															-
															-
— 16 —															_
															-
															-
_ 20 _															
															-
															_
														$ \blacksquare$	+
— 24 —															
															\perp
															\pm
															\perp
															+
_ 28 _															
				l											

Obstructions: Remarks: Field Tests Dilatancy: R - Rapid S - Slow N- None 1) West 1/2 of test pit on this log L - Low M - Medium H - High 2) Groundwater entry from the east Toughness: N - Nonplastic L - Low M - Medium H - High Plasticity: **Bucket Decontamination Method:** N - None L - Low M - Medium H - High V - Very High Dry Strength: Boulders: Test Pit Dimensions (ft.):

11.5 Diameter (in.) Number Standing water in completed pit: Approx. vol. (cu. ft.) at depth 10.0 ft. 12 to 24 2.8 Pit Depth Pit Length X Width measured after 0.25 hrs. elapsed over 24 69.0 x 13.0 NOTE: Soil identifications based on visual/manual methods of the USCS system as practiced by Haley & Aldrich, Inc. Form 2006 USCS Env.

HAI	EY& RICH			E	NVIR	ONMENTAL TES	T PIT LO	G DR	AF	•Т	ı			t No.		2 (ea	ast)
7 KLD	Tucii											Pag	ge	1		of	1
PROJECT			East Station	Former M	GP Site			H&A FILE NO.	364	92-0	06						
LOCATIO	N		Rochester,					PROJECT MGR.		ug A							
CLIENT			Rochester C	Gas & Elect	ric Corporation	on		FIELD REP	Sha	wn I	Poff						
CONTRA					al Services, I			DATE			2010						
EQUIPME					su PC400LC			WEATHER			unny						
Ground E El. Datum		from 412.2 targe Canal	to 415.1	ft.	Location	See Plan		Groundwater depths/	-		s (in n./m		n.):				
	1			1		Visual Ide	atification		1	avel	1	Sand	,		_	ield T	ost
Depth (ft.)	Sample ID	PID Reading (ppm.)	Stratum Change Depth (ft.)	USCS Symbol		(Color, GROUP NAME & SYME particle size, structure, odor, mo geologic inter	OL, % oversized, r isture, optional des		% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines		SS	Plasticity
		0.0	0.3	SM	Brown to or	-TOP ange-brown silty SAND with gravel		alt. trace concrete, no	15		15		15	15	_	_	
		***			odor, moist			.,									
– 4 –	4 0.8 SM Gray-brown to brown silty SAND with gravel, 5% brick, trace clay, coal, asphalt, slight weathered petroleum-like odor, moist								15	15	10	15	20	20	-	-	-
	0.8 SM Gray-brown to brown silty SAND with gravel, 5% brick, trace clay, coal, asphalt, slight																
- 8 -																	
— 12 —		17.2	12.0	<u>-</u>	Similar to a	bove, except moderate petroleum/na	ohthalene-like odor v	vet, sheen									
			14.0														
		42.3				SAND with gravel, with $\sim 40\%$ brice-like odor, wet	k, metal, concrete, d	lebris, strong	5	10	5	10	15	15	-	-	-
40			16.0														+
— 16 —			16.5		Note: Bucke	et refusal at 16.5 ft on probable bedr -WEATHERE	ock D REDBOCK										
							ation at 16.5 ft										\downarrow
																	+
																	#
_ 20 _																	
																	+
																	_
																	-
_ 24 _																	
																	+
_ 28 _																	-
Obstructi	ons.		Remarks:						Field	Toe	te					•	

L - Low M - Medium H - High
N - Nonplastic L - Low M - Medium H - High 2) Groundwater entry from the north Toughness: Plasticity: **Bucket Decontamination Method:** N - None L - Low M - Medium H - High V - Very High Boulders:
 Diameter (in.)
 Number

 12 to 24
 3
 Test Pit Dimensions (ft.): Standing water in completed pit: Approx. vol. (cu. ft.) Pit Depth at depth 12.0 1.5 Pit Length X Width measured after 0.25 hrs. elapsed over 24 NOTE: Soil identifications based on visual/manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

HAI	LEY&			E	NVIRONMENTAL TEST PIT L	.og DR	ΑF	- T		Tes	st Pir		10	-03	3	
7 1111	Auch									Paç	ge]	l	of		1
PROJECT	Г		East Station	Former M	GP Site	H&A FILE NO.	364	92-0	06							
LOCATIO	N		Rochester,	New York		PROJECT MGR.	Dou	ıg A	llen							
CLIENT			Rochester C	Gas & Elect	ric Corporation	FIELD REP	Sha	wn F	off							
CONTRA			Sevenson E	DATE	5-Ja	n-20	11									
EQUIPME					u PC400LC Excavator	WEATHER						v Sho	wers	30s	°F	_
Ground E		from 409.7 t arge Canal	to 411.2	ft.	Location See Plan	Groundwater depths/en	-		i (in. 1./mi		n.):					
Li. Dataii	1 113 B	arge Canar					T									_
Depth (ft.)	Sample ID	PID Reading (ppm.)	Stratum Change Depth (ft.)	USCS Symbol	Visual Identification (Color, GROUP NAME & SYMBOL, % oversize particle size, structure, odor, moisture, optional geologic interpretation)	•	% Coarse	avel %	% Coarse	Sand Wedium	% Fine	% Fines		Longhness Tonghi		
		0.0	0.3	SM	-TOPSOIL- Brown to light brown silty SAND with gravel, ~5% concrete pi	eces and brick, no odor, moist	10	10	10	10	30	25	-	-	-	-
<u> </u>			5.0			,-,,,										
	S1 6' - 8'	0.2		SM	Brown to gray-brown silty SAND, ~15% ALM and cinders, tr	concrete	5	5	10	15	25	25	-	-		-
– 8 –					Note: ~ 6 in. diameter clay pipe at 7.5 ft bgs in west sidewall; of	Floor of Holder #9										
	S2 10' - 12'	0.0	8.5	sm	(no NAPL or water) Yellow-brown to live-brown silty SAND with gravel, no odor, w	ret ~ 13.0 ft	10	10	5	10	35	30	-	-	-	-
— 12 —																
— 16 —																
			18.0	o clean out test pit due to												
					Bottom of excavation at 18.0 ft											
— 20 —																
_ 24 _																
_ 28 _																
Obstructi	ions:	<u>I</u>	Remarks:	<u> </u>	<u> </u>	F	ield	Tes	ts							_
					Dilat	ancy: R	- Rapi	d S	- Slo							_
					Touç Plas		Low tic L						High			
			Bucket De	contamin	ation Method: Dry	Strength: N - None L -								ry Hi	gh	_
at depth	n	nding wate		3.0	ft. 12 to 24 6 =	prox. vol. (cu. ft.) 3 Pit De	pth			Dim	nens	ions		18.0		
Concrete S at depth measure	ed after	N		.5 dentificati	hrs. elapsed over 24 1 =ons based on visual/manual methods of the USCS system	2 Pit Ler							27.0) x 2:	5.0	_

PROJECT East Station Former MGP Site							AL TE	ST PI	ΓLOC	3							P- 1	10-(
	CT East Station Former MGP Site H&A FILE NO. ION Rochester, New York PROJECT MGR. Rochester Gas & Electric Corporation FIELD REP ACTOR Sevenson Environmental Services, Inc. DATE							_		Page)	1	of	<u>i !</u>	1					
LOCATION Rochester, New York CLIENT Rochester Gas & Electric Corporation CONTRACTOR Sevenson Environmental Services, Inc. EQUIPMENT Track-mounted Komatsu PC400LC Excavator Ground El. ft. Location See Plan G									92-00				—							
	N				· Commention						IGR.		ıg Al				—	—	—	
					•								wn P				—			_
					,								in-20		17.0	CI.			- T	
			Track-mour							WEATHER roundwater de	anthe/an	_	_				ower	rs, 30s	,°F	_
Ground E El. Datum		arge Canal		π.	Location	See Plan				rounuwater u	ершысы	•		./mir):				
		arge	T		†		Vieual k	dentification				Gra	- 1		Sand	Т	丁	- Fia	ld Tes	_
Depth (ft.)	Sample ID	PID Reading (ppm.)	Stratum Change Depth (ft.)	USCS Symbol		Color, GROUP N article size, struc	NAME & SYN	MBOL, % ove noisture, opti	ersized, ma			% Coarse	wei %		Ę	% Fine	% Fines	Dilatancy Toughness		Π
			0.4					/ROOT MAT											丁	0,
	S1 2' - 5'	0.1		SM	Brown silty SA	ND with gravel, 1	10% concrete	and brick, no	odor, mois	st		20	15	10	10	15	20		-	
- 4 -																				
- 8 -	S2 9' - 11'	2.2	8.0	SM	Possible		ve-brown to b		ND, very sl	ight weathered		5	5	10	15	35	30			
	9-11	2.0	11.0		Similar to above	e, except with free	roleum-like o		,											
— 12 —			13.0			te: Refusal at ~12			oor —	→ [::::concr	ete , , , ·							\pm		
		2.3			friable under fir black staining p	ompletely weatherenger pressure, lam oresent in occasiona to sheen, occasiona	ninated to thin													
— 16 —			18.0																	
		0.0	19.0			LTSTONE, dry WEATHERED BE I		cavation at 19	/	ucket refusal at	19.0 ft							#		
— 20 —																				
— 24 —																				
													$\vdash \vdash$	\vdash	+	+	-	-		-
_ 28 _															\perp	土	\pm	上		
Obstruction	ons:		Remarks:									ield			_		_			_
None									Dilatancy: Toughness:					- Slow Mediun						
									Plasticity:		N - Nonplas	tic L	- Lov	w M	- Med	lium	H - H			_
			Bucket De	contamina	ation Method:			Boulders:	Dry Strength	n: N -	None L -	Low	M - N	/lediun	n H	- High	ı V	- Very	High	
at depth measure		nding wate		eted pit: 6.0	_ft. hrs. elapsed	Diameter 12 to 24 over 24				vol. (cu. ft.)	Pit De Pit Ler	pth		Pit [<u>Dime</u>	nsic		19.	.0	

HAL ALD	EY& RICH			E	NVIRO	NMEN	TAL	TES	T PIT	LO	G)R	٩F	T				P-	10			
PROJECT LOCATION CLIENT CONTRAC	N CTOR		Sevenson E	New York Gas & Electronic Electronic State Response Response	ric Corporation						PROJ FIELD DATE		R.	Shar 20-1		06 llen Poff 2010		je	1		of	1	
EQUIPME Ground E		from 415.8 t		ted Komats ft.	Location	See Plan					WEAT Groundw		ths/en			t, 20°		ı.):					=
El. Datum	NYS B	arge Canal	l _				Vis	ual Ident	ification					~(Gra		n./mi	n. Sand			F	ield [*]	Test	_
Depth (ft.)	Sample ID	PID Reading (ppm.)	Stratum Change Depth (ft.)	USCS Symbol		Color, GROUI article size, st	P NAME & tructure, o	& SYMBO	L, % over					% Coarse	% Fine		% Medium		% Fines	-	ıς		Strength
	S1 1.5' - 3.5'	0.0	0.3	SM	Brown to orang small boulders,		SAND with		OOT MAT- ∼10% con		cobbles, t	frequent		15	15	15	10	20	15	-	-	-	-
- 4 -		9.3	3.8	SM			, ~10% bi	rick, trace	ceramic,	slight wea	thered pet	roleum-		20	20	10	15	10	15	-	-	-	-
	9.3 SM Gray-silty SAND with gravel, ~10% brick, trace ceramic, slight weathered petroleur like odor, moist S2 7' - 10'																						
- 8 -		30.2																					
		7.5				to black silty SAND with gravel, ~50% bricks and debris, strong petroleum/ halene-like odor, wet, sheen ar to above, except black sandy SILT, slight naphthalene-like odor Bucket refusal at 17.3 ft, possible concrete																	
— 12 —		33.2	13.0	SM											10	5	5	10	15		-		
					naphthalene-like																		
— 16 —		1.5	16.0 16.7	ML					naphthalen	e-like odo	or			-	5	5	-	5	35	-	-	-	-
			171.0				Bottom	of excava	tion at 17.	3 ft													
_ 20 _																							
— 24 —																							
_ 28 _													-		-								
None None	ons:		Remarks:							Dilatancy: Toughness Plasticity:	S:	N - I	R-	Rapio .ow	M - N	- Slov Mediur	m H	l - Hig	gh	High		_	
			Bucket De	econtamin	ation Method:			Во	ulders:	Dry Streng	th:		ne L-I								ry Hig	jh	
at depth measure		nding wate		eted pit: 3.0 25	_ft. hrs. elapsed	12 t	ter (in.) to 24 er 24	Number 16	= :	Approx.	12 2		Pit Dep Pit Len	oth		Pit idth	Dim	ensi	ons		<u>:</u> 17.3) x 11	1.0	

HAL ALD	EY&=			E	NVIRO	NMENTA	AL TES	T PIT	LOG	I	DR/	٩F	Ŧ					0-0)6	
															Page		1	of	· 1	1
PROJECT			East Station		GP Site					&A FILE NO.			92-00						—	_
LOCATION	N		Rochester,		· · Composition					ROJECT MG	R.		ig Al							-
CLIENT	TOD				ric Corporation					IELD REP			wn P					—	—	\dashv
CONTRAC EQUIPMEI					al Services, Inc.					ATE /EATHER		_	Dec-2		200	017		—		-
		C 416 4 +			su PC400LC Exc					ndwater dep	+he/en			Sunny,			_	_	_	=
Ground El El. Datum		from 416.4 to arge Canal	0 419.2	ft.		See Plan stake at northeast of	corner			Huwares acp	iliioroi.	-		/min.	linna	,-				
							Visual Iden	tification				Gra	evel	s	and	T	\top	Fiel	d Tes	,
Depth (ft.)	Sample ID	PID Reading (ppm.)	Stratum Change Depth (ft.)	USCS Symbol		Color, GROUP NA particle size, structu	AME & SYMBO	OL, % over sture, optic				% Coarse	% Fine		Ę	% Fine	% Fines Dilatancy	·Ω		Strength
			0.6				-TOPS											芷		0,
	S1 2' - 5'	0.0		SM		ge-brown silty SANI onal boulders, no oc		5% asphalt	pieces, trace	brick, frequent		10	20	10	15	20 2	20 -			-
_ 4 _													\vdash		+	+	+	+	\vdash	H
0.0 ML Light brown to gray sandy SILT, trace CLM, no odor, wet ~11.5 ft, resembles foundry sand S2 7'- 10'											-	-	-	- .	50 5	50 R	R L	N	-	
- 8 -	7'- 10'																			
— 12 —		3.6	13.0	SM		ID with gravel, 50%, slight petroleum/na	sional metal		5	10	5	5	10 1	15 -			-			
_ }			16.0										\square		4	\perp	+	\blacksquare		
— 16 —		87.2	10.0	SM	Similar to above small blebs (trac	re, except black (star ace) TLM	uined), strong na	aphthalene-l	like odor, wet	, sheen, freque	ent					#		+		
-			18.0		Note: Bucket re	efusal at 18.0 ft on .	, possible conci Bottom of excava		0 ft											
_ 20 _																				
_ 24 _																				
_ 28 _																		1		
Obstructio	ons:		Remarks:	<u>. </u>									Test		二			<u> </u>	_	
at 18.0 ft									Dilatancy:					- Slow						
									Toughness: Plasticity:	N -	L - I Nonplast			лedium w М-				gh	—	
			Bucket De	contamin	ation Method:				Dry Strength:		ne L-I								ligh	
at depth measure	' <u></u>	nding wate		eted pit: 1.5	_ft. hrs. elapsed	Diameter (i 12 to 24 over 24	(in.) Number	oulders: <u>r </u>	Approx. vol.	(cu. ft.)	Pit Dep Pit Len	oth		Pit D	ime	nsio		f t.): 18.0		

HAL ALD	EY& RICH			E	NVIRO	NMEN	TAL	TES	Т РІТ	LO	G	[OR/	٩F	·T				Έ-	10			
PROJECT LOCATIOI CLIENT			East Station Rochester,	New York	GP Site							FILE NO. ECT MG		3649 Dou	ıg Al	06 llen	Pag	e	1		of	1	_
CONTRAC EQUIPME			-		al Services, Inc. su PC400LC Exc	cavator					DATE WEAT			5-Ja Mos		11 Sunny	w/\$	Snow	Sho	wers	20s°	F	_
Ground El		rom 415.6 t	to 416.5	ft.	Location	See Plan					Groundw	ater dep		•		(in./		•					
Zii Butuiii	1110 B		Stratum			,	Vis	sual Iden	tification					Gra			Sand	- 1		Fi	ield 1	est	_
Depth (ft.)	Sample ID	PID Reading (ppm.)	Change Depth (ft.)	USCS Symbol		Color, GROUI article size, st	tructure, o geolog	dor, moi: gic interp	sture, option pretation)					% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
	S1	0.1	0.5	SP-SM	Dark brown to no odor, dry	black poorly-g		GRAVEI ND with s		LM, occa	sional cok	e fragmer	nts,	5	5	5	10	10	10	-	-		-
	2' - 5'	0.2	2.0		Orange (top 3 in fragments, no o				nt green-bl	ue pocket	s, occasion	nal wood	chip										
- 4 -																							
	S2 6' - 8'	0.7	5.0	SP-SM	Brown to dark	brown poorly-g	graded SA	ND with	silt, 55% C	CLM, no	odor, mois	t		5	5	10	5	10	10	-	-		-
- 8 -	S3	76.8	8.5 9.0	SP-SM SM	Similar to above Gray to black s	e except black,	, wet	Fraguent o	obbles stre	ong netrol	laum/nanh	tholone		15	10	15	10	30	20				
	10' - 12'	70.8		Sivi	like odor, wet,									13	10	13	10	30	20	-	-		
— 12 —																							
			15.0		Note: Bucket re	efusal at 15.0 f																	
— 16 —							Bottom	of excav	ation at 15.	0 ft													
_ 20 _																							
_ 24 _																							
— 28 — Obstruction	one:		Remarks:										F	ield '	Toef	-							
None	one.									Dilatancy: Toughness Plasticity:	s:		R - L - I Nonplas	Rapid Low tic L	d S M - N Lov	- Slov Mediur w M	n ⊦ -Me	l - Hig dium	jh H -				_
	•		•		ation Method:	5	4 (!-: \		oulders:	Dry Streng			ne L-I									n	-
at depth measure		nding wate		.0 .5	_ft. hrs. elapsed	12 t	ter (in.) to 24 er 24	Number 2	<u>r</u>	Approx	0.8		Pit Dep Pit Ler	pth		Pit I	<u>mוט</u>	ensi -			5.0	.0	_

HAL ALD						OG	DR	ΑF	- T	1		T	t No. Г Р-	-10						
												_		Pag	je	1		of	1	
PROJECT		Rochester, New York PRO Rochester Gas & Electric Corporation FIE Sevenson Environmental Services, Inc. DAT Track-mounted Komatsu PC400LC Excavator WE age from 416.1 to 416.8 ft. Location See Plan Ground					H&A FIL			92-0										
LOCATIO	N				· Commention				PROJEC			ıg Al				—		—	—	
CLIENT	2700								FIELD R	Er		wn F								-
CONTRAC EQUIPME									DATE WEATH	-n		an-20		/6	~-ou	Che	ore	204	•E	—
Ground E		· · · · 416 1 e					_		Groundwate							Sno	owers,	, 308	F	_
Ground E El. Datum		rom 416.1 t arge Canal	.0 410.8	11.	Location	See Pian			Giodilawaa	a acpuiare.	-		n./mi		1. j.					
						Visual Id	lenti	fication			Т	avel	Т	Sand	\Box	П	F	ield	Test	_
Depth (ft.)	Sample ID	PID Reading (ppm.)	Stratum Change Depth (ft.)	USCS Symbol		Color, GROUP NAME & SYM Particle size, structure, odor, m geologic into	/IBOL noist	L, % oversized			Coarse	% Fine	% Coarse	% Medium		% Fines		so.		Strength
		<u> </u>	0.5	 	 	-GRAV		,			%	%	%	%	%	%	Ö	ř	ä	ŏ
	S1	0.0	1.0	SM		ND with gravel,	m	<u> </u>			15	15	10	15	25	15	-	-	-	
	1' - 3'	0.6				ace roots, no odor, dry ge-brown to tan silty SAND,	+		\		5	5	10	10	45	25		-	-	
			22		no odor, moist		\blacksquare		illed with brick,								-	_		
		1.4	3.2	SM		ilty SAND with gravel, strong	1		oximately 3 ft of or, trace sheen	water	10	5	10	5	30	40	d	\exists	\exists	-
_ 4 _						odor with naphthalene-like t at ~8.5 ft, with sheen	H	Concrete wa	\ \								-			
					underiones, we	l at ~ 0.3 it, with sheen	1	~ 12 in. thi		\setminus									\exists	
							Ш			V		_		H		H	.	-	-	_
												_					-	-	-	_
_ 8 _																				
Ĭ			9.0									-		H		\dashv	-	-	-	
		28.4	<u></u>	GW		ded GRAVEL with sand, 10% c					25	25	25	15	5	5	-	-	-	-
					naphthalene-like OLM on ground	e undertones, wet, sheens, frequency dwater surface	uent	blebs of brown	OLM orange-gr	een coloring/		\vdash		H		H	.	-	-	_
					OLM on ground	Iwater surface														
												<u> </u>		H		-		\dashv	\dashv	_
— 12 —																				
																-	-	-	-	_
												-		H		-	\dashv	-	-	_
— 16 —					Note: Bucket re	fusal at 17.0 ft						-		H		-	\dashv	-	-	_
			17.0																	
						Bottom of exc	avat	ion at 17.0 ft						H			-	-	-	_
																	Ш			
																Н	\dashv	\dashv	-	
_ 20 _																Ш	Ш			_
																	1			_
																Н	Н	_	_	
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_ 24 _																1	ı			
_ 24 _																Н	H	_		
														-				_	_	
														-		H	-	_	_	
— 28 —																				
Obstruction	ons:		Remarks:					D'il de			ield				Nee	_		_	_	_
None								Dilata Tough	ncy: nness:					w N um F			—	—	—	
								Plasti		N - Nonplas	tic L	- Lo	w M	1 - Ме	dium	Н-			_	
			Bucket De	contamin	ation Method:	Ī	Bou	Dry S	trength:	N - None L -	Low	M - I	Mediu	-I mu	1 - Hig	gh \	√ - Ve	ry Hiç	gh	_
	Sta	nding wate	er in comple	eted pit:		Diameter (in.) Numl			rox. vol. (cu. ft			Tes	t Pit	Dim	ensi	ions	s (ft.):	<u>):</u>		
at depth			11	1.0	_ft. hrs_elansed	12 to 24		_ =	-	Pit De		V 147	/idth					17.0		

HALEY& ENVIRONMENTAL TEST PIT LOG PROJECT East Station Former MGP Site H&A FI											DR	ΑF	T			7		-10	-09				
PROJECT LOCATIO CLIENT			Rochester,	New York	GP Site						PI	&A FILE N ROJECT I ELD REP	MGR.	Do	92-0 ug A wn I	llen	Pag	ge	1		of	1	_
CONTRAC			-		al Services, Inc.	cavator						ATE EATHER			an-20		ıy 20:	s°F					
Ground E		from 418.0 t		ft.	Location	See Plan					Groui	ndwater c	depths/e	ntry		s (in	./mir					_	_
		PID	Stratum					Visual	dentificati	on				-	avel	1	Sano	i		F	ield	Test	
Depth (ft.)	Sample ID	Reading (ppm.)	Change Depth (ft.)	USCS Symbol			ze, structur	re, odor, eologic ir	MBOL, % of moisture, of terpretation	optional n)				% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
	S1 1' - 3'	0.0	0.5	SM	Brown silty SA	AND with		-ASPHA	VEL FILL LT MILLIN o odor, mois	IGS-				10	10	15	15	25	20	-	-	-	_
- 4 -	S2 4' - 7'	' - 7' 113.6 CL Olive-gray to black sandy CLAY with gravel, slight to moderate petroleum/mode like odor, moist										/modeling	glue-	10	10	5	5	20	50	-	-	-	_
- 8 -		7' 113.6 CL Olive-gray to black sandy CLAY with gravel, slight to moderate petroleum/mode											, strong	30	30	20	10	5	5	-	-	-	
— 12 —		276.9	11.0	GW	Similar to abov groundwater su	OLM on		•															
— 16 —			17.0		Note: Bucket re	efusal at 1			edrock xcavation at	17.0 ft													
— 20 —																							
24																							
— 24 <i>—</i>																							
— 28 —	ons:		Remarks:											Field									_
None			Bucket De	econtamin	ation Method:					Toug Plast Dry S	ancy: ghness: ticity: Strength:				M - I L - Lo	Mediu w N	ım l 1 - Me	H - Hi	gh H -			gh	_
at depth measure		nding wate		eted pit: 1.0 25	ft. hrs. elapsed	Dia	ameter (in 12 to 24 over 24	n.) <u>Nur</u>	Boulders nber 5 =	s: <u>App</u> :	3.3	(cu. ft.)	Pit De	epth			Dim	nens	ions		<u>):</u> 17.0 0 x 6	0.0	_

HAI ALD	EY& RICH			E	NVIRO	NMENT	AL TE	ST PIT	Γ LO	G [)R/	۱F	. T				ΓP-	-10			
PROJECT LOCATIO			East Station		GP Site					H&A FILE NO.			92-00 1g Al	06	Pag	e	1		of	1	
CLIENT CONTRAC	CTOR				ric Corporation al Services, Inc.					FIELD REP DATE			wn P an-20							_	_
EQUIPME	:NT		Track-mou	nted Komat	su PC400LC Exc	cavator				WEATHER					ıy 20s	s°F	_	_	_		_
Ground E	I. Range	from 416.2 t	to 418.2	ft.	Location	See Plan			G	roundwater dep	ths/ent	ry r	ates	(in.	./mir	1.):	_	_	_	_	_
El. Datum		Barge Canal										~().5 ir	ı./mi	in.					_	
	<u> </u>	<u></u>	Stratum				Visual I	Identification				Gra	avel	[;	Sand	<u>, </u>	[F	Field	Test	t
Depth (ft.)	Sample ID	PID Reading (ppm.)	Change Depth (ft.)	USCS Symbol		Color, GROUP Narticle size, struc	cture, odor, geologic in	moisture, option nterpretation)				% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
ŀ	——	0.1	0.5	SM	Brown to dark	brown silty SANI		AVEL FILL- el. trace wood, r	no odor, di	rv		10	10	15	15	35	15	-	-	-	\vdash
		0.1		0111	Diown to am.	DIOWII SILLY STATE	D With grave	1, 11000 11000, 1	IIO Ouo., c.	ı y					<u> </u>	ات					
		8.6	1.8		Black CLM (ge dry	nerally sand-sized	d), trace bric	k, slight petrole	eum/model	ling glue-like odor,											
- 4 -	S1 4' - 5.5'	19.4	3.8	SM	Gray to black s	ilty SAND, mode	erate petroleu	ım/modeling glu	ue-like odo	or, moist		_	-	5	10	50	35	-	-	-	- -
		95.8 Gray to black poorly-graded SAND with gravel, strong petroleum/naphthalene-like of and sheen at ~7.5 ft, little brown OLM on groundwater surface									wet	20	20	20	25	10	5	-	-	-	-
_ 8 _												_				-	\vdash	\exists	\exists		
- 0 -												_						П	\square		
												_									i
	<u> </u>												П			<u> </u>					
	l																				
			Note: Due to collapsing sidewalls and odorous soils, test pit terminated at 12.0 ft Bottom of excavation at 12.0 ft									_						.			-
— 12 —			12.0																		
															\vdash	$\vdash \vdash$	\vdash		_	-	ı
	—														\vdash	$\vdash \vdash$	\vdash		-	-	1
												_							,		<u> </u>
— 16 —												_			\vdash	-		-			l _
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_ 28 _	-											_							Н		-
Obstruction	ons:	<u> </u>	Remarks:						<u> </u>		Fi	eld	Test	ts	<u>—</u>	<u> </u>	<u> </u>	_	_	_	_
Pipes									Dilatancy:							N- Non		_	_	_	_
									Toughness: Plasticity:		L - L Nonplasti					H - Hig edium	-	· High			
			Bucket De	contamin	ation Method:				Dry Strengt		ne L-L									.gh	_
	Sta	nding wate	er in comple	eted pit:		Diameter	r (in.) Num	Boulders:	Approx.	vol. (cu. ft.)			Test	Pit	Din	nens	ions	s (ft.)	۱:		
at depth	n		7.	7.5 0.5	_ft.	12 to 2	24	3 =		3	Pit Dep Pit Len	th					_]	12.0		
measure					hrs, elapsed	over 2		1 –		6	Pit I an	nth '	X \M	idth				8 (0×6	1.5	

HAL ALD	EY& RICH			E	NVIRO	NMENTA	L TEST P	IT LO	G	DR	ΑF	- T						-11	a	
PROJECT LOCATION CLIENT CONTRAC	N CTOR		Sevenson E	New York Gas & Electronic Revironmenta	ric Corporation				H&A FILE NO PROJECT MO FIELD REP DATE		Dou Sha	92-00 ug Al uwn P	06 llen Poff	Pag		1		of	1	
EQUIPME Ground El El. Datum	I. Range	from 417.6 t		ft.	Location	See Plan			WEATHER Groundwater de	pths/en	try r	ates	Sunny s (in./ n./mi	/min				_	=	=
El. Datum	NIODA	arge Canal PID	Stratum				Visual Identificat	ion			1	avel	1	in. Sand	i		F	ield T	Test	
Depth (ft.)	Sample ID	Reading (ppm.)	Change Depth (ft.)	USCS Symbol		Color, GROUP NAM article size, structure ge	e, odor, moisture, cologic interpretation	optional des			% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
	S1	0.2	0.5	SP-SM	Brown to orange	e-brown to yellow we	-GRAVEL FILL ell-graded SAND w		CLM, no odor, dr	/	5	10	10	10	10	10	-	=	=	-
	2' - 4'																			
- 4 -	S2 4.5' - 6'	5.8	4.5	SC	Olive-gray to bl	lack clayey SAND, tr	race AI M. no odor	moist			5	5	5	10	40	35	N	L	L	
	4.5 - 0	142.3	6.0	GW					ohthalene-like odor	with	30		20	10	5	5	-			_
- 8 -					sweet undertone	es, wet with sheen at	12.0 ft, semi-round	ed to well-ro	unded particles											
	sweet undertones, wet with sheen at 12.0 ft, semi-rounded to well-rounded particles																			
— 12 —	Note: Brown O.I.M. on groundwater surface																			
— 16 —																		#		
			17.0 17.5		Note: Bucket re		obable bedrock EATHERED BEDI tom of excavation a													
																		_		
_ 20 _																		#		
_ 24 _																		=		
																				_
_ 28 _																				
Obstruction None	ons:		Remarks:					Dilatancy	:	R -	Rapi		- Slov					<u></u>	<u></u>	_
			Buokat Da		ation Mathadi			Toughnes Plasticity:	. N	- Nonplas	tic L	L - Lov		1 - Me	edium	Н-				
at donth	Sta	nding wate	er in comple	eted pit:	ation Method:	Diameter (in		Approx	. vol. (cu. ft.)	Pit De							(ft.)	<u>):</u>		_
at depth measure	ed after			.5 .5	ft. hrs. elapsed	12 to 24 over 24		= <u></u>	5 14	Pit De		x w	idth		-			17.5	_	_

Test Pit No. DRAFT HALEY& **ENVIRONMENTAL TEST PIT LOG TP-10-12** PROJECT H&A FILE NO. East Station Former MGP Site 36492-006 LOCATION Rochester, New York PROJECT MGR. Doug Allen CLIENT Rochester Gas & Electric Corporation FIELD REP Shawn Poff CONTRACTOR Sevenson Environmental Services, Inc DATE 22-Dec-2010 EQUIPMENT WEATHER Track-mounted Komatsu PC400LC Excavator Overcast 20s°F Groundwater depths/entry rates (in./min.): Ground El. Range from 418.9 to 419.9 Location See Plan El. Datum NYS Barge Canal ~0.5 in /min Visual Identification Gravel Field Test Stratum PID Depth Sample Change uscs (Color, GROUP NAME & SYMBOL, % oversized, maximum Reading Medium ID Depth Symbol Coarse (ft.) particle size, structure, odor, moisture, optional descriptions, (ppm.) Fine (ft.) geologic interpretation) Brown poorly-graded SAND with silt, trace roots, no odor, moist (top 1 in.) S1 10 1' - 3 GP-GM Gray poorly-graded GRAVEL with silt and sand, no odor, moist 20 35 15 10 10 0.5 '-DECON PAD MATERIALS--(heavy-duty poly sheeting) Dark brown to yellow-brown silty SAND with gravel, ~10% ALM, 10% cinders and CLM, SM 10 10 10 20 15 10 5% brick, acrid musty odor (especially in ALM), moist Orange-brown to brown clayey SAND with gravel, 5% ALM, trace brick, coal, CLM, no S2 20 15 15 10 10 25 N L 1.1 L odor, moist 4 Note: 18 in. I.D. RCP at 7.0 to 8.5 ft bgs 8 Gray to black silty SAND with gravel, slight naphthalene-like odor, moist 7.2 10 15 15 15 25 20 10.0 GP-GM Black poorly-graded GRAVEL with silt and sand, numerous cobbles, strong naphthalene-like 104.7 25 30 15 10 10 10 odor, moist, sheens common up to 5% black, tacky, low-medium viscosity TLM/DNAPL OLM within pore spaces 12 Note: Wet at 15.0 ft 16 Note: Bucket refusal at 18.0 ft on probable bedrock 18.0 Bottom of excavation at 18.0 ft 20 24 28 Obstructions: Remarks: Field Tests R - Rapid S - Slow N- None None Dilatancy:

Toughness:

Approx. vol. (cu. ft.)

Plasticity:

Boulders:

Diameter (in.) Number

NOTE: Soil identifications based on visual/manual methods of the USCS system as practiced by Haley & Aldrich, Inc

12 to 24

over 24

L - Low M - Medium H - High

N - Nonplastic L - Low M - Medium H - High

Pit Depth

Pit Length X Width

N - None L - Low M - Medium H - High V - Very High

Test Pit Dimensions (ft.):

18.0

47.0 x 7.0

Form 2006 USCS Env.

at depth

measured after

Bucket Decontamination Method:

hrs. elapsed

15.0

0.5

Standing water in completed pit:

HAI ALD	EY& RICH			E	NVIRON	IMENTAL TE	ST PIT	LOG		DR	AF	-					13 ((wes	est)
PROJECT			East Statio	n Former M	(CD Cita			H&	A FILE NO	`	364	92-0		Fay	<u></u>	<u></u>		<u>—</u>	1
LOCATIO			Rochester,		GP SHC				OJECT MO			192-0							_
CLIENT	N				ric Corporation				LD REP	JIN.		wn P							_
CONTRAC	CTOP				al Services, Inc.			DA											—
EQUIPME					su PC400LC Excav	ntor			ATHER			an-20		/\$	2011	Chou	vers, 2	20e°E	
Ground E		from 418.3 t		ft.					dwater de	nths/e		_				SHOW	E15, 2	.08 1	_
Ground E El. Datum		arge Canal	0 419.0	11.	Location Se	See Plan			AVV 01.01 0.0		~0.2		•		•				
		T	$\overline{}$	一	 	Vieual la	tification				1	avel		Sand		\top	Fie	ld Tes	~+
Depth (ft.)	Sample ID	PID Reading (ppm.)	Stratum Change Depth (ft.)	USCS Symbol		olor, GROUP NAME & SYM ticle size, structure, odor, m geologic into	noisture, optio				% Coarse	avel %	-	Ę		% Fines	Dilatancy Toughness 191	_	T
		 		SM	Brown silty SAN	D with gravel, 10% concrete,	•	metal, wood,		T	15						_ ř		<i>σ</i>
ŀ					no odor, dry (6 to		,		$\neg \vdash$							1			
ŀ	<u></u>														\pm	\pm	\pm	+	+-
						to gray silty SAND to clayey									_	4	\blacksquare	\mp	
		†			24 in. steel	ck, ~2.5 to 5 ft thick and		LM up to 20%							\pm	\pm	\pm	\pm	
_ 4 _		_				Black silty SAND to				1					-	4		\blacksquare	
ŀ						clayey SAND with gravel and cobbles		Similar ex		1					\pm	\pm	\pm	\pm	
ļ								with blue staining							_	4	\blacksquare	\mp	
ŀ	l			<u> </u>				Stanning			+				\pm	\pm	+	+	
ļ															4	4	\blacksquare	\perp	
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ŀ															_	_			
— 12 —						Black poorly-graded	1				-			_	+	+	+	+	-
ŀ					ļ	SAND with cobbles,									_	_		1	1
ŀ						sheen						-	\vdash	-	-	+	+	+	-
ŀ															_	#			
ŀ											\perp	-	\vdash	-	+	+	+	+	-
— 16 —			16.0																
_ 10 -					Note: Bucket refu	usals at depths shown	55' ———				_	_			=	4	\blacksquare	\bot	-
ŀ					F										\pm	\pm	\pm	\pm	
ŀ						Bottom of exc	cavation at 16.0	0 ft			-		\Box		-	4	\perp	+	1
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_ 20 _				1											+	+	+	+	+
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_ 28 _															\pm	\pm			
Obstruction			Remarks:								Field					_	_		
Concrete	structures							Dilatancy: Toughness:			- Rapi								
						_		Plasticity:	N	- Nonpla							ligh		
			Bucket De	contamin	ation Method:			Dry Strength:	N - N	one L	- Low	M - I	Vlediun	m H	- Higl	n V	- Very	High	
	Sta	nding wate	er in comple	eted pit:		Diameter (in.) Numl	Boulders: ber	Approx. vol. (c	cu. ft.)			Test	Pit I	Dime	ensic	ons ((ft.):		
at depth			7	7.5	_ft.	12 to 24		4		Pit D	epth						0 to 1		
measure	ad atter		0).5	hrs. elapsed	over 24 -	_	_		Pit Le	nath	X \//	idth			~	80.0	rx 20	.0

HAI ALD	EY& RICH			E	:NVIRO	NMENT	AL T	EST PI	T LO	3	DR	٩F	Ŧ					-10-		,	
													_		Pag	е	1		of	_1_	4
PROJECT					GP Site					H&A FILE N			92-00					—	—		4
LOCATIO	N				Corporation					PROJECT M	IGK.		ıg Al wn P								\dashv
	CTOB																				Ħ
EQUIPME					,	povotor				WEATHER			Dec-2	2010 :/Sno	· 20	oE -				—	\dashv
Ground E		from 420.7 t							lg	roundwater de	enths/er						_	_	_	_	=
El. Datum			0 423.0	1	Location	See Pian				lounana	5ptile, 5.	-		1./mii		.,.					
							Visua	I Identificatio	n			Gra	avel	ę	Sand	Т	П	Fi	ield T	est	٦
Depth (ft.)	Sample ID	PID Reading (ppm.)	Change Depth	USCS Symbol			NAME & Sucture, odo	SYMBOL, % ov or, moisture, op	rersized, ma			Coarse		П	Ę		% Fines		ıς	Plasticity Strength	ngtn
	S1	0.0	(11.)	SM	Brown to yellov	w-brown silty SA				l, wood (lumber	, no	0 % 15	% Fine	ა % 10			E 8 20	Dilat	- Touc	- Stre	900
	1' - 3'								,	,											
– 4 –	52																	_		1	
	5.5' - 7.5'	1.2	5.5	SM	Gray-brown silt to moist	ty SAND with gr	ravel, 10%	brick, trace me	tal, cobbles/	rock rill, no odo	r, dry	15	15	10	10	20	20	=	-	#	
— 8 —		0.0	7.5		Tan to white LI	IME granular to f	fused in col	bble-sized piece	s, slight acri	d musty odor, d	ry									#	
		297.6	9.0		Yellow-green to undertones, wet	o dark gray LIMI t, sheens, partiall	E stained, s ly saturated	strong petroleun with OLM	n-like odor w	vith naphthalene-	like							=		1	
	Sevenson Environmental Services, Inc. ENT ENT ENT Reading Description Sample Reading Description Septian Sample Reading Description Septian Septian Septian Septian Septian Septian Septian Septian Septian File Reading Septian Septi											-	-	-	-	90	10	-	-	=	-
— 12 —		0.0 Tan to white LIME granular to fused in cobble-sized pieces, slight acrid musty of the state																			
— 16 —			16.0		Note. Duenet	Ausai at 10.0 it .			- 0 0												_
.5	Ead Station Former MGP Site M8.A F																				
— 20 —																					
_ 24 _																		#	#	_	
																					_
_ 28 _																			_	_	
														Ш		二	\Box	ユ	ユ	エ	_
Obstructure		nd	Remarks:						Dilatancy:			ield Rapi		t S - Slow	v N	- None	e				_
Structure	.s iii west en	iū												Леdiur							-
			Bucket De	contamin	ation Method:						l - Nonplas None L -								ry Higi	<u> </u>	_
at depth		nding wate	er in comple	eted pit:				umber	Approx.	vol. (cu. ft.)	Pit De							(ft.):			
measure											Pit Lei		x W	dth		-			x 13.	.0	7

HAL ALD	EY&= RICH			E	NVIRO	NMEN	TAL	TES	T PIT	LO	G	I	DR	٩F	T				P-	10			
PROJECT LOCATION CLIENT	Roch Roch Roch				GP Site ric Corporation al Services, Inc.						PRO	FILE NO JECT MG D REP		Dou	92-00 1g Al wn P	06 len off	Pag	<u>e</u>	1		of	1	
EQUIPME					su PC400LC Exc	avator					WEA.				n-20 ar, 20	0s°F							
Ground El			o 422.3	ft.	Location	See Plan				0	Groundy	ater dep		-		•		•					
El. Datum	NYSB	arge Canai					Vie	ual Idor	ntification				~	Gra			8.5 f			Fi	ield 1	Toet	-
Depth (ft.)		Reading	Stratum Change Depth (ft.)	USCS Symbol		Color, GROUF article size, sti	P NAME & tructure, or	& SYMB	OL, % ove					% Coarse	% Fine	% Coarse	Ę		% Fines		ıς		Strength
		0.0	0.5	SM	Brown silty SAI	ND with grave			d GRAVEI		ss. no od	or, moist		20	10	10	10		20	-	_		
_ 4 _		0.0	4.0	Sivi	BIOWII SIRY SAL	ND with grave	EI, 10% OIF	ck, track	s inctair, con	erete, gias	55, 110 00	or, moist		20				20	20				
	S1 7' - 9'	0.7	6.8	SM			M with san	nd, no oc	lor, dry, dis	continuou	ıs/undula	ing layer		20	10	10	10	20	20	-	-		-
- 8 -	S2 10' - 13'	397.8	0.2 SM Similar to 0.5 to 4.8 ft 9.5											-	1	1	10	50	40	-	-	-	-
— 12 —																							
— 16 —					Note: Strong pe	troleum-like oo	odor and she	een at 10	5.0 ft														
_ 20 _		26.3	18.5	SP	Note: Stratum c Gray to black po discernable MG	oorly-graded S.	SAND with						or (no	20	20	20	20	5	5	-	-	-	-
24			24.0		Note: Bucket re	fusal at 24.0 ft	it on probab	ble bedro	ock														
_ 24 _							Bottom	of excav	vation at 24.	0 ft													
_ 28 _																							
Obstruction None	ons:		Remarks:	contamin	ation Method:					Dilatancy: Toughness Plasticity: Dry Streng			R -	Low tic L	d S M - N Lov	- Slow Mediu W M	m H		gh H -		ry Hin		
at depth measure		nding wate	er in comple		_ft. hrs. elapsed		to 24	Numbe	oulders: <u>r </u>	Approx.			Pit De	oth	Test	Pit		ensi		(ft.)	<u>:</u> 24.0		

HAL ALD	EY&=			E	NVIRO	NMENTA	L TEST PI	T LO	3	DR	AF	Ŧ		Test	T	P- 1	10-		
														Page	Э	1	0	f	1
PROJECT			East Station		GP Site				H&A FILE N			92-0							
LOCATIO	Rochestration		Rochester,						PROJECT I			ıg A							
CLIENT					ric Corporation				FIELD REP			wn F							
					al Services, Inc.				DATE				2010	•					
					su PC400LC Exc				WEATHER roundwater of	lantha/an			unny,			_	_	_	_
Ground E El. Datum			0 414.4	ft.	Location	See Plan			roundwater c	ieptris/er	•		n./mii		.):				
	11102	lingo ounur					Visual Identification	_			1	avel	Ī	Sand	\neg	\top	Fie	ld Tes	_
Depth (ft.)		Reading	Stratum Change Depth (ft.)	USCS Symbol		Color, GROUP NAM article size, structure	ME & SYMBOL, % ove e, odor, moisture, opt	ersized, ma			% Coarse	W Fine	l 1	Ę	% Fine	% Fines	Dilatancy		
			0.5			ge	ologic interpretation) -GRAVEL FILL-				%	%	%	%	%	% ?	<u> </u>	- La	Str
			0.3				fabric)												
		0.4		ML	Gray-brown to dry to moist	brown gravelly SILT	with sand, 5% cobbles	s, 5% brick	no odor to mu	sty odor,	20	10	5	5	15	35	- -	-	-
					dry to moist														
														-	_	+	-	_	
_ 4 _																			
															_	_			
	S1																		
	5.5' - 8.5'														_	-		_	
_															_	_		_	
— 8 —																			
			9.5												_	_		_	
			9.5 10.0			k coal cinders and CI													
		5.8			7 7 7 7 7 7 7	7	k (stained) sandy SILT athered petroleum/nap				-	-	5	10	25	60		-	-
					concrete) moderately we	attiered petroleum/nap	minarene mo	odor, moist										
— 12 —					6.5'										_	_		_	
	S2																		
	13' - 16'														_	_		_	
															_	-			
— 16 —																			
.0															_	_		_	
		132.7	18.0		Similar to above	e except black stron	g odor, wet, sheen, oc	casional ble	bs of black TL	<u></u>					_	_		_	
		102.7			ommu to uoov	e, except order, stron	g odor, wei, sneen, se	ouoioimi oic	00 01 014011 121										
														_	_	-	_	_	
_ 20 _														\dashv	#	#	#	1	
														\dashv	-	+	+		
			22.0 22.5		Note: Bucket re		EATHERED REDEC	CK						-	4	\perp	\bot		
			22.5				TEATHERED BEDRO tom of excavation at 22				1					\exists			
																\perp	\perp		
_ 24 _																			
													\blacksquare	-	\perp	\perp	-	-	
														\dashv	$-\mathbb{F}$	-	-		
_ 28 _													$\vdash \vdash$		+	+	-	-	
Obstructi	ons:	<u>I</u>	Remarks:							F	ield	Tes	ts						
11.3 ft ir	northwest	end			_			Dilatancy:					- Slow						
			-					Toughness: Plasticity:		L - N - Nonplas			Mediur w M				ligh		-
			Bucket De	contamin	ation Method:			Dry Strengt		None L-								High	
	Star	nding wate	er in comple	eted nit		Diameter (in	Boulders:	Approx	vol. (cu. ft.)		_	Test	t Pit I	Dim	ensi,	ons	(ft.)·	_	
at depth	' <u></u>	wate	20	0.0	ft.	12 to 24	3 =		1.5	Pit De	pth						22		
measure	ed after		0.	25	hrs. elapsed	over 24	- =		-	Pit Ler	ngth !	x w	idth		_		27.0	x 9.0	

HAL ALD	EY& RICH			E	ENVIRONMENTAL TEST PIT L	_og [ORA	FT	•	Test	t Pit T		10-	17	
PROJECT			East Station		GP Site	H&A FILE NO.		492-0		Pag	e	1		of	1
LOCATIO	N		Rochester,			PROJECT MG	_	oug A							_
CLIENT					ric Corporation	FIELD REP		awn l							
CONTRAC EQUIPME					al Services, Inc.	DATE WEATHER			2010		°TC				
Ground E		from 417.6 t		ft.	1	Groundwater dep	_	_		, 20s				_	=
Ground Ei El. Datum		arge Canal	0 410.9	ıı.	Location See Plan	Orodinana.c. a.p			ounte		.,.				
					Visual Identification			ravel	1	Sand	П		Fie	eld Te	≥st
Depth (ft.)	Sample ID	PID Reading (ppm.)	Stratum Change Depth (ft.)	USCS Symbol	(Color, GROUP NAME & SYMBOL, % oversize particle size, structure, odor, moisture, optional geologic interpretation)		Coarse	Fine	% Coarse	Ę		% Fines	Dilatancy		
		0.0	0.5	SM	(limestone rip-rap) -TOPSOIL/ROOT MAT- Light brown silty SAND with gravel, frequent cobbles, no odor,	, moist		20				25	-	- 6	
			2.5		Black CINDERS, trace CLM, dry, crumbly, strong mothball-like odor,										
	S1 3.5' - 5.5'		3.5		occasional brick (PID 19.2)					\vdash			-	-	+
- 4 -	5.5 2.2					TO THE RESIDENCE AT NO.									#
		0.0			to 2.5 ft	Light gray to white ALM trace wood, cinders, must odor, moist (PID 0.0)									_
			5.5 6.0	 		odor, moist (FID 0.0)									+
					Similar to 0.5								_	+	+
					to 2.5 ft, except										#
8 –		0.0			gray-brown										ł
													_	_	Ŧ
		200.0	10.0		 										#
	S2	288.8		SM	Gray to olive-brown to black silty SAND, moderate toluene-like	odor, moist	-	-	-	5	75	20	-		+
	10' - 13'														Ŧ
12 —															
					Note: Test pit continually caving in, unable to advance beyond 15	5.0 ft							_	_	-
			15.0		P. (1997)										#
- 16 -					Bottom of excavation at 15.0 ft										\pm
10														_	+
															#
													_	+	_
- 20 —															#
											_			_	-
															Ŧ
- 24 -													_	_	+
															1
													_	_	+
													_	-	1
- 28 -													_	_	-
bstructio	ons:	•	Remarks:	•			Field								_
None						tancy: ghness:	R - Ra L - Low								
					Plas	sticity: N -	Nonplastic	L - Lo	w M	1 - Med	dium	Н-			
			Bucket De	econtamin	ation Method: Dry : Boulders:	Strength: N - Noi	ne L-Low	М -	Mediu	m H	I - Hig	gh \	- Very	/ High	_
		nding wate	er in compl		Diameter (in.) Number App	prox. vol. (cu. ft.)		Tes	t Pit	Dim	<u>ensi</u>	ons	(ft.):		
at depth measure			N	IE	_ft.		Pit Depth Pit Length	χM	/idth		-		45.0 :	5.0 x 18.0	0
545416					ons based on visual/manual methods of the USCS system								.5.0	. 10.0	<u>:</u>

HAL ALD	EY&			E	NVIRONMENTAL TEST PIT LOG	DR	ΑF	T		Tl	t Pit P-1	0-				1)
										Pag	е	1		of	1	4
PROJECT	ATION ENT ITRACTOR IPMENT und El. Range from 420.0 t			Former M				92-00								_
CLIENT	N		Rochester,		ic Corporation FIELD	CT MGR.		ig Al wn P								_
	TOD.					\LF										
					1 Services, Inc. DATE u PC400LC Excavator WEATH	IED		Dec-2								-
		From 420 0 t		ft.		ter depths/en	_			/min	7:				_	=
El. Datum			0 420.3		See Figure 9	.с. цорилого.	•		./mi		.,.					
					Visual Identification		Gra	ivel		Sand	Т		Fi	eld T	est	
Depth (ft.)	Sample ID	PID Reading (ppm.)	Stratum Change Depth (ft.)	USCS Symbol	(Color, GROUP NAME & SYMBOL, % oversized, maximum particle size, structure, odor, moisture, optional descriptions, geologic interpretation)		Coarse	% Fine		Ę		% Fines		υ		Strength
					CRUSHED STONE (~ 3 in. minus)-		%	%	%	%	%	%	۵	e i	<u> </u>	Str
			1.0		Note: Geotextile fabric at base of stone											
		1.0	1.5	SM	Brown silty SAND with gravel, trace coal, cinders, no odor, moist Black COAL CINDERS with CLM, ~ 10% black ALM, no odor, dry		10	20	10	20	25	15	-	-	-	-
			2.5													
		0.0		SM/ ML	Brown to orange-brown silty SAND to sandy SILT, no odor, moist Resembles deco	mnosed					-					-
_ 4 _					crumbly concre											
	S1		5.2	井							+	-			_	-
	5.5' - 7.5'	0.6	7.6	SM/ ML	Similar to above, except with pockets/discontinuous layers of black COAL CINDERS with CLM, concrete -7.6'											
	/			SM/	Gray-brown silty SAND with gravel, ~10% brick and concrete debris, no odor,	moist	15	15	10	10	20	20	-	-	-	-
				ML							\dashv	-			_	_
<u> </u>																
	Inside				Brick wall of Holder #7,						-					_
	Holder				~4 ft thick											
	-			111							_				_	_
	/			#												
– 12 –		¥		111							-				_	4
				-												
			13.5	SM	Black silty SAND with gravel, trace wood, slight groundwater seepage with sheer	moist to wat	10	10	10	10	40	20			_	_
	S2			SM	Black sitty SAND with graver, trace wood, slight groundwater seepage with sneet	i, illoist to wet	10	10	10	10	40	20	-	-	-	-
	15' - 17'		15.0	SM/	Gray to black silty SAND to sandy SILT, moderate petroleum-like odor with/nap	otholono liko			5	15	55	25			_	_
— 16 —		182.6		ML ML	undertones, wet, sheen, little brown OLM leaching onto groundwater surface	ппанене-нке	-		-	-		50	-	-	-	-
_ 10 _											-				_	_
				芸							_				_	_
											-					_
_ 20 _				111	Note: Bucket refusal at 21.0 ft on probable bedrock											
			21.0		Bottom of excavation at 21.0 ft		-				-				+	4
					Donom of Countries at 21.0 It						1				#	
											+	-			_	-
											_					
_ 24 _											+	-			_	-
											-				_	-
											#				#	
											+	-			_	-
_ 28 _											#				#	
Obstruction	ons:		Remarks:	<u> </u>		F	ield	Test	:s		—		L			-
				ed outside l	older Dilatancy:					v N-	None)			_	
					Toughness:						l - Higl		1841		_	4
			Bucket De	contamina	Plasticity: tion Method: Dry Strength:	N - Nonplas N - None L -								y Hig	h	\dashv
	•				Boulders:										_	٦
at depth	Sta	nding wate	er in comple 18	eted pit: 3.0	ft. Diameter (in.) Number Approx. vol. (cu. f	t.) Pit De		rest	Pit	υim	ensio	ons		1.0		ļ
measure	ed after			25	hrs. elapsed over 24 - = -	Pit Ler		X Wi	dth		-	4	5.0 x		0 ft	\neg

HAL ALD	EY& RICH			E	NVIRONMENTAL TEST PIT	LOG	R.A	١F	T		TP.	-10	-18		
PROJECT LOCATION			East Station		GP Site	H&A FILE NO. PROJECT MGR.	-		02-00 g Al)6	Page		1	of	1
CLIENT			Rochester C	Gas & Elect	ric Corporation	FIELD REP	<u>.</u>	Shaw	vn P	off					
CONTRAC					al Services, Inc.	DATE	_		Dec-2						
EQUIPMEN Ground El.		420.04			Su PC400LC Excavator	WEATHER Groundwater depth:	-		v 20		nin).				
El. Datum		rom 420.0 t arge Canal	.0 420.5	ft.	Location See Plan	Orounawater depth	, 01111	•		/min.					
		PID	Stratum		Visual Identification			Grav	vel	S	and		F	ield T	est
Depth (ft.)	Sample ID	Reading (ppm.)	Change Depth (ft.)	USCS Symbol	(Color, GROUP NAME & SYMBOL, % oversiz particle size, structure, odor, moisture, optiona geologic interpretation)			% Coarse	% Fine	% Coarse	% Medium % Fine	% Fines	Dilatancy	Toughness	Plasticity
-		1.2	0.5	SM	-TOPSOIL- Brown to gray-brown silty SAND with gravel, occasional cobb	eles, ~5% each ALM, brick,									
					concrete and metal, trace wood, slight musty odor to slight weat odor, moist										
			4.0		Note: Discontinuous layer of black CINDERS and CLM, no oc	dor, dry, from ~ 1.8 to 2.3 fr	5								
- 4 -		1.7		SM	Gray silty SAND with gravel, $\sim 50\%$ concrete pieces, brick, n weathered petroleum-like odor, dry to moist	netal and wood debris, slight	nonnon								
							5				Outsi				
8 -						Brick wall of Holder #7 ~4 ft thick	חיייייייייייייייייייייייייייייייייייייי				Hold	ler			
40												\	1		
— 12 —		2.6	13.0		Similar to above, except black to gray		unnunu								
— 16 —	S1 15' - 17'														
-		1.8	13.0		Gray silty SAND with gravel, ~50% debris (brick, metal, occ weathered petroleum/naphthalene-like odor, wet, trace sheen	casional wood), slight	מערערערערערערערערערערערערערערערערערערער								
_ 20 _							מממממממ								
					Holder bottom		5								
					Concrete		B								
_ 24 _			24.0		Bottom of excavation at 22.0 to 2-	4.0 ft	В								
_ 28 _															
Obstructio	ons:		Remarks:				Fie	eld T	Гest	s		1	ш		
				ed inside th	To	latancy: pughness:	R - F	Rapid w 1	S M - N	- Slow ledium	N- N H - I	High	10.1		
					ation Method: Dr Boulders:	asticity: N - No y Strength: N - None		ow I	M - N	/ledium	H-1	High	V - Ve	ery High	h
Bottom at at depth measured		nding wate		eted pit: 0.0 .5	ft. 12 to 24 8 = hrs. elapsed over 24 - =		Dept Leng	h			<u>)imen</u>	sion	- 1	<u>):</u> 24.0) x 11	.0

HAL ALD	EY&= RICH			E	NVIRO	NMEN	TAL	TEST	PIT	LO	G	l	DR	ΑF	_		T			19		outl	
PROJECT			East Station	Earmar M	on cita						⊔ጲ∆	FILE NO		364	92-0	06	Pag	е	1	—	of		_
LOCATIO			Rochester,		GP SIIC							JECT MG			192-01 11g Al							_	-
CLIENT					ric Corporation							D REP	J11.		wn P								\dashv
CONTRAC	CTOR				al Services, Inc.						DATE					2010							
EQUIPME					su PC400LC Exc	avator						- THER					ly 10-	-13°F	;				\neg
Ground E		From 419.0 t		ft.		See Plan						vater de	oths/er						=	_	_	=	=
El. Datum		arge Canal				500 2.5								-		n./mi		•					
			Stratum				Vis	sual Identific	cation					Gr	avel	:	Sand	П	П	F	ield 1	Test	_
Depth (ft.)	Sample ID	PID Reading (ppm.)	Change Depth (ft.)	USCS Symbol		Color, GROU article size, s	structure, o	odor, moisture gic interpreta	re, option ation)					% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
		0.0	0.5	SM	Wallen brown t	· hanna siltu	CAND wit	-TOPSOIL		· 1 sinda	-nd o	····		15		10	15		25	\equiv		\equiv	
- 4 -		0.0	4.3	SIVI	Yellow-brown to no odor, dry Black COAL Classible, no odo	INDER partic		-SOIL FILI	L				soil		13	10	15	13	23				
— 8 —	S1 8' - 11'	0.0	7.3	ML	Yellow-brown to			-CINDER FII equent cobbles		dor, moist	<u> </u>			5	5		Insid Hold	er	60	-	-		
— 12 —		5.8	11.5	GM SP-SM	Brown to gray-bodor, moist Gray poorly-grawith naphthalen	aded SAND w	vith silt and	-ROCK FIL)	L- uent cob	bles, stro	ong petrol	eum-like		20		10	10		15	-		-	-
— 16 —		411.0	13.5		Note: Little gro TLM. Seepage ; from ~ 7.0 to 1	grains oundwater seep generally from	page at 13.5 m 13.5 to 1	5 ft with sheer	n and d	ark browi	n to black	low visc		20		Bricl Hold	k Wa ler#7	ll of	10				
- 20 -	S2 18' - 20'	33.2	17.0		Tan SILT and si							layers in	upper										
			23.0		Note: Bucket re	fusal at 23.0 f	-WEA	THERED BE															
_ 24 _																							
_ 28 _														<u> </u>	<u> </u>				二		ユ		_
Obstruction of 22 0 ft			Remarks:	ad an couth	side outside of	holdon				Dilatancy:					Test		w N	- Non		—	—	—	_
at 23.0 ft	Į.		1) Excavate	ea on south	side, outside of	noider				Toughness	3:						ım F			_	_	—	_
			D . L . (D		- C M - d - 1					Plasticity:			- Nonplas									_	_
			Bucket De	contamin	ation Method:			Bould	ders:	Dry Streng	jth:	N - No	one L-	Low	M - I	vlediu	.m F	1 - Hig	jh V	- Ver	y Hig	<u>jh</u>	_
at depth		nding wate	er in comple	1.0	_ft.	12 1	to 24	Number 4	=	Approx.	4 0	ı. ft.)	Pit De	pth			Dim	ensi			23.0 0 x 12		

HAI ALD	EY&=			E	NVIRO	NME	NTA	L TE	ST PI	T LO	G		DR	٩F	Ŧ			t Pit P-1			(nc	ortl	h)
																	Pag	je	1	_	of	1	
PROJECT			East Station		GP Site							A FILE NO			92-0								
LOCATIO	N		Rochester,									OJECT MO	SR.		ıg Al								
CLIENT	OTOD.				ric Corporation							LD REP			wn F								
CONTRAC EQUIPME					al Services, Inc. su PC400LC Exc	avator					DA	ATHER				2010		now S	Show	verc '	20°E		
Ground E		from 419.0 t		ft.	Location	See Plan						dwater de	oths/en	_		_			JIIOW	7013 2	.01	=	=
El. Datum		arge Canal	120.0	"	Location	See Tian								•	N/			,					
			Stratum					Visual	Identification	1				Gra	avel	:	Sand	ı		Fi	ield T	est	
Depth (ft.)	Sample ID	PID Reading (ppm.)	Change Depth (ft.)	USCS Symbol			e, structur	re, odor,	MBOL, % over moisture, oper interpretation)					% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
														6	6	6	6	0				+	0)
		0.0		SM	Brown to dark 1	brown silty	y SAND w	ith grave	1, 5% brick, r	o odor, dr	ry		E	10	20	15	15	20	15	_	-	+	_
													Ī						_		_	_	_
													I.										
4																\setminus			_			+	-
- 4 -		0.2	4.5	SM	Gray-brown silt	CAND.	with ground	1 1007 b	rials aggregions	d wood r	notel pin	o (dobris)		15	15	5	10	30	15			4	_
		0.2		SIVI	no odor, dry	ly SAND	willi gravei	1, 10% 0	ick, occasiona	ii woou, ii	пстаг рір	e (debris),		13	13	,	10	30	13				_
													I.				\ Outs	de	-	_	-	+	_
													Į.				Holo	er	_			4	
- 8 -													L										
Ü																			\vee		_	+	_
	61		10.0																	\searrow	_	#	
	S1 10' - 13'	2.7	10.0	SM	Dark brown to	dark gray-	brown silt	y SAND	with gravel, 1	0% brick,	trace co	oncrete		10	10	15	20	20	15	-	-	-	-
					no odor, moist								I.						-		-	4	
- 12 -			12.0																				
		4.8		ML	Tan to gray san	dy SILT,	slight petro	oleum-lik	e odor, moist					ŀ	-	-	-	40	60	-	-	+	-
												wall of	Ė						_			4	
												ler #7 — ft thick	→										
													I								_	_	_
— 16 —		16.7	16.0	ML	Cincilar to abou		wish blook	estation of the	aids and made	timb on a								40	60			4	
	S2	16.7		MIL	Similar to above petroleum/naph						wet, sne	en, modera	le I		_		-	40	00	_			
	17' - 20'																				_	+	_
			10.0																_		_	#	
			19.0	 										-					-	_	+	+	_
_ 20 _					DEBRIS (brick	, wood, pi	ieces of pip	oe)											_		-	4	
			22.0		Note: Bucket re	fusal at 22	2.0 ft on co	oncrete h	older floor												-		_
							Bot	ttom of e	xcavation at 22	2.0 ft									_			4	
_ 24 _																\vdash	\vdash			_	-	+	_
																						_	
																			-		-	+	_
																			_		4	4	
_ 28 _																					_	_	_
Obstructi	ons:	•	Remarks:											ield			_		_	_	二	_	
			1) Inside th	ne south sid	le of Holder #7					Dilatancy								I- None H - Hig				—	_
										Plasticity:	:		Nonplas	ic L	Lo	w M	1 - Ме	dium	Н-			_	
			Bucket De	econtamin	ation Method:	1			Boulders:	Dry Stren	ngth:	N - No	one L-I	_OW	M - I	vlediu	ım F	վ - Hig	jh V	/ - Ve	y Hig	h	_
		nding wate	er in comple		4		ameter (in	n.) <u>Nur</u>	nber	Approx	c. vol. (cu. ft.)	D:: _		Test	Pit	Dim	ensi	ons				
at depth			16	5.0	ft. hrs elansed		12 to 24		2 =		1		Pit Dep		Y \//	idth		-	—	20.0	22.0 x 10	10	

HAI ALD	EY& RICH			E	NVIRC	NM	ENT	AL TI	EST F	PIT	LC)G	DR	AF	Ŧ					10	-2		
PROJECT	ī		East Station	n Former M	GP Site							H&A FIL	E NO.	364	92-0	06	Pag	je	1	-	of	_	1
LOCATIO	T East Station Former MGP Site H&A FILE IT DN Rochester, New York PROJECT IT Rochester Gas & Electric Corporation FIELD REPORT ACTOR Sevenson Environmental Services, Inc. DATE ENT Track-mounted Komatsu PC400LC Excavator WEATHER					T MGR.	Do	ıg A	llen														
CLIENT	Rochester, New York				EP	Sha	wn I	off															
CONTRAC	CTOR	Rochester Gas & Electric Corporation FIELD F Sevenson Environmental Services, Inc. DATE Track-mounted Komatsu PC400LC Excavator WEATH Range from 418.4 to 419.7 ft. Location See Plan Groundwate Sample ID Reading (ppm.) Stratum Change Depth (ft.) USCS Symbol (ft.) USCS Symbol (ppm.) (Color, GROUP NAME & SYMBOL, % oversized, maximum particle size, structure, odor, moisture, optional descriptions, geologic interpretation)					18-	Dec-	2010														
EQUIPME	NT	Rochester, New York Rochester Gas & Electric Corporation FIELD REF FOR Sevenson Environmental Services, Inc. Track-mounted Komatsu PC400LC Excavator MYS Barge Canal Sample ID PID Reading (ppm.) PID Reading (Color, GROUP NAME & SYMBOL, % oversized, maximum particle size, structure, odor, moisture, optional descriptions, geologic interpretation)		ER .	Мо	stly :	Sunny	v 18°	'F														
Ground E	I Pange	from 418 4 t					ın							_								_	=
El. Datum			10 417.7		Location	500 1 10	ш					1		-		ounte		,-					
												-		т —		Т		. 1				_	_
Depth (ft.)		Reading	Change Depth					AME & S	/MBOL, %	over				% Coarse	avel		Sand Wedium %		səu		တ္	Tes Hasticity	
			` '					• •	· ·	on)				%	% Fine	Š	W %	% Fine	% Fines	Dilat	Touç	Plas	Strength
	S1		0.5	SM	Brown to dark	brown s	ilty SAND			ck, tr	ace CL	M, glass, no o	dor,	10	10	10	5	15	15	-	-	-	١.
	2' - 5'	0.8			moist	_																	
						\rightarrow		-		-		/					_		_			-	H
					1			1		+													
					C	oncrete	+	Con	crete	*		Concrete											
- 4 -								1	\		_/											<u> </u>	L
	-										/												H
				5.5							/												r
								Bottom of	excavation a	at 5.5	ft	-											F
					Note: Structur	es are lik	elv remna	nts of Seru	bber founda	ations												H-	H
					rvote. Structur	es are in	cry remin	ins or seru	ooci rounda	ations													L
- 8 -																							
Ü																							L
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																						<u> </u>	L
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- 12 -																							l
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- 24 —																							H
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																						-	H
																							L
- 28 —															-							-	L
bstructi	ons:	1	Remarks:	1	1									Field	Tes	ts					!		_
at 5.5 ft				est half of to	est pit, facing	northeas	t				Dilatanc	y:		- Rapi			w N	- Non	ne				-
J.J Il			1) Southwe	01 11	p.e., racing	meas	-				Toughne	-		Low									-
											Plasticity	y:	N - Nonpla									_	
			Bucket De	contamin	ation Method	:					Dry Stre	ngth:	N - None L	- Low	M - I	Mediu	m ŀ	l - Hi	gh '	√ - Ve	ry Hi	igh	_
	Sta.	ndina wata	er in compl	eted nit:			Diameter	(in.) Nu	Boulder mher		Annro	x. vol. (cu. ft.	,		Tee	t Pit	Dim	ene	ione	(ft \			
at depth		nung wate	. in compl	- eteu pit:	ft.	-	12 to 2				~hhi0	χ. voi. (cu. π.	Pit De		162	rit	(۱۱۱۱	C115	UIS		<u>:</u> 5.5		
measure				-	hrs. elapsed		over 2			= :		-	Pit Le		x w	idth		•		39.0			_
		N	OTE: Sail i	dontificati	ons based on	vicual/			t the HCC	C 0111	tom a	- nreetiese b						-				_	=

HAL	EY&=			E	NVIRONMENTAL TEST	PIT L	.og DR/	٩F	Ŧ		Tes		: No.		-2 1	1	
PROJECT LOCATIO			Rochester,	New York			H&A FILE NO. PROJECT MGR.	Dot	92-0 1g A	llen	Pag	je	1		of		1
CLIENT CONTRAC EQUIPME			Sevenson E	nvironmenta	al Services, Inc.		DATE WEATHER	18-1		2010 Sunn		s°F					
Ground E El. Datum		from 420.6 t	to 421.5	ft.	-	n east-west	Groundwater depths/en	•		s (in. ./min		1.):					
Depth (ft.)	Sample ID	PID Reading (ppm.)	Stratum Change Depth	USCS Symbol	(Color, GROUP NAME & SYMBOL,	% oversize			avel		Sand		es		ield ssaudono_		t f
		(66)	(ft.)		geologic interpreta	ation)		% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Tough	Plasticity	Stren
		0.0	2.8	SM			crete, no odor, dry	15	15	10	15	20	15	-	_	-	-
	S1		3.5		Black to red ASPHALT and BRICK, no odor, dry	wall of Ms	chine Shop everyated in test pit								#		
— 4 —	4' - 6'				Gray-brown			10	20	10	10	25	25	-	-	-	-
		0.0			gravel, no odor, dry	above, exce	pt orange-brown to brown	10	20	10	10	25	25	-	_	_	
— 8 —																	
	S2 10' - 12'		10.0					25	25	20	20	5	5	-	=	_	E
— 12 —			12.0	ter, New York ter Gas & Electric Corporation on Environmental Services, Inc. mounted Komatsu PC400LC Excavator ft. Location See Plan Stake at northwest corner, orientation east-west Visual Identification (Color, GROUP NAME & SYMBOL, % oversized, maximum particle size, structure, odor, moisture, optional descriptions, geologic interpretation) SM Brown silty SAND with gravel, 10% total brick, asphalt and concrete, no odor, dry Black to red ASPHALT and BRICK, no odor, dry Brick with sand, trace gravel, no odor, dry Similar to above, except orange-brown to sign peorly-graded GRAVEL with sand an increase in the color, dry (PID=250.8) Similar to above (right or concrete/wall below 10.0 ft)), except strong odor, little grade in the color of the		trong odor, little groundwater										E	
															=		
— 16 —			16.0		Similar to above, except black, with sheens, strong na	aphthalene-l	like odor								#		
			18.0														E
_ 20 _			18.7												=		
															#		
_ 24 _															#		
20															=		
— 28 — Obstructi	one:		Domostra				E	اماما	Tes	te					丄		L
ODSH UCII	uila.		Remarks:			Tou	ancy: R - ghness: L - I	Rapi Low	d S M-I	- Slo Mediu	ım l	H - Hi	gh	_		_	_
			Bucket De	contamin	ation Method:	Dry :										gh	_

 Diameter (in.)
 Number

 12 to 24
 2

NOTE: Soil identifications based on visual/manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

over 24

Approx. vol. (cu. ft.)

Test Pit Dimensions (ft.):

23.0 x 12.0

Pit Depth
Pit Length X Width

at depth

measured after

Standing water in completed pit:

16.0

0.25

hrs. elapsed

HAI ALD	EY& RICH			E	NVIRONMENTAL 1	ΓЕ	ST PIT LO	G DR	٩F	Ŧ			T		10-	-22	
	_											Paç	je	1		of	1
PROJECT			East Station		GP Site			H&A FILE NO.		92-0							
LOCATIO	N		Rochester,					PROJECT MGR.		ıg A							
CLIENT					ric Corporation			FIELD REP		wn I							
CONTRA					al Services, Inc.			DATE			2010						
EQUIPME	NT		Track-mour	nted Komats	su PC400LC Excavator			WEATHER			t 20s						
Ground E		from 420.4 t	o 421.6	ft.	Location See Plan		(Groundwater depths/er	•		•		1.):				
El. Datum	NYS B	arge Canal	1						~().5 11	n./m	ın.					
		PID	Stratum		Visu	ıal Id	lentification		Gr	avel		Sanc	ı		Fi	eld T	est
Depth (ft.)	Sample ID	Reading (ppm.)	Change Depth (ft.)	USCS Symbol	• •	lor, n	noisture, optional desc erpretation)		% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Flasticity
		0.0	0.5	SM	Light brown silty SAND with gravel, trace		RUSHED STONE- ck, no odor, moist		15	20	10	15	20	20	-	-	+
				-	, , , , , , , , , , , , , , , , , , ,												I
			2.6														+
		0.0	3.0		Brown silty SAND (SM) trace roots	F											
					-BURIED TOPSOIL-	- 표		own silty SAND (SM), prick, no odor, moist	15	10	10	10	35	20	-		+-
— 4 —					Brown to gray-brown poorly-graded	辜	(PID = 0.0)	month, no odor, mont									
	S1				SAND with silt and gravel (SP-SM) (40% and BRICK (50%), ~10% ALM and coa												+
	5.5' - 8.5'				dust, occasional metal pipes and debris,	<u> </u>											
					musty odor, dry (PID=1.3)	눞	Brown poorly-grade (SP), no odor, dry (20	20	25	20	10	5	-		- -
						豆	-										\pm
_ 8 _					Green painted	퍞	Brick and s	tone wall (18 in. wide),									_
					side of wall	퍞	probable La	io outlaing									+
			11.0			Ξ	Similar to above, exc										Ţ
			11.2		Floor slab	+	moderate to strong n odor, occasional blel										+
	S2				11001 5440		(PID = 54.5)	0.0102111									
	11' - 13'																+
— 12 —																	\top
					/												_
					Not Excavated		Similar to above, exc	ept wet, trace red-	 								+
					/		brown OLM leaching	out onto surface									I
					/	+	of groundwater (PID	= 1/2.8)									+
— 16 —																	I
								ND w/gravel (SP), strong ret sheens, w/black TLM	20	20	25	20	10	5	-		+-
					*		olebs present on soil stai	ns, wet, sheen (PID=96.6)									
		-	18.5			-		DEPOSITS- ED BEDROCK-	1	-	-		$\vdash \vdash$		-		+
			10.5		Bottom o	of exc	cavation at 18.5 ft	ED BEDROCK									1
									1								+
_ 20 _																	
		<u> </u>														\perp	+
															1		士
						-			L				$\vdash \overline{1}$	-1	$-\Gamma$		\dashv
		1													-	-	+
_ 24 _																	
		 							1						-	-	+
																	I
										-	-		-		-	-	+
																	T
		-							1	-	-						+
<u> </u>																	土
Obstructi	ons:		Remarks:						ield								
							Dilatancy: Toughness					w N					
			 				Plasticity:	N - Nonplas							High		
			Bucket De	econtamin	ation Method:		Dry Streng	th: N - None L -	Low	M - I	Mediu	ım l	H - Hi	gh \	/ - Ver	y High	
	Sta	ndina wata	er in comple	eted nit:	Diameter (in.)	Numl	Boulders: ber Approx	vol. (cu. ft.)		Tes	t Pit	Dim	ensi	ione	(ft.):		
at depth		amy wate		8.5	ft. 12 to 24	-	<u> </u>	- Pit De	pth			111 ت			11.2	to 18	
measure	ed after		0	.5	hrs. elapsed over 24		=	- Pit Ler	ngth	X W	idth				47.0	x 8.)

Test Pit No. **DRAFT** HALEY& **ENVIRONMENTAL TEST PIT LOG TP-10-23(east)** ALDRICH of H&A FILE NO. PROJECT East Station Former MGP Site 36492-006 LOCATION Rochester, New York PROJECT MGR. Doug Allen CLIENT Rochester Gas & Electric Corporation FIELD REP Shawn Poff CONTRACTOR Sevenson Environmental Services, Inc. DATE 15 to 16 Dec-2010 EQUIPMENT WEATHER Track-mounted Komatsu PC400LC Excavator Snow Flurries, 20°F Groundwater depths/entry rates (in./min.): Ground El. Range from 422.6 to 425.1 ft. Location See Plan Fl. Datum NYS Barge Canal Not Encountered Visual Identification Gravel Field Test Stratum PID Depth Sample Change USCS (Color, GROUP NAME & SYMBOL, % oversized, maximum Reading Medium ID Depth Symbol (ft.) (ppm.) particle size, structure, odor, moisture, optional descriptions, Fine (ft.) geologic interpretation) -TOPSOIL-0.0 SM Orange-brown silty SAND with gravel, frequent cobbles, trace roots, no odor, moist 10 10 10 10 45 SC Gray brown clayey SAND with gravel, trace ALM, coal cinders, black wood fibers, brick, 2.4 10 20 15 10 15 30 slight musty odor, moist 4.0 4 OL Black ORGANIC SILT with sand, trace gravel/cobbles, with frequent wood chips/fibers, 5 20 S1 5' - 7 136.0 trace metal fragments, acrid odor with petroleum-like undertones, moist Brick and Concrete Note: Bucket refusal across all brick and concrete surfaces at 8 9.0 Brick & Concrete 10.5 Bottom of excavation at 10.5 ft 12 16 20 24

28 Obstructions: Field Tests Remarks: R - Rapid S - Slow N- None Concrete 1) East half of test pit Dilatancy: L - Low M - Medium H - High Toughness: N - Nonplastic L - Low M - Medium H - High Plasticity: **Bucket Decontamination Method:** N - None L - Low M - Medium H - High V - Very High Boulders: Test Pit Dimensions (ft.): Diameter (in.) Number Standing water in completed pit: Approx. vol. (cu. ft.) at depth 12 to 24 Pit Depth 6.0 to 10.5 ft measured after hrs. elapsed over 24 Pit Length X Width 27.0 x 14.0 NOTE: Soil identifications based on visual/manual methods of the USCS system as practiced by Haley & Aldrich, Inc

HALEY& ALDRICH

ENVIRONMENTAL TEST PIT LOG

DRAFT

Test Pit No.

TP-10-23(west

ALD	RICH				INVIRU	IAIAI⊏IA I	AL I	ESIF	II LO	G					ı	Г-	TU	-23)(W	esi	.)	
												Page 1 of 1										
PROJECT			East Station	Former M	GP Site					H&A FILE N	٥.	364	92-0	06								
OCATIO			Rochester,							PROJECT M			ıg Al									
CLIENT					ric Corporation					FIELD REP	····		wn P									
CONTRAC	CTOR									DATE					201	0						
					al Services, Inc.										-201		2	DOE:				
QUIPME					u PC400LC Exc					WEATHER						howe	rs 20	J ⁻ F			_	
Ground E		from 422.6 t	o 425.1	ft.	Location	See Plan				Groundwater de	-	-				1.):						
I. Datum	NYSB	Sarge Canal										Not	Enco	ounte	red							
		PID	Stratum				Visua	al Identification	on			Gra	avel	:	Sanc	1		F	ield	Test		
Depth	Sample	Reading	Change	USCS	((Color, GROUP	NAME & S	SYMBOL. % o	versized. n	naximum		Ф		ө	Ε				SS			
(ft.)	ID	(ppm.)	Depth (ft.)	Symbol		article size, str	ucture, odd	or, moisture, o	ptional des			% Coarse	ine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength	
			, ,					interpretation	1)			%	% Fine	0 %	2 %	₩ Ε	₩ Ε	Dila	Tou	Plas	Stre	
		0.0	0.3	CM	Drown to are	ur brown silter C		-TOPSOIL-	als and asph	alt niceae no odor	maist	15	10	10	10	35	15				_	
		0.0	1.2	SM SM	Yellow-brown s					alt pieces, no odor	, moist	5	10	5	10	50	20	-	-	-	-	
						•																
			2.8													\vdash						
	S1	1.0		SM	Gray-brown silt	ty SAND with g	ravel, trace	brick, coal, no	o odor, moi	st		20	15	10	15	25	15	-	-	-	-	
- 4 -	3' - 5'				Notes Buelest re	efusal at 5.0 ft o	n aanarata	alah aaraas anti	ro longth of	toot nit						$\vdash \vdash$						
			5.0		Note. Bucket 10	ciusai at 5.0 it 0	ii concrete	siau acioss ciiti	re rengui or	test pit						H						
							Bottom o	f excavation at	5.0 ft												_	
					Note: Ground s	urface slones to	west: conc	rete slahs at 5 (0 ft in west	end are at ~7 ft b	ıσς					\vdash				-		
					in east end	arrace stopes to	west, cone	rete sidos de 5.	o it iii west	end are at 7 it t	50										_	
																\square						
- 8 —																						
																\vdash						
40																						
- 12 -																						
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- 16 -																						
10																\vdash						
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- 20 -																\vdash						
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– 24 –																					_	
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20												1				\vdash			\dashv	\dashv	_	
- 28 -																						
Obstruction	ons:		Remarks:	10.04					Dileter			ield				l N'= :	•				_	
			1) West ha	lf of test pi	t				Dilatancy Toughnes							l- Non H - Hig						
									Plasticity:		I - Nonplas						_	High			_	
			Bucket De	econtamina	ation Method:				Dry Stren			L - Low M - Medium H - High V - Very High										
	64-	ndinget	r in 20	oted nit:		Diemete	r (in)			vol (ou #1)		_	Too	D:4	Di		ion	. /64 \			_	
Standing water in completed pit: Diameter (in.) Number Approx. vol. (cu. ft.) Pit Dej at depth - ft. 12 to 24 - = - - Pit Dej									rest	rit	חוט	ensi	ions		<u>:</u> 5.0							
				_							Pit Ler		x w	idth		-) x 1′	7.0	_	
		N	OTE: Soil i	dentificati	ons based on	visual/manual	methods	of the USCS	system as	practiced by Ha	aley & A	ldric	h, Ir	ıc.			_			_	_	
												_				_					_	

HAI ALD	EY& RICH			E	NVIRO	NMENTAL TES	ST PIT	LOG	DRA	۱F	Ŧ		Tes	T	t No. 'P-1	10-	-24	la 1	
PROJECT			East Station	Former M	GP Site			H&A FILE NO) <u>.</u>	364	92-00		rα _b	E	_		U1	-	-
LOCATIO			Rochester,					PROJECT MC			ıg Al		_					_	
CLIENT					ric Corporation			FIELD REP			wn P				_	_			
CONTRAC	CTOR		Sevenson E	nvironmenta	al Services, Inc.			DATE		10-1	Dec-2	2010		_		_		_	
EQUIPME					su PC400LC Exc	cavator		WEATHER					dy, 1:	5-32	°F_				
Ground E		from 421.3 t			Location	See Plan		Groundwater de							_	_	_	_	=
El. Datum		arge Canal		<u> </u>						Not	Enco	ounte	red	_	_		_	_	
			Stratum			Visual Ide	ntification			Gra	avel	;	Sand		\sqcap	F	ield	Test	_
Depth (ft.)	Sample ID	PID Reading (ppm.)	Change Depth (ft.)	USCS Symbol		Color, GROUP NAME & SYMB particle size, structure, odor, mo geologic inter	oisture, option pretation)			% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
		0.3	0.5	SM	Brown silty SA	-TOP: ND with gravel, frequent cobbles		brick asphalt nieces, rebar		10	10	10	15	30	25	-	+	_	ᆜ
		0.5		0111		ht weathered petroleum/diesel-like		orick, aspirant pieces, recar	,	10	10	10		5.0	ات	士		士	
	<u> </u>		<u> </u>	<u> </u>							\square	\vdash	Ē⊢	\vdash	\dashv	$\bar{+}$	$\overline{+}$	\dashv	
			l	l	<u> </u>										一	\exists	\exists	\exists	
			4.0								\blacksquare	Ē	Ē	_	$\bar{oldsymbol{arphi}}$	$\overline{+}$	\exists	\exists	_
- 4 -		0.2	4.0	SM	Similar to above	e, except gray-brown to brown, o	occasional w	ood cinders, moist		10	10	10	15	30	25	ᆂ	=		-
	<u> </u>		<u> </u>	F	<u> </u>						lacksquare	$\vdash \vdash$	\vdash	_	\dashv	$\overline{+}$	\dashv	\dashv	
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				-							-	\vdash	\vdash		\vdash	\dashv	_	-	
							-C	CONCRETE SLAB-								廿	_	\exists	
_ 8 _		0.4	8.0	 	Dod DDICK wis	th steel pieces, no odor, dry	宫							\vdash	\blacksquare	H	4	4	
		0.4			KCU DKICK WII	in steer pieces, no odor, dry	字				H	H			\dashv	\dashv	+	\dashv	_
							臣	D.: 1 1						\Box	曰		4	4	_
								Brick and concrete wall (2 ft wide)			H	H			\vdash	\dashv	\dashv	\dashv	
					N. D.C. I	. 12.0.6	Ħ									H	1	\exists	_
40			12.0		Note: Refusal a	at 12.0 ft	불				H	\vdash	\vdash		Н	\dashv	+	\dashv	_
— 12 —						-CONCRETE SLAB-											1	1	_
						22.0 ft					\vdash	H	\vdash		$\overline{}$	\dashv	-	\dashv	_
						Bottom of excar	vation at 12.	0 ft						\Box	曰		4	4	_
											H	\vdash	\vdash		Н	\dashv	+	\dashv	_
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Obstructi	ons:		Remarks:						Fi	eld	Test	is.	ш	_	_	_	—	_	_
	7 and 12 ft			on oriented	roughly east-wes	st		Dilatancy:					w N-	- Non	ie		_		_
								Toughness:					ım H						_
			Bucket De	contamin	ation Method:				Nonplast									ah ah	
						В	Boulders:	ony chongun							<u></u>	_	<u>.,,</u>	<u></u>	
at depth	· ·	nding wate	er in comple	eted pit:	ft.	Diameter (in.) Number	<u>er</u> =	Approx. vol. (cu. ft.)	Pit Dep		Test	Pit	Dim	ensi	ions	(ft.):	<u>):</u> 12.0		
maggire					hre elanced	over 24			Pit I on		V 141:	: -141-		-			0 v 16		

Test Pit No. DRAFT HALEY& **ENVIRONMENTAL TEST PIT LOG TP-10-24b** PROJECT H&A FILE NO. East Station Former MGP Site 36492-006 LOCATION Rochester, New York PROJECT MGR. Doug Allen CLIENT Rochester Gas & Electric Corporation FIELD REP Shawn Poff CONTRACTOR Sevenson Environmental Services, Inc DATE 10-Dec-2010 EQUIPMENT WEATHER Track-mounted Komatsu PC400LC Excavator Mostly Cloudy, 15-32°F Groundwater depths/entry rates (in./min.): Ground El. Range from 421.3 to 425.5 Location See Plan Fl. Datum NYS Barge Canal ~1 to 2 in /min at 13.5 ft has Visual Identification Field Test Stratum PID Depth Sample Change uscs (Color, GROUP NAME & SYMBOL, % oversized, maximum Reading Medium ID Depth Symbol (ft.) (ppm.) particle size, structure, odor, moisture, optional descriptions, Fine (ft.) geologic interpretation) -CRUSHED STONE-0.1 SM Gray-brown to light brown silty SAND with gravel, trace brick, concrete, asphalt, no odor 15 15 10 15 S1 3.0 Black COAL DUST and PARTICLES, occasional bricks, no odor, dry 3 - 5 1.3 5.0 Black CINDERS, CLM, and ALM, musty odor, dry 1.4 S2 7.0 7' - 9 0.9 Orange-brown silty SAND with gravel, ~5% brick, no odor, dry 10 10 10 10 30 8 Light gray poorly-graded GRAVEL with sand, ~20% cobbles, strong weathered S3 20 25 25 5 10' - 13' 211.8 petroleum-like odor, gray color probable stain, trace brown OLM on gravel surfaces, trace brown OLM on surface of groundwater at 13.5 ft Note: Sidewalls of test pit continually caving, test pit terminated at 16.0 ft 12 16.0 -ALLUVIAL DEPOSITS 16 Bottom of excavation at 16.0 ft Note: Old metal process pipes encountered in fill from \sim 4.0 to 9.0 ft, generally filled with soil from Fill stratum, no NAPLs/liquids observed 20 24 28

Obstructions: Remarks: Field Tests R - Rapid S - Slow N- None None Dilatancy: L - Low M - Medium H - High Toughness: N - Nonplastic L - Low M - Medium H - High Plasticity: **Bucket Decontamination Method:** N - None L - Low M - Medium H - High V - Very High Boulders: Approx. vol. (cu. ft.) Diameter (in.) Number Standing water in completed pit: Test Pit Dimensions (ft.): at depth 13.5 12 to 24 1.8 Pit Depth 16.0 measured after hrs. elapsed over 24 Pit Length X Width 33.0 x 10.0 NOTE: Soil identifications based on visual/manual methods of the USCS system as practiced by Haley & Aldrich, Inc

HAI ALD	EY& RICH			E	NVIRO	NMEN	TA	L TEST P	IT L	og	D	RA	۱F	Т					10	-25	5	
PROJECT LOCATIO			East Station		GP Site					_	FILE NO. JECT MGR			92-0		Pag	je	1		of	1	_
CLIENT	N		Rochester (ric Corporation					_	D REP			g Al wn P								_
CONTRAC	CTOP				al Services, Inc.					DATE					2010							_
EQUIPME					su PC400LC Exc	avator				_ WEAT					t, 30:	°F						_
Ground E		from 426.1 t		ft.	1	See Plan				_	vater depth						1.):				_	=
El. Datum		arge Canal	0 120.7		Location	See I lan							-		ı./mi		•					
			Stratum					Visual Identification	n				Gra	vel	,	Sand			Fi	eld 1	Test	_
Depth (ft.)	Sample ID	PID Reading (ppm.)	Change Depth (ft.)	USCS Symbol			tructur	ME & SYMBOL, % or re, odor, moisture, op eologic interpretation	otional de				% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strenath
		0.0		SM	Brown silty SAl	ND with grave	el, no o	odor, moist					15	15	10	10	30	20	-	-	-	-
		0.0	1.2	SC	Light brown to	orange-brown	clayey	SAND with gravel,	trace bric	k, asphalt, n	o odor, moi	ist	10	10	5	5	30	40	N	M	L	_
								,													1	
		0.0	2.8	SM Brown silty SAND with gravel, 10% concrete, no odor, moist Note: Concrete block, cubic with ~24 in. sides encountered at ~4 ft									15	15	10	10	20	20	-	-	 	_
- 4 -		0.1			Note: Concrete	block, cubic v	with ~	24 in. sides encounter	red at ~4	· ft											1	_
			6.7	SM	Gray-brown silt	y SAND with	gravel	, 10% concrete, trace	asphalt,	plastic, bricl	k, no odor,		10	15	10	10	20	25	-	-	-	-
_ 8 _		0.2			moist	•															4	
																					1	
		10.0	9.5	 -	Grav-brown silt	v SAND with	gravel	, trace brick, coal, A	I.M sligh	nt weathered	netroleum-		10	15	10	15	25	25	_	+	+	_
		10.0	10.5		like odor, moist				Livi, singi	it weathered	petroleum										_	
					BRICK (~55% CONCRETE) with silty sa	ind, no	odor, dry					5	5	5	5	10	15	-	-	-	_
— 12 —					\		occas	to tan COAL PARTICional lenses of clayey	sand, mu	isty odor, m		0.7)									<u> </u>	_
			14.0				Note	e: Test pit caving in fr	om 11.0	to 14.0 ft										-	+	
								ght brown clayey SAI			trace brick,		20	15	15	10	15	25	-	-	-	_
	S1 15' - 17'		15.0	 	 	\	\a	sphalt, slight odor, m Similar to above, exc			s (stained),										\pm	_
- 16 -						lot avated	1	weathered petroleun	n-like odo	r, moist (PI	D=380.6)										4	
	S2		17.0		Exca	Vated	_														1	
	17' - 18'					$\overline{}$	\perp	Similar to above, e	xcept orai	nge-brown (I	PID=0.0)										_	_
			19.0			$\overline{}$	__														1	_
_ 20 _						-	_	Brown poorly-graded petroleum-like odor v	vith naph	halene-like ι	undertones v	wet,	20	20	25	20	10	5	-	-	_	_
			21.0				1	sheen, few blebs of b (PID 88.3)	rown OL	M on gravel	surfaces										+	-
					Note: Bucket re	fusal at 21.0 f		obable bedrock tom of excavation at 2	21 O ft											-	1	
							БО	tom of excavation at 2	21.0 It												1	
																				-	+	_
_ 24 _																					コ	
																						_
																			-		4	
																					1	
		-																-	\dashv	\dashv	+	_
_ 28 _																				1	#	
Obstructi	ons:	ı	Remarks:	<u> </u>	<u>I</u>				T			Fi	eld	Test	ts						_	-
Concrete	at 11.0 ft								Dilatan								- Non				_	_
			-						Toughr Plastici		N - N	L - L onplasti					dium		High		—	_
			Bucket De	econtamin	ation Method:				Dry Str		N - None									ry Hig	h	_
		nding wate	er in compl			Diame				ox. vol. (cu				Test	Pit	Dim	ensi	ions	(ft.):			
at depth measure				.5	ft. hrs. elapsed		to 24 er 24	<u>6</u> = =		-		it Dep		K W	idth					1.0) x 8	.0	_

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DD 0 1503			F . 6		an at				110 4 511 5 110	26	102.0	0.0	Paç	ge	1		of	1				
PROJECT			East Station		GP Site				H&A FILE NO.		192-0											
LOCATIO	N		Rochester,		nia Camannatian				PROJECT MGR.		ug A											
CLIENT	0700				ric Corporation				FIELD REP		awn l											
CONTRA					al Services, Inc				DATE			2010										
EQUIPME					su PC400LC E				WEATHER	_		st, 35						_				
Ground E El. Datum		from 424.8 t arge Canal	to 432.2	ft.	Location	See Plan			Groundwater depths/	-		s (in ounte		1.):								
Lii Dutuii		urge cunui				W I I I						1						_				
Danish	Camada	PID	Stratum	Heee		Visual Ident	ification	1		Gi	ravel		Sano	,	ļ	FI	eld Te	st				
Depth (ft.)	Sample ID	Reading (ppm.)	Change Depth (ft.)	USCS Symbol		(Color, GROUP NAME & SYMBC particle size, structure, odor, mois geologic interpr	ture, opt			% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	l oughness Plasticity	trenath				
		0.3		SM	Brown silty S	AND with gravel, occasional pieces	of asphal	t, no	odor, moist	10			10	25	20	-		-				
																	-	-				
	S1		2.0	<u> </u>														1				
	2' - 5'	4.6		SM	Gray silty SA	ND with gravel, slight weathered pe	troleum-l	ike o	dor, dry to moist	10	20	15	15	25	15	-	- -	+-				
- 4 -																-		+				
	S2		5.0							_												
	5' - 8'	2.0		SM	Brown silty S moist	AND with gravel, 10% metal debris	, brick, s	light	weathered petroleum-like odo	r, 10	10	10	10	30	20	-		+-				
																		I				
																-		+				
_ 8 _		2.1	8.0	CM	Donk over eile	CAND with several alight weather	ad makesal	1	ille adar der with sessional		20	1.5	15	25	1.5							
		2.1		SM		y SAND with gravel, slight weather by to purple to brown sandy clay with			like odor, dry, with occasional	10	20	15	15	25	15	-	- -	+-				
		0.0	9.5	SC	Drown to ora	nge-brown clayey SAND with gravel	un to 10) 07 +c	stal ATM goal partiales	10	10	5	5	35	35			\perp				
		0.0		SC		ght odor, moist	, up to 10	J% 10	otal ALM, coal particles,	10	10	3	3	33	33	-	- -	+				
																		4				
– 12 –			12.0															+				
12				\	55	concrete	<u></u>	_	concrete	4)							-	-				
					1	op of exposed foundation wall		- 1														
				\vdash				-								-		+				
								-										1				
40				+	0'		76'	85	' 112	7	-							+				
— 16 —					8,	72'	81	,										1				
					Note: Bucket	refusal on slabs across length of tren			irface slopes down from east									+				
				\	to west; refus	al at 12.0 ft on east end and 9.0 ft or Bottom of excava				-	-					_		+				
						Bottom of excava	tion at 12	2.0 10														
										-						-		+				
— 20 —																		I				
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Obstructi	ons:	•	Remarks:		•					Field												
					(similar to 8-9.	5 ft) at $\sim 11-12$ ft bgs, from 0 to 55	ft	+-	,	R - Rap												
			west of stal					_	sticity: N - Nonp	astic	L - Lo	w N	1 - Me	edium	Н-			_				
			Bucket De	econtamin	ation Method		ulders:	Dry	Strength: N - None L	- Low	М -	Medi	ım	H - Hi	gh \	- Ver	y High	_				
	Sta	nding wate	er in compl	eted pit:		Diameter (in.) Number		Аp	prox. vol. (cu. ft.)		Tes	t Pit	Dim	nens	ions	(ft.):						
at depth measure				NE -	ft. hrs. elapsed	12 to 24 - over 24 -	_ =	_		epth ength	X 1V	/idth					avg 12.0 12 x 11.5					
moadult	- unto				o. olapoeu	5751 27				vi igii i	/ \ v V	Juli				114						

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										Paç	je		Į	of	1
PROJECT	Г		East Station	Former M	GP Site	H&A FILE NO.	364	92-0	06						
LOCATIO	N		Rochester,			PROJECT MGR.		ıg Al							
CLIENT			Rochester (Gas & Elect	ric Corporation	FIELD REP	Sha	wn P	off						
CONTRA					al Services, Inc.	DATE		Dec-2							
EQUIPME					u PC400LC Excavator	WEATHER	_	stly (,				_	
Ground E		from 422.4 t		ft.	Location See Plan	Groundwater depths/en	•		•		,	2			
El. Datum	NYSB	Barge Canal	1	 _		Slight	T		1			τ			
Depth (ft.)	Sample ID	PID Reading (ppm.)	Stratum Change Depth (ft.)	USCS Symbol	Visual Identification (Color, GROUP NAME & SYMBOL, % oversized, n particle size, structure, odor, moisture, optional des geologic interpretation)		Granse %	wel %	% Coarse	Sand Wedium %	% Fine	% Fines	Dilatancy	Tondhness Tondhness	Plasticity
		0.2	0.3	G) (-TOPSOIL-	11.11	20							\Box	\Box
		0.2		SM	Brown to orange-brown to gray-brown silty SAND with gravel, trace odor, moist	asphalt, brick, no	20	20	15	10	20	15	1	_	-
	S1													4	4
	2' - 4'													-	-
														_	4
- 4 -														-	\dashv
					Similar to above Black ASPHALT, solid to cr slight naphthalene-like odor										_
	S2				Stight naphthalene-like odor	(PID=2.0)								+	+
	6' - 7'			Drieles	8' Gray-brown poorly-graded S trace brick, no odor, wet, no		-	-	5	15	70	10	-	-	
				Bricks										+	+
_ 8 _					Concrete slat										_
					Rounded brick structure excavated, pr	obable historic								+	+
					Brick Filled with black ORGANIC SILT (C	N V socials beginning and								4	
					& Filled with black ORGANIC SILT (0 Mortar ← wood fibers, strong acrid/petroleum									-	+
					naphthalene-like undertones, moist (I	PID=138.3)									
— 12 —			12.0		Note: Bucket refusal on concrete across the er	tire test pit								+	+
					Bottom of excavation at 12.0 ft										
														+	+
														+	+
														_	-
— 16 —														1	\pm
															_
														1	士
				-			\vdash							+	+
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Obstructi Slabs	ons:		Remarks:		Dilatancy		ield Rapi			w N	I- Nor	ne			
SIAUS					Toughnes		Low								
i					Plasticity:	N - Nonplas	tic L	- Lo	w N	I - Me	dium	Η٠	High		_

Approx. vol. (cu. ft.)

Boulders:

Diameter (in.) Number

12 to 24 6

NOTE: Soil identifications based on visual/manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

over 24

N - None L - Low M - Medium H - High V - Very High

Pit Depth

Pit Length X Width

Test Pit Dimensions (ft.):
6.0 to 12.0

77.0 x 7.0

at depth

measured after

Bucket Decontamination Method:

ft.

hrs. elapsed

NE

Standing water in completed pit:

Test Pit No. **DRAFT** HALEY& **ENVIRONMENTAL TEST PIT LOG TP-10-28** PROJECT H&A FILE NO. East Station Former MGP Site 36492-006 LOCATION Rochester, New York PROJECT MGR. Doug Allen CLIENT Rochester Gas & Electric Corporation FIELD REP Shawn Poff CONTRACTOR Sevenson Environmental Services, Inc. DATE 17-Dec-2010 EQUIPMENT WEATHER Track-mounted Komatsu PC400LC Excavator Light Snow, 20s°F Groundwater depths/entry rates (in./min.): Ground El. Range from 424.1 to 425.7 Location See Plan El. Datum NYS Barge Canal ~ 0.2 in /min Visual Identification Gravel Field Test Stratum PID Depth Sample Change USCS (Color, GROUP NAME & SYMBOL, % oversized, maximum Reading ID Depth Symbol (ft.) (ppm.) particle size, structure, odor, moisture, optional descriptions, (ft.) geologic interpretation) -TOPSOIL-0.0 SM Brown silty SAND with gravel, 5% each brick and asphalt pieces, no odor, moist 15 20 10 10 S1 2' - 5' 4 Note: Brick and concrete slab at 6.0 ft bgs in south end of test pit, brick layer from 6.0 ft to 7.5 ft bgs across rest of test pit Similar to above (from 0.6 to 6.0 ft) 0.0 8 10.5 Black gray silty SAND with gravel, slight petroleum/naphthalene-like odor, moist 11.8 15 15 15 15 15 12 S2 13.0 13' - 15' Black to gray to green-gray SILT, strong petroleum/naphthalene-like odor, wet at ~14.0 ft 316.8 Note: Bucket refusal at 15.5 ft 15.5 Bottom of excavation at 15.5 ft 16 20 24 28 Obstructions: Remarks: Field Tests R - Rapid S - Slow N- None

Dilatancy:

Toughness:

Plasticity:

Approx. vol. (cu. ft.)

Boulders:

Diameter (in.) Number

NOTE: Soil identifications based on visual/manual methods of the USCS system as practiced by Haley & Aldrich, Inc

12 to 24

over 24

L - Low M - Medium H - High

N - Nonplastic L - Low M - Medium H - High

Pit Depth

Pit Length X Width

N - None L - Low M - Medium H - High V - Very High

Test Pit Dimensions (ft.):

15.5

39.0 x 12.5

Form 2006 USCS Env.

at depth

measured after

Bucket Decontamination Method:

hrs. elapsed

14.0

0.5

Standing water in completed pit:

HAL ALD	EY& RICH			E	NVIRO	NMENT	AL TI	EST PIT	ΓLOG)R	٩F	Ŧ			T	i No.	-10-			_
			~							110		254			Pag	e	_1		of	1	_
PROJECT LOCATION			East Station Rochester, 1		GP Site					A FILE NO. DJECT MGF			92-00				—	—	—	—	
CLIENT	N				ric Corporation					D REP			ıg Al wn P				—	—	—		-
CONTRAC	^TOR				al Services, Inc.				DA1					2010					_	_	\neg
EQUIPME					su PC400LC Exc	avator				ATHER				Cloud		n°F					-
Ground El		from 435.4 t		ft.		See Plan				water dept							_	_	_	_	=
El. Datum		Sarge Canal	.0 .0	·		000 1 1				-		•		ounte		,					
		Ī	Stratum				Visual	Identification				Gra	avel	:	Sand			F	ield 1	Test	_
Depth (ft.)	Sample ID	PID Reading (ppm.)	Change Depth (ft.)	USCS Symbol	pa	article size, struc	NAME & SY ucture, odor, geologic i	/MBOL, % ove , moisture, opti- nterpretation)	rsized, maximun onal descriptions	i,		% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
		0.4		SM	Brown to gray-b	brown silty SANI	D with grave	el, 5% asphalt,	trace brick, no od	or, dry		5	15	20	10	30	15	\equiv	4	╕	⊒
- 4 -																			+ - - - - - - - - - -	 	
		1.0	5.0		Diede ACDIIAI	m 1.,									\Box	口		4	4	\exists	
		1.0	6.5		Black ASPHAL	T, dry						10	15	10	10	35	15	_	<u></u>	<u> </u>	
	 	2.0		SM	Gray silty SAN	D with gravel, 5	% asphalt, t	race brick, occa	sional slight weat	hered petrole	eum-	H		\vdash	H	П	\dashv	+	+	\dashv	-
- 8 -		ļ			like odor, moist	t			-	*						\dashv	A	4	4	4	
	<u> </u>	<u> </u>	<u> </u>		<u> </u>									Ш	\Box	口	\exists	\exists	\exists	\exists	_
	S1 10' - 13'				<u> </u>					·					\square	\square	\Box	\exists	寻	극	_
	10 - 13																\exists	士	\pm	\exists	
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									BRICK and R	OCK	}								#		_
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— 16 —		0.7	16.0	SP-SM	Light brown poo	orly-graded SAN	ID with silt,	no odor, moist				5	5	10	30	40	10		=	-	-
-		2.2		SM	Similar to 6.5 to Note: Bucket re	o 16.0 ft efusal at 19.2 ft ac	across test pi	t on slab		<u> </u>	•	E						#	#	#	<u></u>
_ 20 _			19.2				Bottom of e	excavation at 19	.2 ft			E					1	#	#	⇉	_
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_ 28 _																		#	#	_	_
Obstruction	ons:		Remarks:								Fi	ield '	Tesf	ts	ш			-	—	_	_
at 19.2 ft				oriented nor	thwest to souther	ast, left to right			Dilatancy:					- Slov							
									Toughness: Plasticity:	N - N	L - L Nonplast			Mediu				High			
			Bucket De	contamin	ation Method:				Dry Strength:		ie L-L									gh	_
at depth		nding wate	er in comple	eted pit:	_ft. _hrs_elansed	Diameter 12 to 2	24	Boulders: mber =	Approx. vol. (c		Pit Dep	oth			<u>Dim</u>	ensi	ons		19.2		

Test Pit No. DRAFT HALEY& **ENVIRONMENTAL TEST PIT LOG TP-10-30** PROJECT East Station Former MGP Site H&A FILE NO. 36492-006 LOCATION Rochester, New York PROJECT MGR. Doug Allen CLIENT Rochester Gas & Electric Corporation FIELD REP Shawn Poff CONTRACTOR Sevenson Environmental Services, Inc DATE 9-Dec-2010 EQUIPMENT WEATHER Track-mounted Komatsu PC400LC Excavator Snow Showers 20°F Groundwater depths/entry rates (in./min.): Ground El. Range from 413.6 to 414.2 Location See Plan Fl. Datum NYS Barge Canal ~0.5 in /min Visual Identification Gravel Field Test Stratum PID Depth Sample Change uscs (Color, GROUP NAME & SYMBOL, % oversized, maximum Reading Medium ID Depth Symbol (ft.) (ppm.) particle size, structure, odor, moisture, optional descriptions, Fine (ft.) geologic interpretation) -TOPSOIL ML Tan sandy SILT, ~30% black coal cinders and CLM particles, with slag particles, no odor 5 2.0 Black COAL CINDERS and CLM particles, ~20% slag particles, 10% black ALM, slight 1.2 weathered petroleum-like odor, dry 4.0 4 Similar to above, except with pockets of brick Note: Several 2 in. diameter pipes (empty, no odor) from ~3.5 to 4.0 ft ML. 16.7 Light brown to gray-brown SILT with sand, slight naphthalene-like odor and gray stain ~6.1 S1 to 6.8 ft, moist 7' - 11' 8 8.3 Similar to above, except with black staining, moderate naphthalene-like odor, moist, sheens 38.6 40 60 common on particle surfaces Note: Slight groundwater seepage at various locations ~8 to 16 ft, sheen and dark brown OLM seeping in with groundwater S2 12' - 16' 12.0 -FILL-12 Light brown silty GRAVEL with sand, numerous cobbles (~20%), angular, slight 28.2 GM 20 20 10 5 10 15 naphthalene-like odor, moist 16.0 -ROCK FILL-16 Gray poorly-graded GRAVEL with silt and sand, frequent cobbles, strong petroleum/ 30 20 10 10 92.7 naphthalene-like odor, wet, sheen, frequent dark brown OLM blebs on particle 18.0 -ALLUVIAL DEPOSITS-73.4 Note: Bucket refusal at 20.0 ft on probable bedrock; fragments of rock exhibit similar impacts as gravel above 20.0 -WEATHERED BEDROCK-20 Bottom of excavation at 20.0 ft

Boulders: Diameter (in.) Number Approx. vol. (cu. ft.) Standing water in completed pit: Test Pit Dimensions (ft.): at depth 16.0 12 to 24 Pit Depth 20.0 measured after 0.5 hrs. elapsed over 24 Pit Length X Width 27.0 x 8.0 NOTE: Soil identifications based on visual/manual methods of the USCS system as practiced by Haley & Aldrich, Inc

24

HAL ALD	EY& RICH			E	NVIRONME	NTAL TE	ST PIT	LOG	DR	ΑF	-T		Test			10-3	31_	
PROJECT			East Station	n Former M	GP Site			H&A FILE N	10.	364	92-0	06	Page	е	1	of	í —	1
LOCATIO			Rochester,					PROJECT			ug Ai							_
CLIENT	.,				ric Corporation			FIELD REP			wn F							
	TOD.																	
CONTRAC					al Services, Inc.			DATE			ec-2		30.0	_				
EQUIPME					u PC400LC Excavator			WEATHER					, 30s°				_	
Ground E		from 415.8 t	to 416.9	ft.	Location See Plan			Groundwater of	•	-		•		•				
El. Datum	NYSB	arge Canal	1						~	0.5 1	in. to	1 ın	./min					
1		PID	Stratum			Visual Ide	entification			Gr	avel	:	Sand			Fiel	ld Tes	st
Depth (ft.)	Sample ID	Reading (ppm.)	Change Depth (ft.)	USCS Symbol		OUP NAME & SYM , structure, odor, m geologic inte	oisture, optio			% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilataricy	Plasticity	Strength
	S1		0.3				PSOIL-			Ī	Ė		Ì		Ì	Τ	丅	T
	0.3' - 1'		-		2" pipe(PID=0.0)			y-graded SAND with grav	el	20	15	15	20	25	5	+	+-	+
					Similar except	(Sr), hun	nerous diicks.	, no odor, dry (PID=0.0)		20	13	1.0	20	25	3	+	╁	+
					orange-brown,											I		
		-	3.5		weathered			RTICLES/COAL DUST,		+	Co	neret	e		-	+	+	igapha
4		 	3.3	 			ravei-sizeu, s	light musty odor, dry (PII)=1.0)	+/	\leftarrow		1	1	+	+	+	+
_ 4 _					1 1					· *						T	士	1
		-	1		Brown to gray-brown poor GRAVEL and COBBLES	ly-graded	1			-					-	+	+	igapha
					and sand (GP-GM), no sta		1		4	1				-1	1	+	+	+
					(PID=0.0)		1	,	/							I		
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					-ROCK FILL	-	i											
	S3 15' - 16'		15.0		Brown to light brown poor		 	/						-	_	+	+	\bot
40	13 - 10				SAND with gravel, no odo									-		+	_	+
— 16 —					wet at 16.0 ft (PID=2.6)													
							,									+	+-	₩
							 								+	+	+	+
			18.5				/_											
					Light brown to light gray-b decomposed SHALE, sligh		¥									+	+-	+
_ 20 _			20.0		like odor, occasional blebs											+	+	+
_ 20 _					(PID=12.3)											1		L
n					-WEATHERED BE	Bottom of exc	avation at 20	O ft		-						+	+	₩
						Bottom of exc	avation at 20.	o it								+	+	T
																1		
																+	+	+
_ 24 _																+	+	+
_ 24 _																1		
																+	+	+
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			_													工	工	
Obstruction			Remarks:					Dileter		ield			N	Nasa				
Concrete	at 3.8 ft							Dilatancy:		- Rapi Low			w N-	- Hig				
			-					Toughness: Plasticity:	N - Nonpla							igh		
			Bucket De	contamin	ation Method:				None L-								High	
	-						Boulders:	Annan / /:					D:			٤, ١		
at depth		nding wate	er in comple	eted pit: 5.0		neter (in.) Numb 2 to 24		Approx. vol. (cu. ft.)	Pit De		rest	Pit	Dime	ensi	ons (ft.): 20.	0	
measure				.5		2 to 24 12 over 24 1	<u>? </u>	2	Pit Le		x w	idth		_			x 8.0	
at depth measure					• •			stem as practiced by h						_				_

Test Pit No. **DRAFT** HALEY& **ENVIRONMENTAL TEST PIT LOG TP-10-32** PROJECT H&A FILE NO. East Station Former MGP Site 36492-006 LOCATION Rochester, New York PROJECT MGR. Doug Allen CLIENT Rochester Gas & Electric Corporation FIELD REP Shawn Poff CONTRACTOR Sevenson Environmental Services, Inc DATE 9-Dec-2010 EQUIPMENT WEATHER Track-mounted Komatsu PC400LC Excavator Mostly Sunny/Snow Showers 20s°F Groundwater depths/entry rates (in./min.): Ground El. Range from 415.8 to 417.5 Location See Plan El. Datum NYS Barge Canal ~0.5 in /min Visual Identification Gravel Field Test Stratum PID Depth Sample Change uscs (Color, GROUP NAME & SYMBOL, % oversized, maximum Reading Medium ID Depth Symbol (ft.) (ppm.) particle size, structure, odor, moisture, optional descriptions, (ft.) geologic interpretation) -TOPSOIL 0.0 SM Brown to gray-brown silty SAND with gravel, ~10% brick, no odor, moist 15 10 15 10 20 20 undulating layer 12" to 24" thick (variable) S1 2' - 4 Average depth 2-4 ft 4" - 6" clay pipes in west wall 4 6" clay pipe S2 6.0 Black COAL CINDERS/DUST with CLM, 6' - 8' $\sim 30\%$ brick, $\sim 20\%$ tan silty sand (in pockets), 12 " I.D. RCP slight naphthalene-like odor, dry (PID=19.4) Light brown clayey SAND with gravel (SC), no odor, moist, little mottling (PID=0.6) 10 10 10 10 30 30 N L M 8 Note: No liquids/NAPLs observed in pipes encountered 0.1 Brown to light brown well-graded GRAVEL with silt and sand, ~20% cobbles, occasional 25 20 10 10 boulders, no odor, dry, subrounded to angular particles 12 13.0 -FILL-6.3 SP Gray poorly-graded SAND with gravel, slight petroleum-like odor, no sheens on groundwater 20 20 20 25 observed 16 Note: Bucket refusal at 18.0 ft on probable bedrock 18.0 Bottom of excavation at 18.0 ft 20 24 28

Field Tests
R - Rapid S - Slow N- None

Pit Depth

Pit Length X Width

L - Low M - Medium H - High

N - Nonplastic L - Low M - Medium H - High

N - None L - Low M - Medium H - High V - Very High

Test Pit Dimensions (ft.):

18.0

45.0 x 18.0

Dilatancy: Toughness:

Plasticity:

Boulders:

Diameter (in.) Number

NOTE: Soil identifications based on visual/manual methods of the USCS system as practiced by Haley & Aldrich, Inc

12 to 24

over 24

Dry Strength:

Approx. vol. (cu. ft.)

at depth

measured after

Obstructions:

Slahs

Remarks:

Standing water in completed pit:

Bucket Decontamination Method:

hrs. elapsed

16.0

0.5

Test Pit No. **DRAFT** HALEY& **ENVIRONMENTAL TEST PIT LOG TP-10-33** PROJECT H&A FILE NO. East Station Former MGP Site 36492-006 LOCATION Rochester, New York PROJECT MGR. Doug Allen CLIENT Rochester Gas & Electric Corporation FIELD REP Shawn Poff CONTRACTOR Sevenson Environmental Services, Inc. DATE 10-Dec-2010 EQUIPMENT WEATHER Track-mounted Komatsu PC400LC Excavator Mostly Cloudy, 15-32°F Groundwater depths/entry rates (in./min.): Ground El. Range from 421.7 to 423.0 Location See Plan El. Datum NYS Barge Canal Not Encountered Visual Identification Gravel Field Test Stratum PID Depth Sample Change USCS (Color, GROUP NAME & SYMBOL, % oversized, maximum Reading Medium ID Depth Symbol (ft.) (ppm.) particle size, structure, odor, moisture, optional descriptions, Fine (ft.) geologic interpretation) Note: Geotextile fabric and gravel 0.0 SM Brown silty SAND with gravel, with occasional brick, concrete, cobbles, no odor, dry 15 15 10 20 25 15 Note: Layer of angular cobbles $\sim 1.0 \text{ to } 2.0 \text{ ft}$ 4.0 4 0.0 Brown to orange-brown silty SAND with gravel, trace brick, no odor, dry 5 10 10 10 45 20 5.0 Note: Discontinuous layer of silty SAND with coal dust, coal particles, CLM/slag, no odor, 6.0 Note: Approximate 12 in. diameter steel gas main encountered at 7.5 ft bgs in east sidewall Excavation terminated 8.0 8 Bottom of excavation at 8.0 ft 12 16 20 24 28

Obstructions: Remarks: Field Tests Gas main at 7.5 ft bgs Dilatancy: L - Low M - Medium H - High Toughness: N - Nonplastic L - Low M - Medium H - High Plasticity: **Bucket Decontamination Method:** Dry Strength: N - None L - Low M - Medium H - High V - Very High Boulders: Approx. vol. (cu. ft.) Test Pit Dimensions (ft.): Diameter (in.) Number Standing water in completed pit: at depth NE 12 to 24 Pit Depth 8.0 measured after hrs. elapsed over 24 Pit Length X Width 36.0 x 12.0 NOTE: Soil identifications based on visual/manual methods of the USCS system as practiced by Haley & Aldrich, Inc

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PROJECT			East Station		GP Site		H&A FILE NO.		92-00			—	—			—	4
LOCATIO	N		Rochester,				_ PROJECT MGR.		ıg Al			—	—	—		—	_
CLIENT					ric Corporation		_ FIELD REP		wn P			—	—	—		—	_
CONTRAC					al Services, Inc.		DATE		Dec-2								
EQUIPME				nted Komats	su PC400LC Exc	cavator	WEATHER			, 20s		_	_	_	_	_	╝
Ground E		from 414.8 t		ft.	Location	See Plan	Groundwater depths/en	-		•		.):					Ī
El. Datum	NYS B	Barge Canal						~0	.1 ın	ı./mi	n.	—					
	İ	PID	Stratum			Visual Identification		Gra	ivel	5	Sand			Fi	ield T	est	-
Depth (ft.)	Sample ID	Reading (ppm.)	Change Depth (ft.)	USCS Symbol		(Color, GROUP NAME & SYMBOL, % oversized, i particle size, structure, odor, moisture, optional des geologic interpretation)		% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
			0.7	SP-SM	Gray poorly-gra	raded SAND with silt and gravel, no odor, moist (gra-	vel driveway)		30	25			10	⇉	=	Ī	-
	 	0.0	<u> </u>	SM	Brown silty SA	AND with gravel, trace brick, concrete, few cobbles,	no odor moist	20	20	10	10	25	15	\pm	+	+	ᆜ
	 	0.0	2.0	SIVI	Brown siny SA	AND With graver, trace blick, concrete, iew coopers,	no odor, moist	20	20	10	10	23	15	$\dot{+}$	+	$\dot{+}$	Ŧ
	ļ											\dashv	4	4	4	4	
- 4 -		0.6		SM	Gray-brown silt	ilty SAND with gravel, ~10% total brick, concrete ar	nd asphalt, trace wood,	20	15	10	10	20	15	-	#	#	_
	S1 5' - 8'		<u> </u>	<u> </u>	 			${f H}$	\vdash	\vdash	┝	\dashv	\dashv	\dashv	+	\dashv	
	J - U		†	<u> </u>	<u> </u>							. 🛨	\exists	1	1	士	\exists
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-	 	 	 	12 "	+			\vdash	\vdash	$-\dagger$	\vdash	\dashv	+	+	+	+	-
			<u> </u>	iron								〓	1	1	1	コ	\exists
	 		10.5	pipe	 			igdash	\vdash	\vdash	┝	\dashv	\dashv	\dashv	+	\dashv	
	S2	0.8	10.5	SM	Brown to tan si	silty SAND, trace glass, small wood fragments, no ode	lor, moist, with		5	5	10	50	30	1	1	=	-
	11' - 14'					ontinuous layer of black CLM and CINDERS from ~						耳	\exists	4	#	4	
— 12 —	 	 	12.5	 				\vdash	\vdash	$-\dagger$	\vdash	\dashv	+	+	+	+	
		<u> </u>		!	concrete							二	耳	#	#	#	\equiv
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	l	<u> </u>	14.5	<u> </u>	<u> </u>	·						I	\exists	士	士	士	_
	S3			! — — — —		Light brown to olive-brown to black fine sandy S		Þ		\equiv	-	35	65	4	4	4	لة
4.0	15' - 17'	-	 	 		seams. Groundwater seepage ~ 16.5 to 19.0 ft,p like odor, sheen, trace brown OLM (PID=100.8		\vdash	\vdash		H	+	+	+	+	+	_
— 16 —		<u> </u>					24"					二	\Box	4	#	1	
					Not Excavated		RCP					\equiv	\exists	\pm	\pm	\pm	_
		-	 	-				₩	\vdash	\Box	\vdash	\dashv	+	+	+	+	_
			19.0			\						二	耳	1	#	1	
_	 	-		 	 	Similar to above, except / black, partially saturated /		⊣	\vdash	\vdash	\vdash	\dashv	\dashv	+	+	+	
_ 20 _	l			<u> </u>		with black TLM, strong / Sin	milar to above, except					士	\exists	\exists	\pm	\exists	
	<u> </u>		<u> </u>		<u> </u>		ack, partially saturated	\square	\blacksquare	\vdash	\Box	\exists	4	4	4	4	_
ŀ	 	 	22.0	 	 		th black TLM, strong phthalene-like odor,	\vdash			\vdash	+	+	+	+	+	
Ī						we	et sheen (PID=233.8)	Ш				\blacksquare	\Box	1	1	コ	_
	 	 	 	 	Tan SILT, har probable	ard, dry,		\vdash	\vdash	Н	\vdash	\dashv	+	+	+	+	
_ 24 _				<u> </u>	decomposed re							士	士	士	士	コ	
	<u> </u>	<u> </u>	24.5 25.0	<u> </u>	<u> </u>	-WEATHERED BEDROCK-		Ш	-	\vdash	$\overline{\square}$		\dashv	_	4	4	_
		 	23.0	 	 	Bottom of excavation at 25.0 ft	<u> </u>	\vdash	\vdash			\dashv	+	+	+	+	_
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_ 28 _	-	<u> </u>	<u> </u>	<u> </u>	<u> </u>			Ш	\vdash	\vdash	\vdash	$\dot{+}$	$\overline{+}$	\dashv	$\overline{+}$	\dashv	_
Obstruction	ons:		Remarks:				F	ield	Test	s			_			_	_
						Dilatano					w N-	- None	е			_	_
						Toughne						l - Hig					
			Bucket Dr	contamin	ation Method:	Plasticity Dry Stre									ny Hic	-h	
			Buoket 23	Containi	ation motion.	Boulders:	ingui	_Uv.	IVI	ilou.c.	111		<u> </u>		y :		_
: Lamala		nding wate	er in comple		*.		ox. vol. (cu. ft.)	_	Гest	Pit	Dime	ensi		(ft.):		- 0	
at depth measure				9.0 0.5	_ft. hrs. elapsed	12 to 24 <u>5</u> =	2.5 Pit Dep		χ \//i	idth		-			to 25		_

NOTE: Soil identifications based on visual/manual methods of the USCS system as practiced by Haley & Aldrich, Inc.

Test Pit No. **DRAFT** HALEY& **TP-10-35 ENVIRONMENTAL TEST PIT LOG** ALDRICH PROJECT H&A FILE NO. East Station Former MGP Site 36492-006 LOCATION Rochester, New York PROJECT MGR. Doug Allen CLIENT Rochester Gas & Electric Corporation FIELD REP S. Poff / M. Kozlowski CONTRACTOR Sevenson Environmental Services, Inc. DATE 7-Jan-2011 EQUIPMENT WEATHER Track-mounted Komatsu PC400LC Excavator Mostly Sunny, 20s°F Groundwater depths/entry rates (in./min.): Ground El. Range from 412.0 to 412.6 Location See Plan Fl. Datum NYS Barge Canal ~0.2 in /min Visual Identification Gravel Field Test Stratum PID Depth Sample Change USCS (Color, GROUP NAME & SYMBOL, % oversized, maximum Reading ID Depth Symbol (ft.) (ppm.) particle size, structure, odor, moisture, optional descriptions, (ft.) geologic interpretation) -TOPSOIL-SM Brown silty SAND with gravel, 5% total concrete brick and asphalt, trace metal (chain link 10 10 15 10 0.5 fence, pipe), no odor, moist, trace groundwater seepage at ~5.7 ft 4 0.3 8 0.2 Note: Bucket refusal at 11.6 ft on concrete slab 11.6 Bottom of excavation at 11.6 ft 12 16 20

NOTE: Soil identifications based on visual/manual methods of the USCS system as practiced by Haley & Aldrich, Inc

Boulders:

11.6

25.0 x 10.0

24

Pro Clie Cor	ent		ester (Gas &	Electri		Roches	ster, New York	DRAF		Sh	e N eet	No	. 1 26	Jan	1 uar	y 20		
				Casing	Sam	nler l	Barrel	Drilling Equipmer	nt and Procedures			nish					y 20		
Тур			+	asiriy	Macro	•	-	Rig Make & Model: Geo			1	iller &A F	Rep		J. S		weit F	zer	
•		meter (in \	-	1.		-	Bit Type: MC Cutting S			_		tion			8.8			
		Veight	`	_	1.	.	_	Drill Mud: - Casing: -			_	tun						ge (Canal
		-all (in.		_	_		_	Hoist/Hammer:	- 1		LU	Cal	ion	30	ee F	ran	l		
_				€	<u> </u>			PID Make & Model: RA			Gra	avel		Sano	d		Fi	eld	Test
h (ft)	r Blo	e N	ple h (ft)	tum nge	Symbol		VISU	AL-MANUAL IDENTIFICATIO			se		se	ınm		s	. 1	S	
Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Fley/Denth (#)	uscs 8			(Color, GROUP NAME, ma structure, odor, moisture, opt GEOLOGIC INTERPR	tional descriptions		% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity
0 -		G1	0.0	398.6 0.2				-TOPSOIL-			5	10	20	15	25	15	-	-	=
		35	4.0	0.2				dark gray-brown silty SAND trace roots, no odor, dry	with gravel, 5% brick, 59	6									
								, , , , , , , , , , , , , , , , , , ,	PID = 0	.0 ppm									
		G2	4.0																
5 -		30	8.0	393.3															
				5.5	SM	Yellow	v-brown	to light brown silty SAND, no	o odor, moist $PID = 0$.0 ppm	-	5	5	10	65	15	-	-	- -
		G3	8.0																
		22	12.0	200 0															
10 –				388.8 10.0				e, except gray-brown, wood to no odor, wet	fragments from approxima $PID = 0$										
				387.3 11.5	SM	Gray h	rour cil	ty SAND, no odor, wet		/	-	-	-	10	60	30	N	L	L -
		G4 31	12.0 15.8		SM	Similar		below 11.5 ft), except gray-b	PID = 0 rown to orange-brown, no										
							Refusal a	ut 15.8 ft											
15 –				202.0				-ALLUVIAL DEP	OSITS-										
				383.0 15.8				-Bottom of exploration											+
						S1=2.	onmental 0 to 4.0 5 to 11.5												
		Wa		vel Da		h (ft) to		Sample ID	Well Diagram Riser Pipe				Sum		ry				_
	ate	Time	Elap Time	/hr \ B	ottom Casing	h (ft) to Bottom of Hole	Water	O - Open End Rod T - Thin Wall Tube U - Undisturbed Sample	Screen Filter Sand Cuttings	Over	Со	red	•			15.8	3		
1/2	6/11	-			-	-	10.0 ±	S - Splitspoon Sample G - Geoprobe	Grout Concrete Bentonite Seal	Sam _l Bori	ng	No			T	4G G-1	0-0)1C	<u> </u>
				Dilatan					city: N - Nonplastic L - Lo		_	_			_				

ŀ	IAL LD	EY&	E H				GEO	PROBE REPOR	DRAF	T		Во	rin	g N	10.	T	' G -1	10-	02	C
Clie		Rocl	hester		Electric			ster, New York	-		Sh	e N neet art	No). 1 26		1 uar)7 y 20 y 20			
			(Casing	Sam	pler	Barrel	Drilling Equipmer	nt and Procedures			iller		20			y 20 weit			
Тур	е			-	Macro	Core	-	Rig Make & Model: Geo			Н	&A I	Rep).	S.	Pof	f			
Insid	de Dia	meter	(in.)	_	1.7	75	_	Bit Type: MC Cutting S Drill Mud: -	Shoe			eva atun	tion	1		3.5	Bar	~~ !	Cor	1
Han	nmer \	Veight	(lb)	-	_	.	-	Casing: -			-		ion	S	ee I			ge	Cai	.ai
Han		all (in	.)	-	-		-	Hoist/Hammer: PID Make & Model: RA	E MiniRAE 3000											
_	swo.	ر. ر. ر. ر.		£	Q		VISU	JAL-MANUAL IDENTIFICATIO			_	avel	_	San	d				Tes	st
Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (USCS Symbol			(Color, GROUP NAME, ma structure, odor, moisture, opt GEOLOGIC INTERPR	tional descriptions		% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
- 0 -		G1 36	0.0 4.0	403.2 0.3	SP	Ligh	t gray-brov	-BITUMINOUS CON wn poorly-graded SAND with		.0 ppm	-	15	30	35	15	5	-	-	-	-
-				401.1 2.4 400.7 2.8	SM ML/ CL	1		to orange to olive-brown sand	PID = 0				10	15 - -	60 40 20		TS 1	L L	N L-M	 [-
- - 5 - -		G2 39	4.0 8.0		SC	sand Yelle	, no odor,	moist to brown clayey SAND, trace	PID = 0	.0 ppm	-	10	15	20	25	30	-	-	-	-
-		G3 41	8.0 12.0	395.5 8.0	SP- SM	Orar no sl		-FILL- to light brown poorly-graded	SAND with silt, no odor,	wet,	-	-	-	5	85	10	-	-	-	-
- - 10 – -	-			393.5 10.0	_ML	1	_	to gray-brown SILT with sand odor, wet, no sheen	$\begin{aligned} \text{PID} &= 0 \\ \hline \text{d, occasional seams of grave} \\ \\ \text{PID} &= 0 \end{aligned}$	y — — —			 - 		20	80				
				391.9 11.6	SM	Orar	nge-brown	to olive-brown silty SAND w	ith gravel, no odor, wet, n	io	5	20	20	20	20	15	-			
-		G4 36	12.0 15.9		SM	Simi		(below 11.6 ft), except occasion	PID = 0	.0 ppm										
- 15 -	-			388.3 15.2 387.6	GC	Yello	ow-brown	-ALLUVIAL DEP			40	10	5	5	5	25	-	-	-	-
				15.9		Note	e: Refusal a	at 15.9 ft		1										
								-WEATHERED BE												
						1	fronmental 6.0 to 8.0	Samples Collected: ft												
		W	ater Le	evel Data	a	<u>'</u>		Sample ID	Well Diagram				Sum	ma	ry					=
	ate	Time			ottom	h (ft) Bottom of Hole	Water	O - Open End Rod T - Thin Wall Tube U - Undisturbed Sample	Riser Pipe Screen Filter Sand Cuttings	Over Rock	Co	red	`	,		15.9				
1/2	26/11	-		-	-	-	8.0 ±	S - Splitspoon Sample G - Geoprobe	Cuttings Grout Concrete Bentonite Seal	Sam			o.			4G G-1	10-()2(C	
Field	d Tests	:	'				S - Slow M - Mediui		city: N - Nonplastic L - Lot trength: N - None L - Low							Ven	/ Hia	h		_
*No	te: Ma	ximum	particle	e size is d	determi	ined by	v direct ob	servation within the limitatio sual-manual methods of t	ns of sampler size.											
		NO	<i>ο</i> ιθ: 5	on iden	uncati	טוו ממ	seu on Vi	<u>suai-manuai methods of t</u>	ile ooco as practiced i	uy ⊓aie	y Č	AIC	ai iC	u, If	ıC.	—				_

Project East Seation Former MGP Site; Rochester, New York State Seat	A	LD LD	EY& RICI	H				GEO	PROBE REPOR	DRAF			Зоі	rin	g N	lo.	T	G- 1	L O- (04	C
Casing Sampler Barrel Dilling Equipment and Procedures Dilling D	Clier	nt	Roch	este	r Gas &	Electric		; Roches				Sh Sta	eet art	No	. 1 19	of Jan	1 uary	y 2 0			
Type					Casing	Sam	pler	Barrel	Drilling Equipment	t and Procedures							-				
Delimenter (iii) Delimenter	Туре)			_	Macro	Core	-	_ =			Н8	ΑF	Rep							
Schester Schester		ar																			
Pinch Pinc	Ham	mer V	Veight	(lb)	-	-		-	Casing: -				_		Se				ge (Jai.	-
10			Fall (in.)	-	-		-		E MiniRAE 3000											
10	£	lows	No.	υÉ	£ 60 €	loqu		VISU	AL-MANUAL IDENTIFICATION	N AND DESCRIPTION					_	t				Tes	٠t
10	bth (oler Bl	ple l ec. (i	ample oth (ratun	S Syn			(Color, GROUP NAME, max	c. particle size*,		oarse	e	oarse	edium	Je	səu	ancy	hnes	licity	
10	De	samp pe	Sarr & R	တ္တင္	3 3	JSC			GEOLOGIC INTERPRI	onal descriptions ETATION)		% Cc	Fil	ა ა	W W	% Fir	% Fir	Dilata	Long	Plast	
404-1	0	0)	G1	0.0	_	:															=
10			36	4.0	404.1		Brov	wn silty SA	ND with gravel, trace brick, n		.0 ppm/	20	20	10	10	25	15 – –	-	-		_
Project Cilent Rochester Gas			_																		
Section Sect					402.8		M				.0 ppm/ ,	<u> </u>	-+			\vdash †	_	-†	-+		_
Black CLM G0%) and WOOD CHIPS (40%) with sandy sitt (30%). aphthalcne-like odor, moist PID = 13.1 ppm 10 Ts 5 To 25 35							Brov	wn silty SA	ND with gravel, trace brick, n		.0 ppm/										
Gray to light brown clayey SAND with gravel, slight odor, moist PID = 5.4 ppm FILL	5 -									with sandy silt (30%),											
10					5.5	SC	Gray	to light b	rown clayey SAND with grave	el, slight odor, moist		10	15	5	10	25	35	-	-	-	ĺ
10					397.3				-FILL-												
Project Client Rochester (as & Electric Corporation Sheet No. 1 of 1 Shart 19 January 2011																					
Project																					
Note: Refusal at 18.3 ft	15 -		G5	16.0	0	SM				PID = 0	.2 ppm										
Sample Depth (ft) to: Date Time Elapsed Time (hr.) Bottom of Casing Of Casing						MI	Ton	alarrary CII					_	_			100			_	_
Note: Refusal at 18.3 ft	-						1		. wini occasionai gray stanicu	,								\dashv	-		_
Environmental Samples Collected: \$1 = 2.5 to 5.5 ft \$2 = 5.5 to 8.0 ft Water Level Data Sample ID Well Diagram Summary Date Time Elapsed Time (hr.) Bottom of Casing of Hole 1/19/11 8.0 ± Sizeron Of Gasing Of Hole U - Undisturbed Sample S - Splitspoon Sample G - Geoprobe Well Diagram Riser Pipe Screen Sizeron Filter Sand Cuttings Grout Concrete Bentonite Seal Boring No. TG-10-04C Boring No. TG-10-04C							Note	e: Refusal a	-COMPLETELY WEATHER	ED BEDROCK-	. / ppm										
Date Time Elapsed Depth (ft) to: O - Open End Rod Time (hr.) Bottom Bottom of Hole U - Undisturbed Sample G - Geoprobe Screen Screen Filter Sand Cuttings Grout Samples Concrete Bentonite Seal Boring No. TG-10-04C TG-10-0							S1=	2.5 to 5.5	Samples Collected:	w 10.5 it											
Date Time Elapsed Depth (ft) to: O - Open End Rod Time (hr.) Bottom Bottom of Hole U - Undisturbed Sample G - Geoprobe Screen Screen Filter Sand Cuttings Grout Samples Concrete Bentonite Seal Boring No. TG-10-04C TG-10-0	L		Wa	ter I	 _evel Da	ta			Sample ID	Well Diagram		l	 .S	նյլ	ma	rv					=
Time (hr.) Bottom of Casing of Hole Water T - Thin Wall Tube U - Undisturbed Sample S - Splitspoon Sample G - Geoprobe S - Splitspoon Sample G - Geoprobe S - Splitspoon Sample S -	Da	ate		Ela	psed	Deptl			O - Open End Rod	Riser Pipe	Overl	burd					8.3	,			_
1/19/11 8.0 ± S - Splitspoon Sample G - Geoprobe Sample G - Geoprobe Sample Sample Sample Sample Sample Sample Sorout Concrete Bentonite Seal Soring No. TG-10-04C Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High			111111111111111111111111111111111111111	Tim						Filter Sand	Rock	Со	red	٠,		•	-				
Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High	1/19	9/11	-		-	-	-	8.0 ±	S - Splitspoon Sample	Grout Concrete).				0-0	4 C	7	_
		Toete	<u>.</u>		Dilatar	ncy: R-	Rapid	S - Slow	N - None Plastic		w M-N		ım	H - I		1					-

Clie		Roch	ester	n Forme Gas & I Drilling	Electric			ster, New York			Sh Sta		No	. 1 19	Jan	2 uary)7 y 20 y 20			
			(Casing	Sam	pler l	Barrel	Drilling Equipmen	nt and Procedures		ı	iller				_	weit			
Тур	е			-	Macro	Core	-	Rig Make & Model: Geo	-		Н8	kA F	Rep		S.	Pof	f			
Insid	de Dia	meter (in.)	-	1.7	' 5	_	Bit Type: MC Cutting S Drill Mud: -	Shoe			eva tun	tion			6.2	Barg	70 (Car	101
Han	nmer V	Veight	(lb)	-	-		-	Casing: -			-	cat		S	ee I			gc (Jan	a
Han	nmer F	all (in.)	-	-		-	Hoist/Hammer: PID Make & Model: RA	F MiniRAF 3000											
$\overline{}$	SMC	ō (÷		(#	2		VISU	IAL-MANUAL IDENTIFICATIO			Gra	avel	5	Sano	t				Tes	st
Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	Symbol			(Color, GROUP NAME, ma			ırse	4	Coarse	Medium	4	S	ς	Toughness	Ę	÷
)epi	mple	Rec	Sar	Stra	nscs			structure, odor, moisture, opt	ional descriptions		% Coarse	Fine	Coa	Мес	% Fine	% Fines	Dilatancy	ugh	Plasticity	Ctronoth
<u> </u>	Sa	ഗ്∝			S)			GEOLOGIC INTERPR			%	%	%	%	%	%	۵	۲	₫	ΰ
		G1 34	0.0 4.0	405.9 0.3	SM	Brown	silty SA	-TOPSOIL-			10	20	10	15	25	20	-	-	-	<u> </u>
			1.0				,	g-u,,,,,	PID = 0	0.0 ppm										
				404.2															L -	L
				2.0	SM		to yello o odor,	w-brown silty SAND with grady	ivel, 10% brick, trace CL	М,	10	10	10	10	20	30	-	-	-	-
									PID = 0	0.0 ppm										
		G2 30	4.0 8.0																	
5 -																				
				400.2																
				400.2 6.0	SM	Brown	to light	brown silty SAND with grave	$\overline{\text{el}}$, $\overline{5\%}$ concrete, no odor, PID = 0		15	15	10	10	25	20		-	-	Γ
										, i ppin										
					a	a														
		G3 15	8.0 12.0		SM	Similai	r to abov	e (poor recovery)												
10-																				
				394.2	L						<u> </u>						_		L -	L
		G4 20	12.0 16.0	12.0				lack CLM with sand, 5% glass odor, occasional spotty sheen.		0 ft	5	10	10	10	10	10	-	-	- 	-
									PID = 7	.5 ppm										
15 -																				
		10/-	41-	al Dat				-FILL-	Mall Diagram											L
	oto		Elap		Deptl	n (ft) to	:	Sample ID O - Open End Rod	Well Diagram Riser Pipe	Over	hur		Sum ff)			21.1			_	_
<u>ں</u>	ate	Time	Time	(hr Bo		Bottom of Hole	Water	T - Thin Wall Tube U - Undisturbed Sample	Screen Filter Sand	Rock			` '	,	4	-1.1				
1/1	9/11	-	-	. -	-	-	$14.0~\pm$	S - Splitspoon Sample	Cuttings Grout	Samp	oles	;				5G				
								G - Geoprobe	Concrete Bentonite Seal	Bori	ng	No	Э.		T	G-1	0-0	60	3	
	d Tests	_		Dilatan				i		ow M-N										_

ŀ		EY&	æ H			GEOPROBE REPORT DRAFT	F	Bori ile l Shee	No.	3	649	2-00)7	.0-0	6C	
£)	lows	No. in.)	e (⊋	(ff)	loqu	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION		avel		San				ield	Tes	it
Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	(Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
-		G5 38	16.0 20.0			Similar to G4										
_				388.2 18.0	CD	-FILL-			_	25	60	10				
				18.0	SP- SM	Black to gray poorly-graded SAND with silt, no odor, wet Note: Refusal at 21.1 ft	-	-	3	23	00	10	-	-	-	-
- 20 -		<u> </u>	20.0													
		G6 12	20.0 21.1	385.1 21.1		-ALLUVIAL DEPOSITS-										
				21.1		-Bottom of exploration at 21.1 ft Environmental Samples Collected: S1=12.0 to 14.0 ft S2=18.0 to 21.0 ft										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

TG-10-06C

Boring No.

18 Mar 11

H&A-GEOPROBE-07-1 HAR HA-LIB07-R1.GLB HA-TB+CORE+WELL-07-1.GDT G:\36492\007\2011-0201\36492-007 PROBES.GPJ

Pro	ject	East	Stati	on Form	er MG			PROBE REPOR			Fil	e N	0.	36	492	2-00)7	_		_
Clie	nt	Roch	neste		Electric	Corpora					Sta	art		19	Jan	uar	y 20			
				Casing	Samp	oler Ba	arrel	Drilling Equipmen	t and Procedures			nish iller					y 20 weit			
Туре	е			-	Macro	Core	-	Rig Make & Model: Georg	probe 6610DT		Н8	kA F	₹ер		S.					
Insid	le Dia	meter	(in.)	_	1.7	5	_	Bit Type: MC Cutting SI Drill Mud: -	hoe		ı	eva itun	tion			3.1	Bar	~~ 1	Cor	
Ham	nmer V	Veight	(lb)	-	-		-	Casing: -					ion	S	ee I			30 (Cai	
		all (in	.)	-	-		-	Hoist/Hammer: PID Make & Model: RAI	E MiniRAE 3000											
Œ(lows 1.	No. in.)	e€	e (#)	Symbol		VISUA	AL-MANUAL IDENTIFICATION	N AND DESCRIPTION		-	vel		Sand	t l		F		Те	
Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample	Stratum Change Flev/Denth (#)	USCS Syr		:	(Color, GROUP NAME, max structure, odor, moisture, opti GEOLOGIC INTERPR	onal descriptions		% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	
0 -	0)	G1	0.0	_	_			-TOPSOIL-										$\dot{=}$		
		36	4.0		SM	Dark bro	own to g	gray-brown silty SAND with g	gravel, 10% brick, no od PID = 0		10	10	15	15	25	15	-	-	-	
5 -		G2 31	4.0 8.0	I	SM			ND with gravel, no odor, moi below 3.5 ft)	ist — — — — — — — — — — — — — — — — — — —		10	15	10	15	30	20				
		G3 30	8.0 12.0	I		Similar t	to G2													
10-				403.1 10.0	ML	Black to wet	gray sa	ndy SILT, 5% CLM, slight p	petroleum/naphthalene-lik		5	5	5	10	35	35	-		-	
				401.6 11.5	SC -	Prown c	lavov C	AND with gravel, slight odor			10	10	10	10	30	30			L.	
		G4	12.0	2		Brown C	layey 5		PID = 0).9 ppm	10	10	10	10	30	30				
		33	16.0	400.6	SM	Yellow-b	brown to	-FILL- o brown silty SAND, no odor	, wet		-	-	-	1	60	40	-	-	-	
15 -																				
								-ALLUVIAL DEPO	OSITS-											
				_evel Da		n (ft) to:		Sample ID	Well Diagram Riser Pipe				Sum					_	_	
Da	ate	Time		e (hr \ B	ottom	Rottom	Vater	O - Open End Rod T - Thin Wall Tube	Screen Filter Sand	Over Rock			•]	19.3	3			
1/1	9/11	-		-	-		0.0 ±	U - Undisturbed Sample S - Splitspoon Sample	Cuttings	Sam						- 5G				
								G - Geoprobe	Grout Concrete	Bori	na	N	`		Т	G-1	10-0)8(C	
									Bentonite Seal	DOII	ı ıy	140	<i>)</i> .							

Boring No. **HALEY** GEOPROBE REPORT File No. 36492-007 Sheet No. 2 of 2 Stratum Change Elev/Depth (ft) Sampler Blows per 6 in. Gravel Sand Field Test Sample No. & Rec. (in.) JSCS Symbol VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION Sample Depth (ft) Toughness % Medium Coarse % Coarse Plasticity Dilatancy Strength % Fines (Color, GROUP NAME, max. particle size*, % Fine % Fine structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) % Similar to G4 (below 12.5 ft) G5 16.0 SM 19.3 -ALLUVIAL DEPOSITS-395.1 18.0 ML Light brown sandy SILT (decomposed rock), no odor, wet to approximately 5 5 - 30 60 18.5 ft, dry 18.5 to 19.3 ft 393.8 19.3 Note: Refusal at 19.3 ft -WEATHERED BEDROCK--Bottom of exploration at 19.3 ft Environmental Samples Collected: S1 = 0.5 to 3.5 ft S2 = 10.0 to 11.5 ft TG-10-08C Boring No.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

18 Mar 1

G:\36492\007\2011-0201 36492-007 PROBES.GPJ

HA-TB+CORE+WELL-07-1.GDT

H&A-GEOPROBE-07-1 HAR HA-LIB07-R1.GLB

TG-10-08C

		RICI					OPROBE REPOR	UKM		_				5404	2 04	07			_
Proj Clie						P Site; Rocl c Corporation	nester, New York				le N neet		36 D. 1	5492 Lof		07			
Con	tracto	r Noth	nagle	Drilling	g, Inc.	•					art					y 20			
				Casing	Sam	pler Barre	Drilling Equipme	nt and Procedures			nish iller		21			y 2 wei			
Гуре	<u> </u>				Macro	Core -	Rig Make & Model: Geo	oprobe 6610DT			с. &А Г).		Pot		(ZCI		
		meter ((in)		1.7		Bit Type: MC Cutting			El	eva	tior	1		4.1				
		Veight	`	_	1.,	-	Drill Mud: - Casing: -				atun					Bar	ge	Ca	1
		Fall (in.	` '			_	Hoist/Hammer:			LC	ocat	ЮП	3	ee l	Piai	1			
					1 0	l T	PID Make & Model: RA	AE MiniRAE 3000		Gr	avel		San	Ч			ield	LTC	
Œ	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	Symbol	VI	SUAL-MANUAL IDENTIFICATION	ON AND DESCRIPTION			т —		1						
Depth (ft)	pler er 6	nple ec.	ame	tratu Shan	S S		(Color, GROUP NAME, ma structure, odor, moisture, op			Coarse	Fine	Coarse	% Medium	Fine	% Fines	Dilatancy	Toughness	Plasticity	
۵	Sam	Sar & F	လ မိ		nscs		GEOLOGIC INTERPI			%	% F	%	≥ %	% F	% F	Dila	Tou	Plas	
0 -	-	G1	0.0	413.6 0.5			-TOPSOIL	-			Ħ								
		25	4.0	0.5	SM	Orange-brow	vn to brown silty SAND with gr	ravel, trace brick, coal part	icles,	10	10	15	10	20	25	-	-	-	
						no odor, mo	131	PID = 0	.2 ppm										
-		G2	4.0	_	SM	Similar to G	1												
5 -		40	8.0					PID = 0	.2 ppm										
ł		G3	8.0	-	SM	Similar to G	2												
		25	12.0					PID = 0	.1 ppm										
10 -				404.1	- CT- 4		vn to brown silty SAND with gr	iovol trace with a second	iola-	10	10	٠,٠	10	20		<u> </u>	L.	L.	_
				10.0	SM	wood fragm	ents, slight weathered petroleum			10	10	13	10	20	25	-	-	-	
						approximate	ly 11.0 ft, no sheen	PID = 8	.6 nnm										
ŀ		G4	12.0	-	SM	Similar to G	3 (below 10.0 ft)	110 - (- PP										
		21	16.0	401.1 13.0	SM	Brown silty	SAND with gravel, approximate	ely 50 % BRICK and		-	+-	 	+-	 	+-	+-	-	+	_
							E rubble fill, slight weathered pe		odor,										
15 –						wet, no snee	11	PID = 6	.7 ppm										
13-																			
ŀ		G5	16.0	397.4	SM	1	4 (below 13.0 ft)												
}		12	17.0	16.7 397.1	SM		pove, except black (stained), slig	ght sheen, weathered		F	F		F		F	F		F	-
				17.0		\ _	•	PID = 197	.3 ppm										
						Note: Refus	al at 17.0 ft												
							-FILL-	. 17.0 °											
							-Bottom of exploratio	n at 17.0 ft											
						1	tal Samples Collected:												
						S1=4.0 to 7 S2=9.0 to 1													
		Wa		vel Dat		1 760 1	Sample ID	Well Diagram			ξ	Sum	nma	ıry					-
Da	ate	Time	Elap Time	D	Dept ottom	h (ft) to:	O - Open End Rod T - Thin Wall Tube	Riser Pipe Screen	Over			`	,		17				
			iiiie			of Hole VVal	U - Undisturbed Sample	Filter Sand	Rock			l (ft	()		-				
1/2	1/11	-	-		-	- 11.0	± S - Splitspoon Sample G - Geoprobe	Grout	Sam					,,,,	5G		000	~	_
							2 300p.000	Concrete Bentonite Seal	Bori	ng	No	Э.		T	G-í	10-	U9(Ľ	
	Tests		-	Dilatan	cv. R -	Rapid S - Slov	v N None Plast	icity: N - Nonplastic L - Lo	NA/ M - N	امطا	ıım	Н.	Hial	h					-

Project Client Contra	t East	nester	Gas & I	Electri	c Cor		ster, New York	DRAF				No.	. 1 21 .	of Janu	uary)7 y 20 y 20			_
		(Casing	Sam	pler	Barrel		nt and Procedures		Dri						weit	zer		
ype			-	Macro	Core	-	Rig Make & Model: Geo Bit Type: MC Cutting	=			AR	•			Pof				-
	Diameter	` ′	-	1.3	75	-	Drill Mud: -	Shoc		Da	evati tum			NY		Barg	ge (Can	1
	er Weight		-	-	-	-	Casing: - Hoist/Hammer:			Lo	catio	on	Se	ee P	Plan	Į.			
	er Fall (in	.)	-	-		-	PID Make & Model: RA	AE MiniRAE 3000		Gra	vol		<u></u>						-
£ №	in. e No (in.)	æ (#)	Jan Jan Jan Jan Jan Jan Jan Jan Jan Jan	Symbol		VISU	JAL-MANUAL IDENTIFICATION	ON AND DESCRIPTION			_		Sand E				ield		Ī
Depth (ft) Sampler Blov	per 6 in. Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	S SOSO			(Color, GROUP NAME, ma structure, odor, moisture, op GEOLOGIC INTERPI	tional descriptions		% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	
0	G1	0.0	415.6 0.5	_			-TOPSOIL												
	32	4.0	0.5	SM	Bro	wn silty SA	AND with gravel, trace brick,	asphalt, no odor, moist PID = ().3 ppm	10	15	10	15	30	20	-	-	-	
			412.1				-FILL-												
			412.1 4.0				-Bottom of exploration	on at 4.0 ft			1		\dashv	\exists			\dashv		l
Date		ater Le Elap Time	(hr \ B		ih (ft) Bottor of Hole	n Water	Sample ID O - Open End Rod T - Thin Wall Tube U - Undisturbed Sample S - Splitspoon Sample G - Geoprobe	Well Diagram Riser Pipe Screen Filter Sand Cuttings Grout Concrete	Overt Rock Samp	Coo	den red	(ft)			4 - 1G		150		
			J	1				I I", a 1 (Concrete	P ~	~~	$\mathbf{v}_{\mathbf{i}} \sim$								
						S - Slow	·	Concrete Bentonite Seal	Borii						<u></u>		_		_

ALD	EY& RIC	H			GEO	PROBE REPOR	'DRAI					9				,	8C
Project Client Contract	Roc	hester	Gas & I	Electric		ster, New York	-		Sh Sta	art	No	. 1 20	of Janu	ıary	201		
			Casing	Samp	oler Barrel	Drilling Equipmen	t and Procedures			iish Iler				-	201 eitz		
Туре			-	Macro	Core -	Rig Make & Model: Geo			Н8	kA F	⋜ер			Poff			
Inside Dia	ameter	(in.)	-	1.7	5 -	Bit Type: MC Cutting S Drill Mud: -	hoe		ı	eva itun	tion			3.4 'S F	arge	· Ca	nal
Hammer	Weight	(lb)	-	-	-	Casing: - Hoist/Hammer:			_		ion	Se	ee P		urge	. Ca	iiai
Hammer		1.)	-	-	-	PID Make & Model: RA	E MiniRAE 3000										
(ft) Slows n.	S (ii)	e (±)	E 9E E	Symbol	VISU	IAL-MANUAL IDENTIFICATIO	N AND DESCRIPTION		Gra	ivel		Sand	t	-		ld Te	
Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (USCS Sy		(Color, GROUP NAME, ma structure, odor, moisture, opt GEOLOGIC INTERPR	ional descriptions		% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Plasticity	Strength
0	G1	0.0		SM	Gray-brown sil	ty SAND with gravel, no odo	r, moist		15	20	15	10	-	20		-	+
	26	4.0	417.8 0.6	SM	Brown silty SA 3.5 ft (perched	ND with gravel, 10% brick,	no odor, wet at approxima	tely	10	10	15	15	20	20	- -		†-
					3.5 it (pereneu	water	PID = 0	.0 ppm									
	G2 30	4.0 8.0	413.9 4.5	SM	Similar to G1 (below 0.6 ft) orange-brown to brown silty	SAND with gravel, slight		5	15	10	15	30	25		<u> </u>	+-
5 -					petroleum-like	odor with naphthalene-like un	dertones, moist, no sheen PID = 1	.8 ppm									
			411.4 7.0	SM		e, except black-stained, sheen		 tum,				_	-	-	- +	+	<u>_</u> .
	G3 38	8.0 12.0	409.4			-FILL-	PID = 71	.0 ppm									
10 -			409.4	SP- SM	Dark gray to b odor, with napl	lack poorly-graded SAND with thalene-like undertones, wet,	h silt, strong petroleum-lik rainbow sheens throughou PID = 267	ıt	-	1	-	5	85	10		-	-
	G4 36	12.0 16.0	_		Similar to G3 (below 9.0 ft)											
			404.9 13.5	SM	Black silty SAN (similar to above	ND with gravel, stained, sheer ve)	ns throughout, strong odor $PID = 190$.7 ppm	10	15	15	15	30	15		.+_	
15 -						-ALLUVIAL DEP	OSITS-										
	W		evel Data		ı (ft) to:	Sample ID	Well Diagram Riser Pipe				Sum						
Date	Time	Time		ottom I	Bottom Water	O - Open End Rod T - Thin Wall Tube U - Undisturbed Sample	Screen Filter Sand Cuttings	Over	Со	red	•			22 -			
1/20/11	-			-	- 7.0 ±	S - Splitspoon Sample G - Geoprobe	Grout Concrete Bentonite Seal	Sam) .			6G 1 (0-18	BC	
Field Test	s:				Rapid S - Slow		city: N - Nonplastic L - Lor rength: N - None L - Low							/on/ l	High		
			rougrin	1 6 33. L -	Low M - Mediu		ICHARIE IN TINUIC L-LOW	IVI - IVIE	uiUII	. [7]	ni	yıı_	v - \	CI y l	ngH		

HALEY& GEOPROBE REPORT File No. 36492-007 Sheet No. 2 of 2 Stratum Change Elev/Depth (ft) Sampler Blows per 6 in. Gravel Sand Field Test Sample No. & Rec. (in.) JSCS Symbol VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION Sample Depth (ft) Toughness % Medium % Coarse % Coarse Plasticity Dilatancy Strength % Fines (Color, GROUP NAME, max. particle size*, % Fine % Fine structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) Similar to G4 (below 13.5 ft) 16.0 20.0 -ALLUVIAL DEPOSITS-SM Black silty SAND with gravel, moderate petroleum-like odor with TLO 20 15 10 10 20 25 undertones, moist, subangular to subrounded gravel, trace black TLM blebs PID = 30.4 ppm-20 G6 20.0 16 22.0 -GLACIAL TILL-397.4 21.0 ML Black to yellow-brown sandy SILT (decomposed rock), slight odor, dry, no - 25 65 sheens 396.4 22.0 PID = 47.7 ppm-WEATHERED BEDROCK--Bottom of exploration at 22.0 ft Environmental Samples Collected: S1 = 4.5 to 7.0 ft S2 = 9.0 to 12.0 ft TG-10-18C **Boring No.** NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

18 Mar 1

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HA-TB+CORE+WELL-07-1.GDT

H&A-GEOPROBE-07-1 HAR HA-LIB07-R1.GLB

TG-10-18C

Pro		East	Stati				e; Roches	PROBE REPOR	Die		ı	e N				2-00)7			_
Clie				Gas & Drillir			rporation				1	ieet art	Nc). 1 25			y 20)11	l	
	iti doto	11001	Imgr		Ī.						Fir	nish					y 20			
				Casing	San	npler	Barrel	Drilling Equipmen			1	iller					wei	tzei	r	
Тур	Э			-	Macr	oCore	-	Rig Make & Model: Geo Bit Type: MC Cutting S			_		Rep			Pof				_
Insid	le Dia	meter ((in.)	-	1.	75	-	Drill Mud: -	noc		l .	eva atun	tior n	1		5.0 YS	Bar	ge	Ca	n
Ham	ımer V	Veight	(lb)	-		-	-	Casing: - Hoist/Hammer:			Lo	cat	ion	S		Plan				
Han		Fall (in.	.)	-		-	-	PID Make & Model: RA	E MiniRAE 3000											
t)	swo.	.) (.	a, ∓	. ((E) log		VISU	JAL-MANUAL IDENTIFICATIO	N AND DESCRIPTION		Gra	avel	_	San	b		F		d Te	5
Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum	LIEW Deptin (II)			(Color, GROUP NAME, max structure, odor, moisture, opti GEOLOGIC INTERPR	onal descriptions		% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	
0 -	ΐ	G1	0.0					-TOPSOIL-	,		6	6	6	6	6	6		_	=	-
		28	0.0 4.0	0.2	4 SM	Lig	ht brown si	lty SAND with gravel, no odo			10	10	20	20	25	15	-	-	-	
									PID = 0	0.0 ppm										
5 -		G2 26	4.0 8.0		SM	Sin	nilar to G1,	except with trace black CLM		o 7.2 ft 0.0 ppm										
10 -		G3 25	8.0 12.0	8.0) ML	Da:	rk gray-brov	gray LIME/MORTAR, musty wn sandy SILT, trace clay, slig undertones, wet, occasional s	th weathered petroleum-light sheen	0.0 ppm/	<u>_</u> -			5	25	70	N	L	L	
				404.:	OL/ WF			IC SILT/decayed WOOD FIB: oleum-like odor, moist	-	1.2 ppm	-	-	-	-	15	85			† <u>-</u> -	
		G4	12.0			Sin	nilar to G3 ((below 10.5 ft) -FILL-		• •										
		38	16.0	402.0		Ye	llow-brown	to black sandy SILT with grav		0.8 ppm	5	10	10	10	20	45	-	-	-	-
15 -		G5	16.0	398.7	7 ML	Sin	nilar to G4 ((below 13.0 ft)		,	Ļ	_		5	5	90	-		Ļ	
		32	18.3		1112	-1	rd tan SILT	-ALLUVIAL DEPO		/										
				396 ′	7		te: Refusal a		,											
				396.7 18.3	3	J NO	ıc: Kerusal a			/										
						_		-WEATHERED BEI												
								•	at 16.5 It											
						S1:	vironmental = 10.5 to 13 = 14.0 to 16													
					<u></u>			1	1										<u></u>	
		Wa		evel Da		th (ft) to:	Sample ID	Well Diagram Riser Pipe		L.			<u>ıma</u>		1.0				-
D	ate	Time		e (hr \ E	Bottom	Botto	m Water	O - Open End Rod T - Thin Wall Tube	Screen	Over Rock			•	•	1	18.3 -	3			
1/2	5/11	_		- 01	Casing -	of Ho	8.0 ±	U - Undisturbed Sample S - Splitspoon Sample	Filter Sand Cuttings	Sam			, (11	.,		- 5G				
						-	0.0 1	G - Geoprobe	Grout Concrete	Bori) .		T		10-1	190	C	_
							1	1	Bentonite Seal	1	_									

		EY&		n Ea-	mer 1#	ZD 6:4		PROBE REPORT	DKA	-	File	N e	0	36	492	2-00)7		
Clie		Roch	ester	Gas &		ric Co	rporation	ster, New York				eet	No	. 1	of	2	y 20	111	
COI	iliacic	n Noui									Fin						y 20		
				Casin	g Sar	npler	Barrel	Drilling Equipment			Dri						weit	zer	
Гур				-	Macı	oCore	-	Rig Make & Model: Geop Bit Type: MC Cutting Sh					Rep		S. 1	Pot: 9.7			
		meter (`	-	1	.75	-	Drill Mud: -			Da							ge (Can
		Veight Fall (in.	` ′	-		-	-	Casing: - Hoist/Hammer:			Lo	cati	ion	S	ee F	Plan	l		
Iaii				-	<u>₽</u> 5	-	-	PID Make & Model: RAE			Gra	vel		Sano	4		F	eld	Tes
(ft)	Blov in	e No in.	be (±)	m m	Symbol		VISL	IAL-MANUAL IDENTIFICATION			\vdash							SS	
Depth (Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum	Elew/De USCS S			(Color, GROUP NAME, max structure, odor, moisture, optic GEOLOGIC INTERPRE	onal descriptions		% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity
0 -	0)	G1 23	0.0 4.0		SM		rk brown to gments, no	gray silty SAND with gravel, sodor, moist	5% CLM, 5% concrete PID = 0	.1 ppm	\vdash		_	15			-	-	-
5 -		G2 12	4.0 8.0		SM			except wet at approximately 7.3 oleum-like odor (poor recovery		.2 ppm									
10 –		G3 35	8.0 12.0	411 8	.2 .5 MI	unc		-FILL- ly SILT, trace clay, petroleum- eens common through the soil s y sand		al	-	-	5	5	30	60	-	-	-
		G4 43	12.0 16.0		ML	Sin	nilar to abov	ve											
				405	.2			-ALLUVIAL DEPO	SITS-										
15 –				14	.5 SM	pet	roleum/napl	lack silty SAND with gravel, fr hthalene-like odor, moist, with NAPL, subrounded to subangu	seams containing sheens,	trace	10	15	15	10	15	35	-	-	-
l		Wa	iter L	 evel D	oata			Sample ID	Well Diagram				Sum	ıma	rv		<u> </u>		
D	ate	Time	Ela	psed	Dep	th (ft		O - Open End Rod	Riser Pipe Screen	Over	burc					21			
			Time	e (hr.)	Bottom of Casing	Botto of Ho		T - Thin Wall Tube U - Undisturbed Sample	Filter Sand	Rock			(ft)		-			
								S - Splitspoon Sample G - Geoprobe	Cuttings Grout	Samp						6G	0.2	20	
						<u> </u>		·	Concrete Bentonite Seal	Bori				1.0.7		კ-1	0-2	22(<i>;</i> —
-ielo	d Tests	:			ancy: R hness:		S - Slow		ity: N - Nonplastic L - Lo ength: N - None L - Low							Vorv	امالا	_	

HALEY GEOPROBE REPORT File No. 36492-007 Sheet No. 2 of 2 Stratum Change Elev/Depth (ft) Sampler Blows per 6 in. Gravel Sand Field Test Sample No. & Rec. (in.) **USCS Symbol** VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION Sample Depth (ft) % Medium % Fine Toughness % Coarse % Coarse Plasticity Dilatancy Strength % Fines (Color, GROUP NAME, max. particle size*, % Fine structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) Similar to G4 (below 14.5 ft) 16.0 48 20.0 -GLACIAL TILL- $\frac{399.7}{20.0}$ -20 20.0 GM Yellow-brown to black silty GRAVEL with sand (decomposed shale), slight 25 25 15 10 5 20 G6 12 odor, no sheen, no DNAPL, moist 21.0 398.7 21.0 PID = 17.2 ppmNote: Borehole caving in below 19.0 ft, terminated at 21.0 ft -WEATHERED BEDROCK--Bottom of exploration at 21.0 ft Environmental Samples Collected: S1 = 9.0 to 12.0 ft S2 = 20.0 to 21.0 ft TG-10-22C **Boring No.** NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

18 Mar 1

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HA-TB+CORE+WELL-07-1.GDT

H&A-GEOPROBE-07-1 HAR HA-LIB07-R1.GLB

TG-10-22C

A	LAL	EY& RICI	H				GEO	PROBE REPORT	DRAF	• 1	E	Воі	rin	g N	lo.	T	G- 1	10-	-23	C
Proj Clie Con	nt	test Station Former MGP Site; Rochester, New York Rochester Gas & Electric Corporation (ctor Nothnagle Drilling, Inc.) Casing					Sh Sta	art	No	. 1 25		1 uar	y 20							
				Casin	g s	Sample	er Barrel	Drilling Equipment	and Procedures			nish iller					y 20 weit			
Турє	;			-	М	[acroCo	ore -				Н8	kA F	Rep		S.	Pof	f			
Insid	e Dia	meter (in.)	_		1.75	_		noe			evat				8.4		1	C	_
Ham	mer V	Veight	(lb)	-		-	-	Casing: -			_	ıtum cati		S	ee F		Bar	ge (Cai	1
Ham	mer F	all (in.)	-		-	-		E MiniRAE 3000											
£	SWC	٠ <u>٠</u>			£	logi	VISU			-	ivel		San	t			ield	Те	S	
Depth (ft)	ampler Blo per 6 in.	Rochester Gas & Electric Corporation or Nothnagle Drilling, Inc. Casing Sampler Barrel Drilling Equipment and Processing									% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	
0	S		0.0				Brown to light	brown silty SAND with gravel	, no odor, dry		5		_		25		-	-	-	
		G1 0.0 38 4.0 416.9 1.5 SC Gray-brown to black clayey SAND with gravel, occasional poorganics (decayed), slight weathered petroleum-like/musty odd organics (decayed), slight weathered petroleum-like odor, no sheen, wet																		
		Rochester Gas & Electric Corporation clor Nothnagle Drilling, Inc. Casing Sampler Barrel Drilling Equipment and Procedures								olack .0 ppm	15	10	10	10	20	35	-	-	_	
5 -				1		SC S	Similar to G1 (below 1.5 ft)												
	Casing Sampler Barrel Drilling Equipment and Procedure (in.) Casing Sampler Barrel Drilling Equipment and Procedure (in.) Casing Sampler Barrel Drilling Equipment and Procedure Casing Casing Sampler Barrel Drilling Equipment and Procedure Casing																			
10-		Rochester Gas & Electric Corporation actor Nothmagle Drilling, Inc. Casing Sampler Barrel Drilling Equipment and Proce							es, weathered petroleum-l	ike	15	15	5		10	40			<u> </u>	1
		Diameter (in.) - 1.75 -						_												
		Diameter (in.)								**										
										Ü	20	15	20	25	15	5	-	-	-	
15 -				-			Similar to G4		PID = 3	.5 ppm										
			17.0			1	Note: Refusal a	ıt 19.5 ft		11										
-				398 19	.9 .5															ļ
						5	S1 = 5.0 to 7.0	Samples Collected:	at 17.5 ft											
L		Wa	iter I	Level D	ata			Sample ID	Well Diagram			.S	Sum	ma	rv					1
٦	ate		Ela	apsed				Riser Pipe	Over	burd					19.5	5			-	
			Tim	ne (hr.)				Filter Sand	Rock			(ft)		-					
1/25	5/11	-		-	-		- 12.0 ±	S - Splitspoon Sample	Grout	Sam						5G ⊂ 1)21	~	
Fiold	Toeto			Dilat	ancv.	· R - R2	anid S - Slow	N - None Plastic	Concrete Bentonite Seal ity: N - Nonplastic L - Lo	Bori w M-N				Hiak		J-1	10-2	<u> </u>		_
ı ield	เษรเร	-		Touc	uncy.		APIG O OIOW I	Tiustic								100	امالا ،	h		

Clie		Roch	iestei		Electri	P Site; Roche c Corporation	File No. 36492-007 Sheet No. 1 of 2 Start 27 January 2011
					1	nler Barrel	Finish 27 January 2011
Тур	<u> </u>			-			J. Schweitzer
٠.		meter	(in.)	_			Bit Type: MC Cutting Shoe Elevation 424.2
Ham	nmer \	Veight	(lb)	_	-	_	Casing: - Location See Plan
Han		all (in	Casing Sampler Barrel Drilling Equipment and Procedures Drilling Equipment and Procedures	Hoist/Hammer:			
£)	Sampler Blows per 6 in.	. (- 6	on €	Casing Sampler Barrel Drilling Equipment and Procedures - MacroCore - Rig Make & Model: Geoprobe 6610DT Bit Type: MC Cutting Shoe Drill Mud: - Casing: - Hoist/Hammer: - Plow & Model: RaE MiniRAE 3000 Casing: - Hoist/Hammer: - Plow & Model: RaE MiniRAE 3000 Casing: - Plow & Mod	SUAL-MANUAL IDENTIFICATION AND DESCRIPTION Gravel Sand Field T		
Depth (ft)	ler Bl r 6 in	ple l	mple 4	SM Similar to G1 SM SM SM SM SM SM SM S	(Color, GROUP NAME, max. particle size*, Se Se Se Se Se Se Se S		
Dep	ampl	Sam & Re	SM Similar to G1	(Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) Sequence of the color of the col			
0 -	(f)	G1	According to the first term of term of the first				
		G1 35 4.0 SM Similar to G1 G2 4.0 37 8.0 SM Similar to G1 SM SM Similar to G1 SM SM Similar to G1	PID = 0.0 ppm				
5 -					SM	Similar to G1	
				6.8	SM SM		odor, dry
10 –				413.5 10.7	CL	Orange-brown	
						moist	PID = 0.0 ppm
		- 1			CL	Similar to abo	
15 –							-ALLUVIAL DEPOSITS-
		Wa					
D	Water Level Data Sample ID	Screen Overburden (II) 24.5					
1/2	7/11	Water Level Data S	U - Undisturbed Sample Filter Sand ROCK Cored (π) -				
112	,,11	_				- 10.0 ±	Grout Concrete Boring No. TG-10-31C
		I	1				

HALEY& GEOPROBE REPORT File No. 36492-007 Sheet No. 2 of 2 Stratum Change Elev/Depth (ft) Sampler Blows per 6 in. Gravel Sand Field Test Sample No. & Rec. (in.) JSCS Symbol VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION Sample Depth (ft) Toughness % Medium % Coarse % Coarse Plasticity Dilatancy Strength % Fines (Color, GROUP NAME, max. particle size*, % Fine % Fine structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) CL Similar to G4 G5 16.0 20.0 $\frac{404.2}{20.0}$ -20 Light brown to olive-brown silty SAND with gravel, weathered petroleum-15 25 25 10 10 15 -G6 20.0 37 like odor (diesel/fuel oil-like odor), slight sheen, wet 24.0 PID = 14.5 ppm-ALLUVIAL DEPOSITS-ML Black to yellow-brown SILT, hard/compact, slight odor, dry (decomposed - 10 90 shale/siltstone) G7 24.0 PID = 2.1 ppm6 24.5 Note: Refusal at 24.5 ft -WEATHERED BEDROCK--Bottom of exploration at 24.5 ft Environmental Samples Collected: S1 = 7.0 to 9.0 ftS2 = 20.0 to 22.0 ft S3 = 24.0 to 24.5 ft TG-10-31C **Boring No.** NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

18 Mar 1

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HA-TB+CORE+WELL-07-1.GDT

H&A-GEOPROBE-07-1 HAR HA-LIB07-R1.GLB

TG-10-31C

Clie			ester	Gas &	Ele	ectric	P Site; Roc Corporati	on S	ile Shee Start	et N	lo.	1 25 J	of Janı	uar)7 y 20 y 20			
				Casin	g s	Samp	oler Barr) Prille						y 20 weit			
Тур	e			_	M	Iacro(Core -	Rig Make & Model: Geoprobe 6610DT	H&A	Re	ep.			Pof				
		meter	(in.)	_		1.7:			Elev		on			8.4				
		Veight	` ′	_			_	Cacina:	Datu Loca		n			YS Plan	Barg	ge (Can	ıa
		Fall (in		_		_	_	Hoist/Hammer:	_000	ilio		30	,C F	ian	ı			
					2	<u></u>		PID Make & Model: RAE MiniRAE 3000	rave	el	S	and			F	eld	Tes	_ st
Depth (ft)	· Blov in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum	bth (Symbol	'	ISUAL-MANUAL IDENTIFICATION AND DESCRIPTION	מ			Ę		,		SS		
epth	npler oer 6	mpl Rec	Sam	Strat	√De	uscs s		(Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)		<u>}</u> }	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	
	Sampler Blows per 6 in.	Sa R I	۵ ۵	0,0	E e	nSC		GEOLOGIC INTERPRETATION)	% %	2 2	%	%	%	% F	iii	Ĭ	Ра	ŀ
0 -		G1	0.0			SM		ght brown silty SAND with gravel, trace asphalt pieces, no odor,	0 1	0 1	5	15	30	20	-	-	-	Γ
		44	4.0				moist	PID = 0.0 ppm										
5 -		G2 43	4.0			SM	Similar to no odor, m		0 1	0 1	1.5	10	30	20	-	-	-	
10 –		G3 39	8.0 12.0	1		SM	Similar to	62, except 5% concrete, trace brick, frequent cobbles PID = 0.0 ppm										
		G4 38	12.0 16.0	1		SM	Similar to slight must	63, except occasional pocket of gray-brown silty sand, no odor to odor PID = 0.0 ppm										
15 -		G5 37	16.0 20.0	1		SM	Similar to	G4										
20 –								-FILL-										L
		Wa		evel D		Denth	ı (ft) to:	Sample ID Well Diagram O Opposed Ford Rod Riser Pipe Output				mar				_		_
D	ate	Time		psed e (hr.)	Botto	om E	Bottom W/s	O - Open End Rod Screen Overbu			٠,		3	39.5	;			
1 /2	5/11			_ \	f Cas	sing (JI HOIE	U - Undisturbed Sample		d ((Ħ)			- 10G	1			
1/2	J/11	-		-	-		- 26.0	± S - Splitspoon Sample G - Geoprobe G - Geoprobe Sample Grout Concrete Bentonite Seal		lo.					10-3	35(7	_
Field			1	Dilata														-

HALEY& GEOPROBE REPORT File No. 36492-007 Sheet No. 2 of 2 Stratum Change Elev/Depth (ft) Sampler Blows per 6 in. Gravel Sand Field Test ISCS Symbol Sample No. & Rec. (in.) VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION Sample Depth (ft) Depth (ft) Toughness % Medium Coarse % Coarse Plasticity Dilatancy % Fines Strength (Color, GROUP NAME, max. particle size*, % Fine % Fine structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) % - 20 Similar to G5, except bottom 9 in. is gravel/rock fragments (cobble) G6 20.0 24.0 SM Similar to G6, except wet at approximately 26.0 ft G7 24.0 24 28.0 - 25 $^{412.4}_{26.0}$ Orange-brown silty SAND with gravel, no odor, wet SM 15 20 10 15 25 15 -PID = 0.0 ppm $^{410.4}_{28.0}$ GW-Orange-brown to brown well-graded GRAVEL with silt and sand, no odor, 20 30 15 15 10 10 -G8 28.0 GMwet, no sheen (poor recovery) 32.0 PID = 0.0 ppm- 30 G9 30 32.0 405.9 32.5 36.0 ML Orange-brown to light brown sandy SILT, poorly stratified, no odor, wet, no 5 5 5 10 25 50 - -PID = 0.0 ppm35 Similar to G9 ML G10 36.0 39.5 -ALLUVIAL DEPOSITS-400.2 38.2 Light brown sandy SILT, with gravel, no odor, dry (completely weathered ML shale/siltstone) PID = 0.0 ppmNote: Refusal at 39.5 ft -WEATHERED BEDROCK--Bottom of exploration at 39.5 ft Environmental Samples Collected: S1 = 24.0 to 26.0 ft S2 = 36.0 to 38.0 ft TG-10-35C **Boring No.** NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

18 Mar 1

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HA-TB+CORE+WELL-07-1.GDT

HAR HA-LIB07-R1.GLB

H&A-GEOPROBE-07-1

TG-10-35C

ALD	EY& RIC	H			GEO	PROBE REPORT	DRAM	• 1		ان	ııııç	j in	Ο.	ı G-	10-	370	ر
Project Client Contracto	Roc	hester	Gas & I	Electric		ster, New York	-		Sta	eet irt	No.	. 1 27 J	192-(of anua	l ıry 2			_
			Casing	Samp	oler Barrel	Drilling Equipment	t and Procedures		Fin Dri				anua I. Sc	-			
Туре			-	Macro	Core -	Rig Make & Model: Georg			Н&	A F	₹ер.		S. Po	off			
Inside Dia	meter	(in.)	-	1.7	5 -	Bit Type: MC Cutting St Drill Mud: -	hoe		Ele		tion		425. NYS		oe (Cans	a1
Hammer \	Veight	(lb)	-	-	-	Casing: - Hoist/Hammer:			Lo				e Pla		50	Carr	*1
Hammer I	Fall (in	.)	-	-	-	PID Make & Model: RAI	E MiniRAE 3000										
(ft) Slows n.	i) No.	æ Œ	He H	Symbol	VISU	IAL-MANUAL IDENTIFICATION	N AND DESCRIPTION		Gra	vel	_	and =				Tes	<u>t</u>
Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Sy		(Color, GROUP NAME, max structure, odor, moisture, opti GEOLOGIC INTERPRE	onal descriptions		% Coarse	% Fine	% Coarse	% Medium	% Fine	Dilatancy	Toughness	Plasticity	Strenath
0	G1 34	0.0 4.0		SM	Brown silty SA	ND with gravel, trace brick, c	concrete, CLM, no odor, PID = 0		10	10	15	-	20 2	5 -	-	-	=
5 -	G2 27	4.0	410.0	SM	Similar to G1		PID = 0	.0 ppm									
			418.8 7.0	SM	Similar to G1,	except approximately 30% brid	\overline{ck} , no odor, moist $\overline{pID} = 0$	0 ppm	\vdash			-+	+	+-	-		_
	G3 24	8.0 11.9		SM	Similar to G2 (below 7.0 ft), except wet at ap		.0 ррт									
10 -					Note: Refusal a	at 11.9 ft											
			412.0			-FILL-											
			413.9 11.9			-Bottom of exploration	at 11.9 ft	- — — -				-+	$^{+}$	+-	-		-
					S1=2.0 to 4.0 S2=9.5 to 11.5 Note: Offset 5		t 11.9 ft with conditions s	imilar									
Date	W	Elap	evel Dat	Depth	to above	Sample ID O - Open End Rod	Well Diagram ☐☐ Riser Pipe ☐☐ Screen	Over	burc		Gum (ft)		y 11	.9			=
	7 11110	Time			Bottom Water	T - Thin Wall Tube U - Undisturbed Sample	Filter Sand	Rock	Co		٠,		-				
1/27/11	-		-	-	- 11.6 ±	S - Splitspoon Sample G - Geoprobe	Grout Concrete	Sam		No).		30 TG :		370		
Field Tests			Dilatan	cv: R-F	Rapid S - Slow	N - None Plastic	Bentonite Seal										_
5313					Low M - Mediu		rength: N - None L - Low						/ - Ve	ry Hig	gh		_

Clie		Roch	nester	Gas &	Electri			DRAM		Sh	e N neet art). 1 25	Jan	2 uar	y 20		
			Ť		1	nlor Borrol	Drilling Equipment	and Dragaduras			nish		25			y 20		
				Casing			Drilling Equipment Rig Make & Model: Geop				iller 8. A. I	Rep		J. S S.		weit	zer	/
Гуре				-			Bit Type: MC Cutting Sh					tion			8.7			
			`	-	1.7	75 -	Drill Mud: -				atur					Barg	ge (Can
		_		-	-	-	Casing: - Hoist/Hammer:			Lo	cat	ion	S	ee I	Plan	1		
		`	.)	-			PID Make & Model: RAF	E MiniRAE 3000										
€	Sampler Blows per 6 in.	S (E)	<u>ə</u> €	E 9 5	m bo	VIS	UAL-MANUAL IDENTIFICATION	AND DESCRIPTION			avel		San	d				Tes
Depth (ft)	oler E er 6 i	ec.	amp oth	tratul hang	S Sy		(Color, GROUP NAME, max			oarse	e	arse	ediu	ne	nes	ancy	hne	licity
ے ا	amp pe	Sar	S O	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \) SC		structure, odor, moisture, optic GEOLOGIC INTERPRE			% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity
0 -	0)		0.0				-TOPSOIL-									Ħ	$\dot{=}$	Ē
		37	4.0	0.3	SM		t brown silty SAND with gravel	, 5% total brick and cond	crete,	10	10	10	15	25	25	-	-	-
						trace asphalt	pieces, no odor, moist	PID = 0	.0 ppm									
		G2 44			SM	Similar to G1	, except with trace clay	PID = 0	.0 ppm									
5 -			0.0						·· PF···									
		G3 35			SM	Similar to G2	, except trace wood (lumber type	e, wood odor only) PID = 0	.1 ppm									
10 -		G4 30			SM	Similar to G3		PID = 0	.0 ppm									
				404.7							<u> </u>						_	L
1.5				14.0	SC	Olive-brown	to gray-brown clayey SAND with	h gravel, no odor, moist PID = 0		5	15	15	10	25	20	-	-	-
15 –							-FILL-											
		Wa	ater L	evel Da	ta		Sample ID	Well Diagram				Sum	nma	ry				
Di	ate	Time				h (ft) to:	O - Open End Rod	Riser Pipe Screen	Overl	bur	den	(ft	:)		24			
			Ceight (lb) -		of Hole Wate	T - Thin Wall Tube U - Undisturbed Sample	Filter Sand	Rock			l (ft	t)		-				
1/2	5/11	-		-	- 19.0 -		Cuttings Grout	Samp	oles	3				6G				
							·	Concrete Bentonite Seal	Bori						G-1	10-3	39C	
ielo	l Tests	: :		Dilatar	icy:R-	Rapid S - Slow		ity: N - Nonplastic L - Lo ength: N - None L - Low										

HALEY& GEOPROBE REPORT File No. 36492-007 Sheet No. 2 of 2 Stratum Change Elev/Depth (ft) Sampler Blows per 6 in. Gravel Sand Field Test Sample No. & Rec. (in.) JSCS Symbol VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION Sample Depth (ft) % Medium % Fine Toughness % Coarse % Coarse Plasticity Dilatancy Strength % Fines (Color, GROUP NAME, max. particle size*, % Fine structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) Similar to G4 (below 14.0 ft) G5 16.0 20.0 399.9 18.8 Dark brown to dark gray COAL ASH/CINDERS with CLM, slight sheen and - 10 35 50 5 399.2 19.5 petroleum-like odor from approximately 19.0 to 19.5 ft CL PID = 73.4 ppm15 80 N M L-M --FILL--20 G6 20.0 Olive-brown to yellow-brown CLAY with sand, frequent seams of fine sand 41 24.0 with sheen, petroleum-like odor and brown OLM coating sand grains, wet, PID = 174.1 ppm395.7 23.0 Light brown clayey SILT with sand (completely weathered shale/siltstone), 5 5 80 5 no odor, dry, occasional gray-stained seam PID = 20.8 ppm $\frac{394.7}{24.0}$ -WEATHERED BEDROCK--Bottom of exploration at 24.0 ft Environmental Samples Collected: S1 = 5.0 to 7.0 ftS2 = 21.0 to 23.0 ft TG-10-39C **Boring No.**

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

18 Mar 1

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HA-TB+CORE+WELL-07-1.GDT

H&A-GEOPROBE-07-1 HAR HA-LIB07-R1.GLB

TG-10-39C

Clie		Roch	ester	Gas &	Electri	mpler Barrel Drilling Equipment and Procedures cocore - Rig Make & Model: Geoprobe 6610DT Bit Type: MC Cutting Shoe Drill Mud: - Casing: - Hoist/Hammer: - PID Make & Model: RAE MiniRAE 3000 VISUAL-MANUAL IDENTIFICATION AND DESCRIPTIC (Color, GROUP NAME, max, particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) Gray-brown to brown silty SAND with gravel, no odor, dry Black CLM and COAL CINDERS with ALM, sand-sized particle dry, with pocket of red and black clay from approximately 3.2 to PII Similar to above, except with 30% silty fine sand Yellow-brown to gray-brown clayey SAND, no odor, moist FII Gray to pink silty SAND, no odor, dry, reactive with HCl, with if fragments (possible decomposed cement/mortar) Blue-gray to white LIME/MORTAR, no odor, dry, granular Blue-gray to white LIME/MORTAR, no odor, dry, granular Blue-gray to white LIME/MORTAR, no odor, dry, granular Black sandy SILT, trace gravel, slight organic (swamp-like) odor PII Similar to G3 (below 10.4 ft), except sandy CLAY FILL- Black silty SAND, no odor, moist PII Sample ID Well Diagram Screen Screen Screen G-Geoprobe O - Open End Rod T - Unindistribed Sample G-Geoprobe O - Open End Rod T - Unindistribed Sample G-Geoprobe Rapid S - Slow N - None Bentomin N-None			Sh	e N leet art nish	No	. 1 27	Jan	2 uar)7 y 20 y 20				
				Casing	Tormer MGP Site; Rochester, New York Gas & Electric Corporation Drilling, Inc.: Assing Sampler Barrel Drilling Equipment and Procedure	nt and Procedures			iller					y 20 weit					
Тур	е			tion Former MGP Site; Rochester, New York ter Gas & Electric Corporation gle Drilling, Inc. Casing Sampler Barrel Drilling Equipment and Proce - MacroCore - Rig Make & Model: Geoprobe 6610D Bit Type: MC Cutting Shoe Drill Mud: - Casing: Hoist/Hammer: - Hoist/Hammer: - Hoist/Hammer: - Hoist/Hammer: - PID Make & Model: RAE MiniRAE VISUAL-MANUAL IDENTIFICATION AND DESC (Color, GROUP NAME, max. particle scription) GEOLOGIC INTERPRETATION) SM Gray-brown to brown silty SAND with gravel, no odor, dry, with pocket of red and black clay from approximately Similar to above, except with 30% silty fine sand 407.8 SK Gray to pink silty SAND, no odor, dry, reactive with HCl fragments (possible decomposed cement/mortar) Similar to above, except with 30% silty fine sand 407.8 SK Gray to pink silty SAND, no odor, dry, reactive with HCl fragments (possible decomposed cement/mortar) 408.8 7.0 405.3 SM Gray brown silty SAND with gravel, trace brick, coal, CL 403.8 10.0 403.4 10.4 MIL Black sandy SILT, trace gravel, slight organic (swamp-like state) Black SILT, trace gravel, slight organic (swamp-like state) Black SILT, trace gravel, slight organic (swamp-like state) FILL- Level Data SM Black silty SAND, no odor, moist Level Data SM Black silty SAND, no odor, moist Level Data SM Black silty SAND, no odor, moist Level Data SM Black silty SAND, no odor, moist Level Data SM Black silty SAND, no odor, moist Level Data SM Black silty SAND, no odor, moist Level Data SM Black silty SAND, no odor, moist Level Data SM Black silty SAND, no odor, moist Level Data SM Black silty SAND, no odor, moist Level Data SM Black silty SAND, no odor, moist Level Data SM Black silty SAND, no odor, moist Level Data SM Black silty SAND, no odor, moist SM Black silty SAND, no odor, moist Level Data SM Black silty SAND, no odor, moist SM Black silty SAND, no odor, moist SM Black silty SAND, no odor, moist SM Black silty SAND, no odor, moist SM Black silty SAND, no odor, moist SM Black silty SAND, no odor, moist SM	=		_		Rep		S.								
Insid	de Dia	meter (in.)	The Former MGP Site; Rochester, New York Gas & Electric Corporation Drilling, Inc. Casing Sampler Barrel Drilling Equipment and Procedure - MacroCore - Rig Make & Model: Geoprobe 6610DT Bit Type: MC Cutting Shoe - 1.75 - Drill Mud: - - Casing: Hoist/Hammer: - - PID Make & Model: RAE MiniRAE 3000 VISUAL-MANUAL IDENTIFICATION AND DESCRIPT (Color, GROUP NAME, max, particle size, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) SM Gray-brown to brown silty SAND with gravel, no odor, dry with pocket of red and black clay from approximately 3.2 : P Black CLM and COAL CINDERS with ALM, sand-sized particle dry, with pocket of red and black clay from approximately 3.2 : P Similar to above, except with 30% silty fine sand 407.8 SM Gray to pink silty SAND, no odor, dry, reactive with HCl, with fragments (possible decomposed cement/mortar) P 408.8 SM Gray brown silty SAND with gravel, trace brick, coal, CLM, no particle dry, with provided the provided sandy SILT, trace gravel, slight organic (swamp-like) odd provided to provided the provided sandy SILT, trace gravel, slight organic (swamp-like) odd provided the provided sandy SILT, trace gravel, slight organic (swamp-like) odd provided the provided sandy SILT, trace gravel, slight organic (swamp-like) odd provided the provided sandy SILT, trace gravel, slight organic (swamp-like) odd provided the provided sandy SILT, trace gravel, slight organic (swamp-like) odd provided the provided sandy SILT, trace gravel, slight organic (swamp-like) odd provided the provided sandy SILT, trace gravel, slight organic (swamp-like) odd provided the provided sandy SILT, trace gravel, slight organic (swamp-like) odd provided the provided sandy SILT, trace gravel, slight organic (swamp-like) odd provided the provided sandy SILT, trace gravel, slight organic (swamp-like) odd provided the provided sandy SILT, trace gravel, slight organic (swamp-like) odd provided the provided the provided the provided the provided the provided the provided the provid	Snoe			eva itun	tion n			3.8 YS	Bar	ge f	Car	าล			
Han	nmer V	Veight	(lb)	-	orner MGP Site: Rochester, New York & Electric Corporation illing, Inc. MacroCore			_		ion	S	ee I			50				
Han		Fall (in.)	-	### According Sampler Barrel Drilling Equipment and Procedures ### Electric Corporation	AE MiniRAE 3000													
_	lows I.	70. In.)	æ (£	The Former MGP Site; Rochester, New York Gas & Electric Corporation Drilling, Inc. Casing Sampler Barrel Drilling Equipment and Procedure - MacroCore - Rig Make & Model: Geoprobe 6610DT Bit Type: MC Cutting Shoe - 1.75 - Drill Mud: - - Casing: Hoist/Hammer: - - PID Make & Model: RAE MiniRAE 3000 VISUAL-MANUAL IDENTIFICATION AND DESCRIP (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) SM Gray-brown to brown silty SAND with gravel, no odor, dry with pocket of red and black clay from approximately 3.2 Black CLM and COAL CINDERS with ALM, sand-sized particle size*, substitution of the sand 407.8 SM Gray brown to gray-brown clayey SAND, no odor, moist Iff fragments (possible decomposed cement/mortar) 408.8 The sample ID size of the sand of the sand of the sample size of the sampl	ON AND DESCRIPTION		—	avel	_	Sand	t				Te	st			
Depth (ft)	ler B r 6 ir	ple l ec. (oth (The Former MGP Site; Rochester, New York Gas & Electric Corporation Drilling, Inc. Casing Sampler Barrel Drilling Equipment and Procedure - MacroCore - Rig Make & Model: Geoprobe 6610DT Bit Type: MC Cutting Shoe			arse	<u>و</u>	Coarse	diun	e	səı	incy	hnes	city	4			
Del	amp	Sam & Re	Sa	\$\dag{\pi} \dag{\pi} \da	orner MGP Site; Rochester, New York & Electric Corporation illing, Inc. MacroCore			% Coarse	% Fine	% C	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strangth		
0 -	S		0.0	The Former MGP Site; Rochester, New York Gas & Electric Corporation Drilling, Inc. Casing Sampler Barrel Drilling Equipment and Procedure - MacroCore - Bid Make & Model: Geoprobe 6610DT Bid Type: MC Cutting Shoe	vel, no odor, dry		-	_	25				-	=	Ė	-			
		31	4.0	ion Former MGP Site; Rochester, New York or Gas & Electric Corporation le Drilling, Inc. Casing Sampler Barrel Drilling Equipment and Procedu - MacroCore - Rig Make & Model: Geoprobe 6610DT Bit Type: MC Cutting Shoe Drill Mud: - Casing: Hoist/Hammer: - PID Make & Model: RAE MiniRAE 30 - O O O O O O O O O O O O O O O O O O	•														
				412.5	mer MGP Site; Rochester, New York Electric Corporation ng, Inc. Sampler		ť	_											
5 -		G2 33	4.0 8.0			GP Site; Rochester, New York tric Corporation c. Impler Barrel Drilling Equipment and Procedures are Corocore - Rig Make & Model: Geoprobe 6610DT Bit Type: MC Cutting Shoe Drill Mud: - Casing: - Hoist/Hammer: - PID Make & Model: RAE MiniRAE 3000 VISUAL-MANUAL IDENTIFICATION AND DESCRIPTI (Color, GROUP NAME, max, particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) Gray-brown to brown silty SAND with gravel, no odor, dry Black CLM and COAL CINDERS with ALM, sand-sized particle dry, with pocket of red and black clay from approximately 3.2 to PI Similar to above, except with 30% silty fine sand C Yellow-brown to gray-brown clayey SAND, no odor, moist PI Gray to pink silty SAND, no odor, dry, reactive with HCl, with fragments (possible decomposed cement/mortar) Gray brown silty SAND with gravel, trace brick, coal, CLM, no PI Blue-gray to white LIME/MORTAR, no odor, dry, granular PI Black sandy SILT, trace gravel, slight organic (swamp-like) odo PI Black silty SAND, no odor, moist PI Black silty SAND, no odor, moist PI C Similar to G3 (below 10.4 ft), except sandy CLAY FILL- M Black Silty SAND, no odor, moist PI L Similar to G3 (below 10.4 ft), except sandy CLAY FILL- M Black Silty SAND, no odor, moist PI L Similar to G3 (below 10.4 ft), except sandy CLAY FILL- M Black Silty SAND, no odor, moist PI C O - Open Mall Tube D Well Diagram Screen	e sand												
				407.8 6.0		r MGP Site; Rochester, New York electric Corporation, Inc. Sampler Barrel Drilling Equipment and Procedur MacroCore - Rig Make & Model: Geoprobe 6610DT Bit Type: MC Cutting Shoe Drill Mud: - Casing: - Hoist/Hammer: - PID Make & Model: RAE MiniRAE 300 VISUAL-MANUAL IDENTIFICATION AND DESCRIF (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) SM Gray-brown to brown silty SAND with gravel, no odor, dry with pocket of red and black clay from approximately 3.3 Similar to above, except with 30% silty fine sand SC Yellow-brown to gray-brown clayey SAND, no odor, moist SM Gray to pink silty SAND, no odor, dry, reactive with HCI, w fragments (possible decomposed cement/mortar) SM Gray brown silty SAND with gravel, trace brick, coal, CLM, Blue-gray to white LIME/MORTAR, no odor, dry, granular ML Black sandy SILT, trace gravel, slight organic (swamp-like) o CL Similar to G3 (below 10.4 ft), except sandy CLAY -FILL- SM Black silty SAND, no odor, moist a Sample ID Well Diac Screen Bottom Bottom Bottom Gray Drown Silty Sand Right organic (swamp-like) o CL Similar to G3 (below 10.4 ft), except sandy CLAY -FILL- SM Black silty SAND, no odor, moist a Sample ID Well Diac Screen Bottom Gray Drown Silty Sand Right organic (swamp-like) o	, no odor, moist		<u>-</u> -	10	15	15	30	30			<u> </u>	ļ.	
				406.8	<u> </u>	TMGP Site; Rochester, New York lectric Corporation, Inc. Sampler Barrel Drilling Equipment and Procedum Actro Core - Rig Make & Model: Geoprobe 6610DT Bit Type: MC Cutting Shoe Drill Mud: - Casing: - Hoist/Hammer: - PID Make & Model: RAE MiniRAE 30 VISUAL-MANUAL IDENTIFICATION AND DESCRI (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional description GEOLOGIC INTERPRETATION) SM Gray-brown to brown silty SAND with gravel, no odor, dry, with pocket of red and black clay from approximately 3. Similar to above, except with 30% silty fine sand SC Yellow-brown to gray-brown clayey SAND, no odor, moist SM Gray to pink silty SAND, no odor, dry, reactive with HCl, w fragments (possible decomposed cement/mortar) SM Gray brown silty SAND with gravel, trace brick, coal, CLM fragments (possible decomposed cement/mortar) Blue-gray to white LIME/MORTAR, no odor, dry, granular ML Black sandy SILT, trace gravel, slight organic (swamp-like) of Bottom Black silty SAND, no odor, moist CL Similar to G3 (below 10.4 ft), except sandy CLAY FILL- SM Black silty SAND, no odor, moist CL Similar to G3 (below 10.4 ft), except sandy CLAY FILL- SM Black silty SAND, no odor, moist CL Similar to G3 (below 10.4 ft), except sandy CLAY FILL- SM Black silty SAND, no odor, moist CL Similar to G3 (below 10.4 ft), except sandy CLAY FILL- SM Black silty SAND, no odor, moist CL Similar to G3 (below 10.4 ft), except sandy CLAY FILL- SM Black silty SAND, no odor, moist CL Similar to G3 (below 10.4 ft), except sandy CLAY FILL- SM Black silty SAND, no odor, moist CL Similar to G3 (below 10.4 ft), except sandy CLAY FILL- SM Black silty SAND, no odor, moist CL Similar to G3 (below 10.4 ft), except sandy CLAY FILL- SM Black silty SAND, no odor, moist CL Similar to G3 (below 10.4 ft), except sandy CLAY FILL- SM Black silty SAND, no odor, moist CL Similar to G3 (below 10.4 ft), except sandy CLAY FILL- SM Black silty SAND, no odor, moist Sample G1 SAND, no odor, moist G1 SAND, more G1 SAND, more G1 SA	PID = (••									L.		
				7.0	SM	MGP Site; Rochester, New York extric Corporation Inc. Sampler Barrel Drilling Equipment and Procedulation of the control of t		brick	-	10	5	15	55	15	-	-	-	-	
		G3	8.0	·	The matter of the composition of	PID = 0	0.0 ppm												
		36	12.0	405.3	SM	MGP Site; Rochester, New York ctric Corporation inc. Sampler Barrel Drilling Equipment and Procedure acroCore - Rig Make & Model: Geoprobe 6610DT Bit Type: MC Cutting Shoe Drill Mud: - Casing: - Hoist/Hammer: - PID Make & Model: RAE MiniRAE 3000 Make & Model Make & Model: RAE MiniRAE 3000 Make & Model: RAE MiniRAE 3000 Make & Model: RAE MiniRAE 3000 Make & Model Make & Model: RAE MiniRAE 3000 Make & Model Make & Model: RAE MiniRAE 3000 Make & Model Make & Model: RAE MiniRAE 3000 Make & Model: RAE MiniRAE 3000 Make & Model Make & Model: RAE MiniRAE 3000 Make & Model Make & Model: RAE MiniRAE 3000 Make & Model Make & Model Make & Model Make & Model Make & Model Make & Model Make & Model & Model Make & Model & Model & Model & Model & Mo	brick, coal, CLM, no odor PID = (5	10	15	25	30	15			<u>-</u> -	†-	
10 -				403.8	<u> </u>	MGP Site; Rochester, New York ctric Corporation nc. Ampler			<u> </u>	L.	<u> </u>	_			_	_	L.		
				403.4	ŀ ├ . ·	Sampler Barrel Drilling Equipment and Procedu	or, dry, granular PID = (0.0 ppm _/	<u> </u>	 - -	 		40	60	N	L	L	+	
						Blac	Site; Rochester, New York Corporation er Barrel Drilling Equipment and Procedur ore - Rig Make & Model: Geoprobe 6610DT Bit Type: MC Cutting Shoe Drill Mud: - Casing: - Hoist/Hammer: - PID Make & Model: RAE MiniRAE 300 VISUAL-MANUAL IDENTIFICATION AND DESCRIP (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) Gray-brown to brown silty SAND with gravel, no odor, dry Black CLM and COAL CINDERS with ALM, sand-sized part dry, with pocket of red and black clay from approximately 3.2 Similar to above, except with 30% silty fine sand Yellow-brown to gray-brown clayey SAND, no odor, moist Gray to pink silty SAND, no odor, dry, reactive with HCl, wifragments (possible decomposed cement/mortar) Gray brown silty SAND with gravel, trace brick, coal, CLM, Blue-gray to white LIME/MORTAR, no odor, dry, granular Black sandy SILT, trace gravel, slight organic (swamp-like) or Hole O O-Open End Rod T - Thin Wall Tube U - Undisturbed Sample S - Spitspoon Sample G - Geoprobe Plasticity: N - None Bentor Bentor Bentor Plasticity: N - None Bentor Bentor Bentor Plasticity: N - None Bentor Bentor Bentor Bentor Plasticity: N - None Bentor Bent	nic (swamp-like) odor, moi PID = 1											
		G4	12.0			Ampler Barrel Drilling Equipment and Procedure acroCore Rig Make & Model: Geoprobe 6610DT Bit Type: MC Cutting Shoe Drill Mud: - Casing: - Hoist/Hammer: - PID Make & Model: RAE MiniRAE 300 VISUAL-MANUAL IDENTIFICATION AND DESCRIFE (Color, GROUP NAME, max, particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) SM Gray-brown to brown silty SAND with gravel, no odor, dry, with pocket of red and black clay from approximately 3.2 Similar to above, except with 30% silty fine sand SC Yellow-brown to gray-brown clayey SAND, no odor, moist SM Gray to pink silty SAND, no odor, dry, reactive with HCl, with fragments (possible decomposed cement/mortar) SM Gray to pink silty SAND with gravel, trace brick, coal, CLM, Blue-gray to white LIME/MORTAR, no odor, dry, granular MIL Black sandy SILT, trace gravel, slight organic (swamp-like) or the politon of the													
		36	10.0	400.3	CL	Simi	Barrel Drilling Equipment and Procedures Rig Make & Model: Geoprobe 6610DT Bit Type: MC Cutting Shoe Drill Mud: - Casing: - Hoist/Hammer: - PID Make & Model: RAE MiniRAE 3000 VISUAL-MANUAL IDENTIFICATION AND DESCRIPTI (Color, GROUP NAME, max, particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) ray-brown to brown silty SAND with gravel, no odor, dry ray-brown to brown silty SAND with gravel, no odor, dry with pocket of red and black clay from approximately 3.2 to PI milar to above, except with 30% silty fine sand ellow-brown to gray-brown clayey SAND, no odor, moist ray to pink silty SAND, no odor, dry, reactive with HCl, with agments (possible decomposed cement/mortar) PI ray to pink silty SAND with gravel, trace brick, coal, CLM, no PI ray brown silty SAND with gravel, trace brick, coal, CLM, no PI ray brown silty SAND with gravel, trace brick, coal, CLM, no PI ray brown silty SAND, no odor, dry, granular PI ack sandy SILT, trace gravel, slight organic (swamp-like) odo PI milar to G3 (below 10.4 ft), except sandy CLAY -FILL- ack silty SAND, no odor, moist PI Sample ID Well Diagra T- Thin Will Tube U- U- Unisturbed Sample S- Splitspoon Sample G- Geoprobe T- Thin Weldum H- Secretic Sample S- Splitspoon Sample G- Geoprobe By M- Medlum H- Secretic Sample Cuttings Filter Sa Cuttings F	-CLAY		 - -		 - -		30	70	N	M	M	 -
				SM Gray-brown to brown silty SAND with gravel, no odor, dry ### 12.5 ### 12.5 ### 13.3 ### Black CLM and COAL CINDERS with ALM, sand-sized pardry, with pocket of red and black clay from approximately 3.2 ### 1412.5 ### Black CLM and COAL CINDERS with ALM, sand-sized pardry, with pocket of red and black clay from approximately 3.2 ### 1407.8 ###															
15-				SM Gray-brown to brown silty SAND with gravel, no odor, dry Black CLM and COAL CINDERS with ALM, sand-sized part dry, with pocket of red and black clay from approximately 3.2 Similar to above, except with 30% silty fine sand SC Yellow-brown to gray-brown clayey SAND, no odor, moist 406.8 7.0 SM Gray to pink silty SAND, no odor, dry, reactive with HCl, wi fragments (possible decomposed cement/mortar) 405.3 8.5 SM Gray brown silty SAND with gravel, trace brick, coal, CLM, 403.8 Blue-gray to white LIME/MORTAR, no odor, dry, granular 10.4 MIL Black sandy SILT, trace gravel, slight organic (swamp-like) or 400.3 13.5 CL Similar to G3 (below 10.4 ft), except sandy CLAY - FILL- SSM Black silty SAND, no odor, moist - FILL- SSM Black silty SAND, no odor, moist - CL Similar to G3 (below 10.4 ft), except sandy CLAY - FILL- SSM Black silty SAND, no odor, moist - FILL- SSM Black silty SAND, no odo															
				15.3	SM	Sampler Barrel Drilling Equipment and Procedur	PID = (-		5	30	45	20				T	
		Wa	iter Le	evel Da	ıta	r MGP Site; Rochester, New York Electric Corporation , Inc. Sampler Barrel Drilling Equipment and Procedure MacroCore - Bit Type: MC Cutting Shoe Drill Mud: - Casing: Hoist/Hammer: - PID Make & Model: Geoprobe 6610DT Bit Type: MC Cutting Shoe Drill Mud: - Casing: Hoist/Hammer: - PID Make & Model: RAE MiniRAE 3000 VISUAL-MANUAL IDENTIFICATION AND DESCRIPT (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) SM Gray-brown to brown sitly SAND with gravel, no odor, dry Black CLM and COAL CINDERS with ALM, sand-sized particly, with pocket of red and black clay from approximately 3.2. p Similar to above, except with 30% silty fine sand SC Yellow-brown to gray-brown clayey SAND, no odor, moist fragments (possible decomposed cement/mortar) SM Gray brown silty SAND with gravel, trace brick, coal, CLM, representation of the process of	Well Diagram	то ррш			Sum	ma	ry			=		_	
D	ate	Time			The modern of the composed center of the comp	Riser Pipe Screen	Over	bur	den	(ft)	3	31.8						
			I IME			AGP Site; Rochester, New York ctric Corporation 1c. ampler Barrel Drilling Equipment and Procedure 1c. Bit Type: Mc Cutting Shoe Drill Mud: Casing: Hoist/Hammer: PID Make & Model: RAE MiniRAE 3000 VISUAL-MANUAL IDENTIFICATION AND DESCRIPT (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) M Gray-brown to brown silty SAND with gravel, no odor, dry with pocket of red and black clay from approximately 3.2 p Similar to above, except with 30% silty fine sand Gray to pink silty SAND, no odor, dry, reactive with HCl, with fragments (possible decomposed cement/mortar) M Gray brown silty SAND with gravel, trace brick, coal, CLM, no particle size*, pp M Gray to pink silty SAND with gravel, trace brick, coal, CLM, no particle size*, pp Blue-gray to white LIME/MORTAR, no odor, dry, granular pp Black sandy SILT, trace gravel, slight organic (swamp-like) odder pp Black silty SAND, no odor, moist pp Black silty SAND, no odor, moist pp Black sandy SILT, trace gravel, slight organic (swamp-like) odder pp CL Similar to G3 (below 10.4 ft), except sandy CLAY FILL- M Black silty SAND, no odor, moist pp Gray to white LIME/MORTAR, no odor, dry, granular pp Filt silter pp Gray to white LIME/MORTAR, no odor, dry, granular pp Filt silter pp Gray to white LIME/MORTAR, no odor, dry, granular pp Gray to white LIME/MORTAR, no odor, dry, granular pp Gray to white LIME/MORTAR, no odor, dry, granular pp Filt silter pp Gray to white LIME/MORTAR, no odor, dry, granular pp Filt silter pp Gray to white LIME/MORTAR, no odor, dry, granular pp Filt silter pp Gray to white LIME/MORTAR, no odor, dry, granular pp Filt silter pp Gray to white LIME/MORTAR, no odor, dry, granular pp Filt silter pp Gray to white lime pp Gray to white lime pp Gray to white lime pp Gray to white lime pp Gray to white lime pp Gray to white lime pp Gray to white lime pp Gray to white lime pp Gray to white lime pp Gray to white lime pp Gray to white lime pp G	Filter Sand	Rock			l (ft)		-					
1/2	27/11	-		-	-	GP Site; Rochester, New York ric Corporation Corporation Corporation	Grout	Sam _l Bori) .			8G G-1	0-4	41(
Field	d Tests			tion Former MGP Site; Rochester, New York ter Gas & Electric Corporation gle Drilling, Inc. Casing Sampler Barrel Drilling Equipment and Procedures AcroCore - Rig Make & Model: Geoprobe 6610DT Bit Type: MC Cutting Shoe Drill Mud: - Drill	Bentonite Seal					Hiah					—	_			
		Rochester Gas & Electric Corporation clor Nothnagle Drilling, Inc. Casing Sampler Barrel Drilling Equipment and Procedum								Very	Hig	<u>1</u>							

A	IAL LD	EY& RIC	Σ Η			GEOPROBE REPORT DRAF	F	ile	ring No. et N	3	3649	2-00)7	.0-4	-
				(ft)	loq	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION	-	ave	_	San		J	_	ield	Tes
Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	(Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity
		G5	16.0		SM	Black silty SAND, no odor, moist	-	-	5	30	_	20	-	-	-
		45	20.0	396.8 17.0	CL	-FILL- Yellow-brown to tan silty CLAY, laminated, no odor, moist; frequent light gray stained seams, occasional gravel pockets (generally stained black) PID = 1.5 ppm (stained)	-	-	-	-	5	95	N	нм	1-1
				202.8		-GLACIOLACUSTRINE DEPOSITS-									
20 =		G6 26	20.0 24.0	393.8 20.0	CL	Yellow-brown to black sandy CLAY with gravel, petroleum/naphthalene-like odor, moist, frequent gravelly lenses or layers exhibit stain, odor, sheen and some (at approximately 25, 25.5, 26.3 and 27.6 ft) contain brown OLM DNAPL coating grain surfaces (lens/layer thickness with OLM generally 1 to 3 in.)									
25 –		G7 32	24.0 28.0			Similar to G6 PID (unstained)=1.5 ppm; PID (stained)=28.7 ppm; PID (OLM)=201.6 ppm									
		G8 35	28.0 31.8			Similar to G7									
30 -						GV A GVA V TOV V									
				382.8 31.0	ML	-GLACIAL TILL- Yellow-brown SILT with sand, no odor, dry (decomposed shale/siltstone)	-	-	+-	-	10	90	-	-	-
				382.0 31.8		Note: Refusal at 31.9 ft -WEATHERED BEDROCKBottom of exploration at 31.8 ft Environmental Samples Collected: S1=3.0 to 5.0 ft S2=11.0 to 13.0 ft S3=18.0 to 20.0 ft S4=31.0 to 31.8 ft									
	l									1				ᆜ	_

Proj Clie Con	nt	Roch	ester		Electri		ester, New York			Sh Sta	art	No). 1 25	of Jan	uar	y 20			_
				Casing	Sam	pler Barrel	Drilling Equipmen	nt and Procedures		l	nish iller					y 20 wei			
Ham Ham	le Dia ımer V ımer F	meter (Veight	(in.)	- - - -	Macro	oCore -	Rig Make & Model: Geo Bit Type: MC Cutting S Drill Mud: - Casing: - Hoist/Hammer: PID Make & Model: RA	Shoe		H8 Ele Da	&A I eva atun	Rep).	S. 42 N	Pof 5.2	f Bar		Cana	1
(#	swo .		næ	€	g	VIS	SUAL-MANUAL IDENTIFICATIO			Gra	avel	_	Sand	_				Tes	t
Depth (1	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Fley/Denth (#)	USCS Symbol		(Color, GROUP NAME, ma structure, odor, moisture, opt GEOLOGIC INTERPR	tional descriptions		% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	
0 =		G1 41	0.0 4.0		SM	Brown to light odor, dry	nt brown silty SAND with grave	el, trace concrete, asphalt, PID = (10	10	10	10	45	15				
-				422.2 3.0 421.2 4.0		Gray-brown slike) odor, m	silty SAND with gravel, slight voist	weathered petroleum-like of PID = 2^4		5	10	10	5	50	20	-			
5 -		G2 28	4.0 8.0	419.2		Similar to G1	(below 3.0 ft), except slight or												
				6.0	SM	Brown to gra odor, moist	y-brown to yellow-brown silty \$	\overline{SAND} with gravel, $\overline{5\%}$ by $\overline{PID} = 0$		15	10	10	15	25	20	-			
10 –		G3 38	8.0 12.0	-	SM		2 (below 6.0 ft), except with lay- m approximately 10.0 to 10.3 ft												
-		G4 38	12.0 16.0	412.2 13.0	SM SC		3, except frequent cobbles, no ci -FILL- n to light brown clayey SAND v	PID = 0	/	10	15	10	10	25	630	-	-	-	_
15 -		G5 24	16.0 20.0	_	SC		4 (below 13.0 ft), except orange-	PID = (
			20.0	407.2 18.0	ĞW	Yellow-brow no sheen	n to light brown well-graded GI	\overrightarrow{RAVEL} with \overrightarrow{sand} , \overrightarrow{no} odd \overrightarrow{odd}		20	30	20	15	10	5				
20					<u> </u>		-ALLUVIAL DEP												-
Da	ate	Time			Dept ottom	h (ft) to: Bottom of Hole Wate	Sample ID O - Open End Rod T - Thin Wall Tube U - Undisturbed Sample	Well Diagram Riser Pipe Screen Filter Sand	Over		den	•	()		24.5	5		_	
1/2:	5/11	-			-	- 18.0 :		Cuttings Grout Concrete Bentonite Seal	Samı Bori			D .			7G G-1	LO-4	120		
Field	l Tests	:	1	Dilatan	icy: R -	Rapid S - Slow - Low M - Med	N - None Plastic	city: N - Nonplastic L - Lot trength: N - None L - Low							Verv	Hig	—— h		

HALEY GEOPROBE REPORT File No. 36492-007 Sheet No. 2 of Sampler Blows per 6 in. Stratum Change Elev/Depth (ft) Gravel Sand Field Test Sample No. & Rec. (in.) JSCS Symbol VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION Sample Depth (ft) Depth (ft) Toughness % Medium % Fine % Coarse % Coarse Plasticity Dilatancy Strength % Fines (Color, GROUP NAME, max. particle size*, % Fine structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) - 20 Similar to G5 (below 18.0 ft) G6 20.0 24.0 -ALLUVIAL DEPOSITS- $\begin{array}{c} 401.2 \\ 24.0 \\ 400.7 \\ 24.5 \end{array}$ 24.0 GP Yellow-brown to light brown GRAVEL with sand (decomposed rock), 40 35 10 5 5 5 G7 petroleum-like odor with naphthalene-like undertones, brown OLM DNAPL 2 24.5 partially coating surfaces of rock within fractures PID = 89.6 ppm-WEATHERED BEDROCK--Bottom of exploration at 24.5 ft Environmental Samples Collected: S1 = 3.0 to 5.0 ftS2 = 16.0 to 18.0 ft TG-10-42C **Boring No.** NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

18 Mar 1

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HA-TB+CORE+WELL-07-1.GDT

H&A-GEOPROBE-07-1 HAR HA-LIB07-R1.GLB

TG-10-42C

Proj		EY& RIC		on Form	er MG	P Site			DRAF	. 1							'G- 1		44	_
Clie	nt	Rocl	heste	r Gas & 1	Electri	c Cor		ser, frew Tork			Sta	art		26	Jan	uar				
				Casing	Sam	pler	Barrel	Drilling Equipmen	t and Procedures		1						-			
Турє	9			-	Macro	Core	-	_			Н8	kA I	Rep							
Insid	le Dia	meter	(in.)	_	1.	75	_		hoe		1							~~ (Cor	-01
Ham	ımer V	Veight	(lb)	-	-		-	Casing: -			\vdash			S				ge (Cai	Ia
Ham	nmer F	all (in	.)	-	-		-		E MiniRAE 3000											
£	Blows in.	٥٠(-	a) £	, €	Pag		VISL				_	vel			t				Tes	st
Depth (ft)	Sampler Blo per 6 in.	Sample No. & Rec. (in.)	Sample	Stratum Change	USCS Sym			structure, odor, moisture, opti	ional descriptions		% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Otronouth
0		G1	0.0	399.4				-TOPSOIL-												Ħ
		40	4.0	0.5	SM	Bro	wn silty SA	AND, no odor, moist	PID = 0	0 ppm	-	-	-	-	80	20	-	-	_	-
				396.6 3.3	SM			brown silty SAND with grave	el, trace CLM, slight acrid	odor,	5	15	10	15	35	20				<u> </u>
5 -		G2 42		1				(below 3.3 ft)	PID = 0	6 ppm										
				393.1 6.8 392.5			ck, CLM w	File No. 36492-007 Sheet No. 1 of 1 Start 26 January Finish 26 January 26 January 27 January 27 January 28 January 28 January 28 January 28 January 29 Janu				_								
		G3 36)		\	ilar to abov	ve (between 3.3 and 6.8 ft)	<u>PID</u> = 16	7 ppm/										
10 -				389.7 10.2	- _{SP}	Yell	low-brown	poorly-graded SAND with gra			15	20	25	15	20	5				 -
		G4 36							es, occasional spotty sheet	1							_			_
15 -				292.0		Not	e: Semi-pla	astic globule of TLM from app	•	7 ppm										
-		G5 38		16.0					milar to G4											Ī
				380.4 19.5					at 19.5 ft											
						S1=	=1.0 to 3.0	Samples Collected: ft												
L		W	ater I	 _evel Dat	ta	1		Sample ID	Well Diagram				Sum	ıma	rv	l	<u> </u>			_
Da	ate	Time	Ela	apsed B	Dept ottom	Bottor	n Water	O - Open End Rod T - Thin Wall Tube	Riser Pipe Screen			den	(ft)		19.5	5			
1/20	6/11	-		-	-	-	10.0 ±	S - Splitspoon Sample	Cuttings Grout Concrete		•		D.					14(
Field	l Tests	:		Dilatan	icy:R-	Rapid	S - Slow		city: N - Nonplastic L - Lo	w M-N	Medi	ım	H -							_
			ast Station Former MGP Site; Rochester, New York tochester Gas & Electric Corporation forthragic Drilling, Inc. Casing Sampler Barrel Drilling Equipment and Procedures		M - Me	ediun	n H	l - Hi	gh	V - \	Very	/ Hig	h		_					

H&A-GEOPROBE-07-1 HAR HA-LIB07-R1.GLB HA-TB+CORE+WELL-07-1.GDT G:\36492\007\2011-0201-36492-007 PROBES.GPJ

Clie			ester	Gas & 1	Electric		; Roches	ster, New York			She		No.	. 1 26 .	of Janı	uary)7 y 20 y 20			
			(Casing	Sam	oler	Barrel	Drilling Equipmer	nt and Procedures			ller				-	weit			
Тур	е			-	Macro	Core	-	Rig Make & Model: Geo			Н&	ΑF	Rep.		<u>S.</u>]	Pof	<u>f</u>			
Insid	de Dia	meter (in.)	-	1.7	5	-	Bit Type: MC Cutting S Drill Mud: -	hoe			evat	tion			0.2	Barg	70 (~an	•
Han	nmer V	Veight	(lb)	-	-		-	Casing: -		-		cati				Plan		3C (Jaii	<u>a</u>
Han		all (in.)	-	-		-	Hoist/Hammer: PID Make & Model: RA	E MiniRAE 3000		ı									
£	Sampler Blows per 6 in.		~ ₽	€	logi		VISU	AL-MANUAL IDENTIFICATIO			Gra	-	_	Sanc	į				Tes	ŧ
Depth (ft)	er Bl	ole N C. (ji	mple th (f	atum ange epth	Symbol			(Color, GROUP NAME, ma	x. particle size*.		arse	, n	Coarse	dium	ı aı	Se	ρς	ness	ity	4
Dep	ample	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	nscs			structure, odor, moisture, opt GEOLOGIC INTERPR	tional descriptions		% Coarse	, Fine	Co	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	of the state of
0 -	Sa			□	j š			-TOPSOIL-	·		<u>%</u>	%	%	%	<u>%</u>	<u>%</u>		ř	Δ.	=
		G1 45	0.0 4.0	399.4 0.8	SM	Ligh	t brown eil	-TOPSOIL-			\vdash	\dashv		\vdash	85	15	_		\dashv	_
				0.8	SIVI	Ligii	t biowii sii	ny SAND, no odor, moist			-	-	-	-	85	13	-	-	-	
				397.5 2.7	L	L					L			Ш						
				396.7	SP- SM	Ligh odor		porly-graded SAND with silt,	slight acrid/modeling glue	-like			20					-	-	•
		G2	4.0	3.5	SM	<u></u>	•		PID = 25	** /	-	10	15	15	30	15	-	-	-	
5 -		46	8.0					reen-gray silty SAND,10% Clut undertones, dry	LM, 5% brick particles, ac	rid										
-				394.2				· · · · · · · · · · · · · · · · · · ·	PID = 12	.1 ppm										
				6.0	SM		brown cla	nyey SAND, 5% brick particle	es, acrid odor with sweet		-	5	10	10	40	30	-1	-		
				392.9 7.3	ML	L			PID = 1		<u> </u>	_	10	10	30	50	_+	+		_
		G3	8.0					andy SILT, with decayed wood ash with sweet (glue-like) und		or						30				
		27	12.0	391.7 8.5	OL/ WF	\			PID = 11		ГТ	_		- †	_	_	-†	- †	- †	_
10 –					WF			RGANIC SILT and WOOD Fiveet (glue-like) undertones, m		ling										
10-				290.2					PID = 130	.8 ppm										
				389.2 11.0		sand	with grave	CLM and BRICK particles, ocel, musty/ash-like odor, wet a				_		- 	- +	_	-+	- +	- +	_
		G4 23	12.0 16.0			Silli	iar to G3 (below 11.0 ft)												
15-																				
		G5	16.0	_		Simi	lar to G4,	except with gravel/rock fill												
		14	18.5			Note	: Refusal a	nt 18.5 ft												
						11010	. Iterusur e													
				381.7 18.5				-FILL- -Bottom of exploration	a at 18.5 ft		\vdash	\dashv		\dashv	\dashv		\dashv		\dashv	_
						Envi	ronmental	•												
						S1=	4.0 to 6.0													
						S2=	8.0 to 10.0) ft												
		Wa	ter Le	vel Dat				Sample ID	Well Diagram			S	Sum	ma	ry					_
D	ate	Time	Elap Time	D		n (ft) Bottom		O - Open End Rod T - Thin Wall Tube	Riser Pipe Screen	Overb			` '	,	1	18.5	í			
	C 13.3		iiiie			of Hole	vvater	U - Undisturbed Sample	Filter Sand	Rock			(ft))		- -~				
1/2	6/11	-	-		-	-	15.8 ±	S - Splitspoon Sample G - Geoprobe	Grout	Samp						5G	Λ 4	160		_
								·	Concrete Bentonite Seal	Borii						J-1	0-4	ЮС	, 	
Field	d Tests			Dilatan	cy: R - 1	Rapid	S - Slow	N - None Plastic	city: N - Nonplastic L - Lo	w M-M	lediu	ım	H - I	High	i			n		

ŀ	IAL ILD	EY&	H	tion Former MGP Site: Rochester, New York er Gas & Electric Corporation the process of the prilling. Inc. Casing	RAF	:T	E	30	rin	g N	lo.	T	'G- 1	10-	480	С					
Clie		Roc	hester	Lation Former MGP Site: Rochester, New York steer Gas & Electric Corporation agle Drilling, Inc. Casing Sampler Barrel Drilling Equipment and Procedures		Sh Sta	eet art	t No). 1 27	Jan	1 uar	y 20									
			Station Former MGP Site: Rochester, New York hester Gas & Electric Corporation magle Drilling, Inc. Casing Sampler Barrel Drilling Equipment and Procedures Sheet No. Start 27 Finish 27 Driller	27			y 20 weit														
Han	de Dia nmer \	Veight	(lb)	- - -			- - -	Bit Type: MC Cutting Drill Mud: - Casing: - Hoist/Hammer:	g Shoe			Ele	eva	tion	1	S. 40	Pof 0.6 YS	f Bar			al
Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol		VISU	(Color, GROUP NAME, r structure, odor, moisture, o	max. partic	le size*, scriptions		Coarse	Fine	Coarse	% Medium	% Fine	% Fines		Ś	Plasticity ear	Strength
- 0 - - -		G1 42		400.3		Ligh	t brown to					-	-	-	-	75	25	-	-	-	-
- - - 5 -	_	G2 39		397.2 3.4 396.7 3.9	SM /	odor Darl trace	resembling gray to gray to gray to gray to gray to gray to gray to gray to gray to gray wood fibe	reen-gray silty SAND, apprers, moderate musty/acrid o	e-like unde	ertones, dry $\underline{PID} = 13$ 30% CLM particle bling wet ash with	.4 ppm es, sweet			20 10	25 20	40 20	10 15			- <u>-</u> -	
- - - 10 -	_	G3 28		393.1 7.5		70% swee) with silt et to glue-li	and sand, moderate musty/a ike undertones	acrid odor	CINDERS (approximates) resembling wet as PID = 2 ately 10.5 ft	mately h with	-		5	5	10	10	-			
- -		G4 30		388.6 12.0	### File N Scheeter Corporation Start Finish Shee Start Finish Shee Start Finish Shee Start Finish Shee Start Finish Shee Start Finish Shee Start Finish Shee Start Finish Shee Start Finish Shee Start Finish Shee Start Finish Shee Start Finish Shee							_	_	_							
- - 15 -	_			14.0		FIBI	ERS, slight	t sheen throughout, strong n	nusty/acrid	l odor resembling										_	
-		G5 12					,		wood fibe	ers											_
				382.1 18.5		S1=	1.0 to 3.0	-Bottom of explorat Samples Collected: ft		i ft											
		14,	otor '	D-1				1 2		/oll Diagrams				<u> </u>							_
	oate 27/11		Elap	osed Bo	Dept	Botton	Water	O - Open End Rod T - Thin Wall Tube U - Undisturbed Sample S - Splitspoon Sample	[9: 9i; 6]	Riser Pipe Screen Filter Sand Cuttings Grout	Rock Sam	c Co ples	den rec	n (ft d (ft	:)	1	18.5 - 5G		10.5		
	d Tests		particl	Toughr	iess: L	- Low	M - Mediu	N - None Plas m H - High Dry	sticity: No	Bentonite Seal - Nonplastic L - Lo N - None L - Low	w M - N	Mediu	ım	Н-		1		(0- 4 / High		<u></u>	_
	1816		East Station Former MGP Site: Rochester, New York Rochester Gas & Electric Corporation Nothingle Drilling, Inc. Casing Sampler Barrel Drilling Equipment and Procedures	by Hale	y &	Alc	dric	h, Ir	ıc.				_	_							

H&A-GEOPROBE-07-1 HAR HA-LIB07-R1.GLB HA-TB+CORE+WELL-07-1.GDT G;36492/0072011-0201 36492-007 PROBES.GPJ

Proj Clie Con	nt	Rock	nester	Gas &	Elec	tric C		ster, New York			Sh Sta		No	. 1 27 .		2 ary	201 201		
		Rochester Gas & Electric for Nothnagle Drilling, Inc. Casing Sampl - MacroC iameter (in.) - 1.75 Weight (lb)	ample	er Barrel	Drilling Equipment	t and Procedures			ller				-	eitz					
Туре	е		Casing Sampler Barrel Barrel Sampler Barrel Sampler Barrel Sampler Barrel Sampler Barrel Sampler Barrel Sampler Sa	ore -	_ =					₹ер		S. F				_			
Insid	le Dia	meter	Casing Sampler Barrel - MacroCore - Rig Bit Original (In.) - 1.75 - Drift All (In.) - 1.75 - Dr			noe			eva itun	tion		405		arge	C	'n			
Ham	nmer \	Rochester Gas & Electric Coctor Nothnagle Drilling, Inc. Casing Sampler - MacroCon 1.75 Pre Weight (lb) Pre Fall (in.) Given Fall (i	-	Casing: -					ion	Se	e P		argu	. Ca	,11				
Ham	nmer F	Rochester Gas & Electric C Nothnagle Drilling, Inc. Casing Samples - MacroCo Diameter (in.) - 1.75 Iter Weight (lb)	-		E MiniRAE 3000														
£	SMC	Rochester Gas & Electric Conditions, Inc. Casing Sampler - MacroConditions, Inc. Casing Sampler - MacroConditions, Inc. 1.75 er Weight (lb)	VISU				Gra	ivel		Sand				d Te	es				
Depth (ft)	er Bl	Rochester Gas & Electric Connector Nothnagle Drilling, Inc. Casing Sampler - MacroCore 1.75 er Weight (lb)		(Color, GROUP NAME, max	c. particle size*.		arse	a)	Coarse	% Medium	a)	SO	Dilatancy		5				
Dep	ample per	Rochester Gas & Electric Content Nothnagle Drilling, Inc. Casing Sample - MacroContent (in.) Incr Weight (lb) Incr Fall (in.) Grad Barbard School Schoo		structure, odor, moisture, optic	onal descriptions		% Coarse	Fine	Ö	Me	% Fine	% Fines	Dilatancy	Plasticity	ומסנוטונץ				
0 -	Š	Rochester Gas & Electric Corporactor Nothnagle Drilling, Inc. Casing Sampler B					%	%	%	%	%	% () F	- 0					
		East Station Former MGP Site; Rochester, New York Rochester Gas & Electric Corporation r Nothnagle Drilling, Inc. Casing Sampler Barrel Drilling Barrel Bit Type; MC Bit Type; MC Drill Mud: - Casing; - Hoist/Hammer: Ho		no odor, dry		-	-	-	-	90	10	- -	-	1					
		East Station Former MGP Site; Rochester, New York Rochester Gas & Electric Corporation or Nothnagle Drilling, Inc. Casing		PID = 0	.0 ppm														
			Testation Former MGP Site; Rochester, New York thester Gas & Electric Corporation hangle Drilling, Inc. Casing Sampler Barrel Drilling Equipmer																
								arriel Drilling Equipment and Procedures - Rig Make & Model: Geoprobe 6610DT Bit Type: MC Cutting Shoe Drill Mud: Casing: - Hoist/Hammer: PID Make & Model: RAE MiniRAE 3000 VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) -TOPSOIL- Town poorly-graded SAND with silt, no odor, dry PID : to G1 to G1 to G2 (below 5.5 ft) PID : -FILL- TOOD FIBERS, petroleum/naphthalene-like odor, wet, shee odor, petroleum/naphthalene-like odor, wet, shee odor, possible trace black TLM coating on surfaces Sample ID -FILL- TOOD FIBERS, petroleum/naphthalene-like odor, wet, shee odor, possible trace black TLM coating on surfaces Sample ID -FILL- TOOD FIBERS, petroleum/naphthalene-like odor, wet, shee odor, possible trace black TLM coating on surfaces Sample ID -FILL- TOOD FIBERS, petroleum/naphthalene-like odor, wet, shee odor, possible trace black TLM coating on surfaces Sample ID -FILL- TOOD FIBERS, petroleum/naphthalene-like odor, wet, shee odor, possible trace black TLM coating on surfaces Sample ID -FILL- TOOD FIBERS, petroleum/naphthalene-like odor, wet, shee odor, wet, shee odor, wet, shee odor, possible trace black TLM coating on surfaces -FILL- TOOD FIBERS, petroleum/naphthalene-like odor, wet, shee o											
								Drilling Equipment and Procedure Rig Make & Model: Geoprobe 6610DT Bit Type: MC Cutting Shoe Drill Mud: - Casing: - Hoist/Hammer: - PID Make & Model: RAE MiniRAE 3000 ISUAL-MANUAL IDENTIFICATION AND DESCRIPT (Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) -TOPSOIL- In poorly-graded SAND with silt, no odor, dry P 31 32 (below 5.5 ft) P 33, except wet at approximately 14.0 ft P -FILL- D FIBERS, petroleum/naphthalene-like odor, wet, possible trace black TLM coating on surfaces Sample ID O - Open End Rod T - Thin Wall Tube U - Undisturbed Sample S - Splitspoon Sample G - Geoprobe B Sample ID O - Open End Rod T - Thin Wall Tube U - Undisturbed Sample G - Geoprobe S - Splitspoon Sample G - Geoprobe B Screen Countries Cuttings Grout Grout Grout Bentoni											
								Drilling Equipment and Procedures Rig Make & Model: Geoprobe 6610DT Bit Type: MC Cutting Shoe Drill Mud: - Casing: - Hoist/Hammer: PID Make & Model: RAE MiniRAE 3000 L-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max. particle size*, tructure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) -TOPSOIL- rly-graded SAND with silt, no odor, dry PID = 0 PID = 0 PID = 1 PID = 1 PID = 1 PID = 2 PID = 1 PID = 2 PID = 2 PID = 1 PID = 2 PID = 2 PID = 2 PID = 2 PID = 1 PID = 2 PID = 2 PID = 2 PID = 2 PID = 2 PID = 2 PID = 2 PID = 2 PID = 2 PID = 3 PID = 2 PID = 2 PID = 3 PID											
								Drilling Equipment and Procedures Rig Make & Model: Geoprobe 6610DT Bit Type: MC Cutting Shoe Drill Mud: - Casing: - Hoist/Hammer: PID Make & Model: RAE MiniRAE 3000 LL-MANUAL IDENTIFICATION AND DESCRIPTION (Color, GROUP NAME, max, particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) -TOPSOIL- wrly-graded SAND with silt, no odor, dry PID = 0.0 p reflow-brown to gray-brown silty SAND with gravel, 10% tet fragments, 10% CLM particles, no odor, dry PID = 2.4 p elow 5.5 ft) PID = 1.9 p except wet at approximately 14.0 ft PID = 2.2 p -FILL- BEERS, petroleum/naphthalene-like odor, wet, sheen ible trace black TLM coating on surfaces Sample ID O - Open End Rod T - Thin Walthrobed Sample S - Splitspoon Sample G - Geoprobe Plasticity: N - Nonplastic L - Low Plasticity: N - Nonplastic L - Low Plasticity: N - Nonplastic L - Low											
				ion Former MGP Site; Rochester Gas & Electric Corporation le Drilling, Inc. Casing Sampler Barrel - MacroCore 1.75 1.75 - 1.75															
5 -			East Station Former MGP S Rochester Gas & Electric C Nothnagle Drilling, Inc. Casing Sampler MacroCo neter (in.) - 1.75 All (in.) - 1.7																
		East Station Former MGP S Rochester Gas & Electric Cor Nothnagle Drilling, Inc. Casing Sampler	ight brown to	vellow-brown to gray-brown s	silty SAND with gravel 1	<u>0%</u> — —	10	15	10	10	20	15	+	<u> </u>	+				
			East Station Former MGP Si Rochester Gas & Electric Co Nothnagle Drilling, Inc. Casing Sampler			ticles, no odor, dry		10	10	10	10								
				ation Former MGP Site; Rocheter Gas & Electric Corporation gle Drilling, Inc. Casing Sampler Barrel			PID = 2	.4 ppm											
				Station Former MGP Site; Roester Gas & Electric Corporationagle Drilling, Inc. Casing Sampler Bar															
			ast Station Former MGP Sochester Gas & Electric Continuage Drilling, Inc. Casing Sampler																
Ī			East Station Former MGP State Station Former MGP State Station Former MGP State Station Former MGP State Station Former MGP State Station Former MGP State Station Former MGP State State Station Former MGP State	Similar to G2 (below 5.5 ft)	PID = 1	9 nnm												
		24	t Station Former MGP Site chester Gas & Electric Corphnagle Drilling, Inc. Casing Sampler			$\mathbf{IID} = \mathbf{I}$. У ррш												
				tion Former MGP Site; Roches er Gas & Electric Corporation gle Drilling, Inc. Casing Sampler Barrel															
10 -					Former MGP Site; Rochester, New is & Electric Corporation rilling, Inc. Sing Sampler Barrel														
						Sampler Barrel Drilling E MacroCore - Rig Make & Mo Bit Type: MC 1.75 - Drill Mud: - Casing: - Hoist/Hammer: PID Make & Mo Structure, odor, mo GEOLOGIC SP-SM Light brown poorly-graded SAND SM Similar to G1 SM Similar to G2 (below 5.5 ft) SM Similar to G2 (below 5.5 ft) SM Similar to G3, except wet at approximately a sample I Depth (ft) to: Of Open End R To Thin Wall To U - Undisturbed To Hole To													
			Total Part Tot																
		SM SM 400.3																	
1		390.6 15.2 SM Si	Similar to G3,	except wet at approximately 1															
		32	Side 400.3 Side			PID = 2	.2 ppm												
			1																
		SM SM SM SM SM SM SM SM																	
		SM SM 400.3																	
15 -				390.	6														
				15.	2														
Į.		G3		1					Sum	mar					_				
D,	ate	G2 4.0 SP- SM SM SM SM SM SM SM SM			Riser Pipe	Overl	burc				•	21			_				
	ate	Table Color Table Tabl			T - Thin Wall Tube	1	Rock			` .	,	-	-						
1/2	7/11	G1			S - Splitspoon Sample	<u>Cuttings</u>	Samp			Ì		5	5G						
		Rochester Gas & Electric Cotor Nothnagle Drilling, Inc. Casing Sample MacroCotor Macro		G - Geoprobe	Concrete	Bori	ng	No). 		TG	-1()-52	\mathbf{C}^{-}	_				
Eio!~	i Tooto	G2	R - Rai	nid S - Slow	N - None Plastic						Hiah								
rieio	ııests	Water Level Data Time Elapsed Depth (f Bottom Bottom of Casing of H	p.u 0 - 010W										1:1-						

			EY&	E H			GEOPROBE REPORT DRAFT	Boring No. TG-10-52C File No. 36492-007 Sheet No. 2 of 2														
3 S S S S S S S S S S S S S S S S S S S					(ft)	(E) Q VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION							Field T				st					
Depth (ft) Sampler Blows per 6 in. Sample No. & Rec. (in.) Sample Depth (ft) Stratum Change Elev/Depth (ft)				Sample Depth (ft	Stratum Change Elev/Depth	USCS Sym	(Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength					
-			G5 36	16.0 20.0	389.3 16.5		Similar to G4 (below 15.2 ft) Black CLM and BRICK particles with silt and sand, wet, rainbow sheens common, black to dark brown TLM coating most surfaces PID = 28.6 ppm PID = 215.8 ppm	-	-	-	-	10	15	-		_	-					
- 2	20 —		G6 10	20.0 21.0	384.8 21.0		Similar to G5 (below 16.5 ft) -FILLBottom of exploration at 21.0 ft															
							Environmental Samples Collected: S1 = 12.0 to 14.0 ft				Na		T	G-1	0-5.	2C						
NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc. Boring No.													T	TG-10-52C								

18 Mar 11

H&A-GEOPROBE-07-1 HAR HA-LIB07-R1.GLB HA-TB+CORE+WELL-07-1.GDT G;38492/007/2011-020136492-007 PROBES.GPJ

F	IAL LD	EY& RICI	z H			GEOPROBE REPORT DRAFT					Boring No. TG-10-55C												
Project East Station Former MGP Site; Rochester, New York Client Rochester Gas & Electric Corporation Contractor Nothnagle Drilling, Inc.												File No. 36492-007 Sheet No. 1 of 2 Start 25 January 2011 Finish 25 January 2011											
Casing Sam						pler Barrel Drilling Equipment and Procedures						Driller J. Schweitzer											
Type - Macro													Rep		S .]	Pof	f						
Inside Diameter (in.)					1.7	5	-	Bit Type: MC Cutting Shoe Drill Mud: -				eva tun	tion		41 NX	Cana	1						
Hammer Weight (lb) -						_ Casing: -							ion	Se	ee F			3C C	alla	11			
Han		all (in	.)	-	-		-	Hoist/Hammer: PID Make & Model: RAI															
t	TID WINDS WINDS WARE WINDS										Gra	avel		Sanc	i				Test	í			
Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft) Stratum Change Elev/Depth (ft)			(Color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)							% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength			
- 0 -		G1	0.0			-TOPSOIL- (frozen)																	
-		33	4.0	411.2 0.7	SM	Light	brown si	lty SAND, occasional root fibe	.0 ppm	-	-	-	5	75	20	-	-	-	-				
-				408.6													_	_	-+				
-		G2	4.0			Black CLM and COAL CINDERS (sand- and fine gravel-sized particles																	
		24	8.0				nate), no		PID = 0														
- 5 -									110 - 0	.5 ррш													
- - - 10 -		G3 22	8.0 12.0	-		Simil	ar to G2		PID = 0	.3 ppm													
-		G4 28	12.0 16.0			Simil	ar to G3		PID = 1	.0 ppm													
- 15 -								-FILL-															
Water Level Data Sample ID Well Diagram											Summary												
Date		Time	Elap Time	(hr Bo	ottom	h (ft) Bottom of Hole	1 Water	T - Thin Wall Tube				erburden (ft) ck Cored (ft)			25.5								
1/2	5/11	-	-		-	-	18.6 ±	U - Undisturbed Sample S - Splitspoon Sample	Cuttings	Samp	` '			<i>,</i>		7G							
								G - Geoprobe Grout Concrete Boi		Bori	ring No.				TG-10-55C								
Field Tests: Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High																							
*No	te: Ma			size is	determi	ned by	direct ob	m H - High Dry Str servation within the limitation sual-manual methods of th	s of sampler size.							very	пıgı		_				

H&A-GEOPROBE-07-1 HAR HA-LIB07-R1.GLB HA-TB+CORE+WELL-07-1.GDT G\38492\0072011-0201 36492-007 PROBES.GPJ

Boring No. HALEY& **GEOPROBE REPORT** File No. 36492-007 Sheet No. 2 of Stratum Change Elev/Depth (ft) Sampler Blows per 6 in. Field Test Sample No. & Rec. (in.) JSCS Symbol Gravel Sand VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION Sample Depth (ft) Depth (ft) Toughness % Medium Coarse % Coarse Plasticity Dilatancy Strength (Color, GROUP NAME, max. particle size*, % Fine % Fine structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) 15 395.9 16.0 Similar to G4, except slight weathered petroleum-like odor 16.0 G5 PID = 21.6 ppm29 20.0 Similar to above, except slight weathered petroleum/naphthalene-like odor, wet, slight sheen PID = 68.6 ppm392.2 19.7 -FILL-SM 15 15 10 10 20 30 - 20 Light brown silty SAND with gravel, frequent pockets and seams stained 20.0 G6 gray, weathered petroleum-like odor with naphthalene-like undertones, slight 24.0 sheen PID = 71.2 ppm389.9 22.0 Black poorly-graded SAND with silt and gravel, black stained, SP-10 20 10 15 35 10 petroleum/naphthalene-like odor, wet, slight sheen, occasional blebs of black SM TLM, black TLM occasionally present as coating on particles PID = 205 ppm-ALLUVIAL DEPOSITS-G7 15 387.6 24.3 24.0 SC Yellow-brown clayey SAND, occasional seam with gray stain, slight odor, 10 25 65 25.5 moist - 25 PID = 49.9 ppm386.4 25.5 Note: Refusal at 25.5 ft -WEATHERED BEDROCK--Bottom of exploration at 25.5 ft Environmental Samples Collected: S1 = 16.0 to 18.6 ft S2 = 19.7 to 22.0 ft S3 = 22.0 to 24.3 ft TG-10-55C Boring No.

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

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HA-TB+CORE+WELL-07-1.GDT

H&A-GEOPROBE-07-1 HAR HA-LIB07-R1.GLB

TG-10-55C

Proje	LD ect t	Rocl	Stationester	Gas & I	Electric	Site;	Roches	Ster, New York	DRAM	- 1	File Sh	e N	o. No	36 . 1	492 of	2-00	17		560	_
Conti	racto	r Noth	inagle	Drilling	g, Inc.							art nish				-	y 20 y 20			
			(Casing	Samp	ler l	Barrel	Drilling Equipmer	nt and Procedures			iller					veit			
Туре				- :	MacroC	Core	-	Rig Make & Model: Geo			_		Rep			Pof				_
Inside	e Diar	meter	(in.)	-	1.75	5	-	Bit Type: MC Cutting S Drill Mud: -	snoe		ı	eva itun	tion n			5.9 YS 1	Barg	re C	lan.	al
Hamn	ner V	Veight	(lb)	-	-		-	Casing: -			-	cat		Se		lan		,• •	-	
		all (in	.)	-	-		-	Hoist/Hammer: PID Make & Model: RA	E MiniRAE 3000											
æ	ows	No. in.)	⊕Ê	L G	Symbol		VISU	JAL-MANUAL IDENTIFICATIO	ON AND DESCRIPTION		_	avel	_	Sand	t			eld ်	Tes	t
Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Syr			(Color, GROUP NAME, ma structure, odor, moisture, opi GEOLOGIC INTERPR	tional descriptions		% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Stranoth
0 —		G1 23	0.0 4.0	415.6 0.3	SP- SM	Gray-b	prown po	-BITUMINOUS COI porly-graded SAND with silt a		0.0 ppm	20	20	15	10	25	10	-	-	-	_
				413.9 2.0	SP- SM	Brown	poorly-g	graded SAND with silt, no od	or, dry PID = 0	 0.0 ppm		10			75	10		+		
		G2 36	4.0 8.0		SP- SM	Simila	r to G1 ((below 2.0 ft), except trace br	ick											
5 -				410.9 5.0				to beige LIME, no odor to slig y, granular, reactive with HCl		.4 ppm		5	10	25	55	5	+	-+		_
		G3 40	8.0 12.0	407.4 8.5	SM			(below 5.0 ft), except gray	or, dry PID = 0		<u> </u>	10	20	20	35	15				
10 -				405.2				-FILL-	FID – (.о ррш										
				405.2 10.7	SP	Black	poorly-g	raded SAND, petroleum-like			-	5	20	35	35	5	-	-	-	-
				404.2 11.7					PID = 77		L	L.	L		_					_
		G4 38	12.0 16.0	11.7	SM	Black s wet, sh	•	ND, petroleum-like odor with	naphthalene-like underton PID = 46		-	-	-	-	80	20	-	-	-	-
15 -				400.9 15.0		Black	silty CL	-ALLUVIAL DEP							20	75		+		
							-		PID = 14	.6 ppm										
		W	ater Le	evel Data	a			Sample ID	Well Diagram				Sum	ma	ry				=	Ξ
Dat	te	Time		sed (hr.) Bo	Depth ottom B	(ft) to Bottom		O - Open End Rod T - Thin Wall Tube	Riser Pipe Screen	Over			•		2	20.8	3			
1/26	/1.1		11116			f Hole	Water	U - Undisturbed Sample	Filter Sand Cuttings	Rock Sam			(ft)		- 6G				
1/26/	111	-			-	-	10.7 ±	S - Splitspoon Sample G - Geoprobe	Grout Concrete	Bori) .			6G G-1	0-5	6C	•	
									Bentonite Seal											_
Field	Tests	:							city: N - Nonplastic L - Lo trength: N - None L - Low											

Boring No. **HALEY** GEOPROBE REPORT File No. 36492-007 Sheet No. 2 of Stratum Change Elev/Depth (ft) Sampler Blows per 6 in. Gravel Sand Field Test Sample No. & Rec. (in.) **USCS Symbol** VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION Sample Depth (ft) Depth (ft) Toughness % Medium % Coarse % Coarse Plasticity Dilatancy Strength % Fines (Color, GROUP NAME, max. particle size*, % Fine % Fine structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) Similar to G4 (below 15.0 ft) G5 16.0 PID = 12.7 ppm35 20.0 397.7 18.2 397.2 SM Black silty SAND, strong petroleum-like odor with naphthalene-like undertones, wet, grains generally coated with black TLM ML 5 10 80 5 PID = 422.3 ppm-ALLUVIAL DEPOSITS-Yellow-brown SILT with sand, compact, well bonded in-situ, no odor, wet -20 G6 PID = 22.4 ppm20.0 395.4 20.5 395.1 20.8 -GLACIAL TILL-6 20.8 Note: Refusal at 20.8 ft -WEATHERED BEDROCK--Bottom of exploration at 20.8 ft Environmental Samples Collected: S1 = 5.0 to 8.0 ftS2 = 15.0 to 18.0 ft TG-10-56C **Boring No.** NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

18 Mar 1

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HA-TB+CORE+WELL-07-1.GDT

H&A-GEOPROBE-07-1 HAR HA-LIB07-R1.GLB

TG-10-56C

Proj Clie Con	nt	Roch	ester		Electric		e; Roches poration	ster, New York			File Sh Sta Fin	eet art	No	. 1 27	Janı	2 uary)7 y 20 y 20			
			(Casing	Sam	pler	Barrel	Drilling Equipmer	nt and Procedures		Dri						y 20 weit			
Ham	le Dia Imer V Imer F	meter (Veight Fall (in.	(lb)		Macro 1.7 - -		- - -	Rig Make & Model: Geo Bit Type: MC Cutting S Drill Mud: - Casing: - Hoist/Hammer: - PID Make & Model: RA	Shoe		Ele Da	eva Itun	Rep tion n ion		40		Bar	ge (Car	ıal
£	SWC	9 (;	 ⊋	#			VISU	IAL-MANUAL IDENTIFICATIO			Gra	vel	_	Sanc	t			ield		st
Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (#)	USCS Symbol			(Color, GROUP NAME, ma structure, odor, moisture, opt GEOLOGIC INTERPR	ional descriptions		% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0 +		G1 39	0.0 4.0	406.0 0.4	SM		wn silty SA ft, no odor	-TOPSOIL- ND with gravel, frequent brid , moist			10	10	20	15	20	25	-	-	-	-
		G2	4.0	403.4 3.0 401.9		dry		o white LIME and CLM with	PID = 0	0.0 ppm									_	_
5 -		25	8.0	4.5	SM	Gra moi		ty SAND with gravel, trace li	me, CLM, slight musty of	dor,	10	20	15	20	20	15	-1	-	-	r
				400.9	CL	Yell	ow-brown	to brown CLAY with sand, no		0.0 ppm _/ 0.0 ppm	_			5	20	75	-		-	-
		G3 0	8.0 12.0			No	recovery, v	very loose materials												
10 -				396.4 10.0		Not	e: Stratum a	-FILL- at 10.0 ft estimated/inferred												
		G4 40	12.0 16.0		CL	Oliv	e-brown to	tan silty CLAY, laminated, r	no odor, wet PID = 0	0.0 ppm	-	-	-	-	5	95	-	-	-	-
15 -		G5 46	16.0 20.0	390.4 16.0	ML	Yell	ow-brown	to light brown sandy SILT, no	o odor, wet, no sheen PID = 0	— — — — 0.0 ppm			5	10	35	50	-			_
				388.4 18.0	GW	1		to gray-brown well-graded Gl or, wet, no sheen -ALLUVIAL DEP	•	 ent	30	25	25	10	5	5	_		-	<u>_</u>
20		\/\/=	ater I 4	evel Dat	a			Sample ID	Well Diagram	T		c	Sum	ıma	rv		<u> </u>		<u>_</u>	<u>_</u>
	ate 7/11	Time		sed B	Dept ottom	h (ft) Bottor of Hol	n Water	O - Open End Rod T - Thin Wall Tube U - Undisturbed Sample S - Splitspoon Sample	Riser Pipe Screen Filter Sand Cuttings Grout	Over Rock Samp	Со	den red	(ft)	2	21.5 - 6G				
	Tests				cy: R-			G - Geoprobe	Concrete Bentonite Seal city: N - Nonplastic L - L		_					G-1	10-5	5 7 (_

TG-10-57C **Boring No.** HALEY& ALDRICH GEOPROBE REPORT File No. 36492-007 Sheet No. 2 of 2 Stratum Change Elev/Depth (ft) Sampler Blows per 6 in. Sample No. & Rec. (in.) **USCS Symbol** Gravel Sand Field Test VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION Sample Depth (ft) Depth (ft) Toughness % Medium % Coarse % Coarse Dilatancy Plasticity Strength % Fines (Color, GROUP NAME, max. particle size*, % Fine % Fine structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) - 20 Similar to G5 (below 18.0 ft) G6 20.0 PID = 0.0 ppm21.5 Note: Refusal at 21.5 ft 384.9 21.5 -ALLUVIAL DEPOSITS--Bottom of exploration at 21.5 ft Environmental Samples Collected: S1=3.0 to 4.5 ft S2=5.5 to 7.5 ft TG-10-57C Boring No. NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

18 Mar 1

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HA-TB+CORE+WELL-07-1.GDT

H&A-GEOPROBE-07-1 HAR HA-LIB07-R1.GLB

Ā	LD	RICI	Ĭ				GEO	PROBE REPOR	DRAF	- 1	<u>'</u>		;	<u> </u>	10.		j -1(J- 3(,c
Pro Clie Cor	nt		ester (Gas & 1	Electri		e; Roches	ster, New York			Sh	art	No	. 1 21 .	of Janu	ary	201 201		
			C	Casing	Sam	pler	Barrel	Drilling Equipmen	t and Procedures			nish iller				•	201 eitze		
Тур	е			-	Macro	Core	-	Rig Make & Model: Geo	-		Н8	&A I	Rер		S. I	off			
Insid	de Dia	meter (in.)	_	1.3	75	-	Bit Type: MC Cutting S Drill Mud: -	hoe		l .	eva atun	tion		410		lorac	. Co	no
Han	nmer \	Veight	(lb)	-	-		-	Casing: -			-	cat		Se	ee P		arge	Ca	IIa
Han		Fall (in.)	-	-		-	Hoist/Hammer: PID Make & Model: RA	E MiniRAE 3000										
ť)	swo .		or£-	£	Symbol		VISU	JAL-MANUAL IDENTIFICATIO			-	avel		and	t			ld Te	est
Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Syn			(Color, GROUP NAME, ma: structure, odor, moisture, opti GEOLOGIC INTERPR	ional descriptions		% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Plasticity	
0 -	-	G1	0.0	416.0				-TOPSOIL-						10	(0)	25	丰		Ī
		25	4.0	0.3	SM		vn to yello layered fil	w-brown to gray silty SAND, ls	trace gravel, asphalt, no	odor,	-	-	3	10	60	25	- -	-	
						ury,	iayered iii	10	PID = 0	.1 ppm									
5 -		G2 30	4.0 8.0	412.3 4.0	SM	Simi	llar to G1,	except 5% brick, 5% CLM fro	om approximately 4.0 to PID = 0		-	_	5	10	55	20		. —	
				408.9 7.4 408.3		Ligh	it gray to w	white LIME, trace CLM, react	ive with HCl, no odor, mo					_	-		+	+	_
		G3 20	8.0 12.0	8.0		Simi	lar to abov	ve, except trace LIME	PID = 0	/									
10 -				406.3		<u> </u>						L							
10				10.0	ML			to gray-brown to olive-brown odor, wet, no sheen	sandy SILT, slight weather $PID = 0$		-	-	5	10	35	50	- -	-	-
		G4 29	12.0 16.0			Simi	ilar to G3 (below 10.0 ft)											
				401.8 14.5				-FILL-											
15-				14.5	ML			to light brown SILT with sand nately 1 in. thick), slight odor		•	-	-	-	-	20	80	- -	-	-
		١٨/ء	iter I o	vel Dat	<u> </u>			Sample ID	Well Diagram				Sum	ma	rv		<u>_</u>		
	ate	Time	Elap	sed	Dept	h (ft)		Sample ID O - Open End Rod	Riser Pipe	Over	bur					7.4			_
	ui c	Time	Time		ottom Casing	Botton of Hole		T - Thin Wall Tube U - Undisturbed Sample	Screen Filter Sand	Rock			• •		•	-			
1/2	1/11	-	-		-	-	10.0 ±	S - Splitspoon Sample G - Geoprobe	Grout Concrete	Sam).			5G 3-1 (0-58	BC	
Field	d Tests			Dilatan	cv: R-	Rapid	S - Slow	N - None Plastic	Bentonite Seal					High	1				
				Toughr	ness: L	<u>- Low</u>	M - Mediu		rength: N - None L - Low							ery l	<u>-ligh</u>		_

Boring No. **HALEY** GEOPROBE REPORT File No. 36492-007 Sheet No. 2 of 2 Stratum Change Elev/Depth (ft) Sampler Blows per 6 in. Gravel Sand Field Test Sample No. & Rec. (in.) **USCS Symbol** VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION Sample Depth (ft) Toughness % Medium % Coarse % Coarse Plasticity Dilatancy Strength % Fines (Color, GROUP NAME, max. particle size*, % Fine % Fine structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) Similar to G3 (below 14.5 ft) G5 16.0 -ALLUVIAL DEPOSITS-12 17.4 399.5 16.8 ML Light brown SILT (completely weathered shale), occasional seam (<1/16 in. 10 90 398.9 17.4 thick) with gray stain, slight odor, dry PID = 1.4 ppmNote: Refusal at 17.4 ft -WEATHERED BEDROCK--Bottom of exploration at 17.4 ft Environmental Samples Collected: S1 = 5.0 to 7.5 ft S2 = 10.0 to 12.0 ft TG-10-58C **Boring No.** NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

18 Mar 1

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HA-TB+CORE+WELL-07-1.GDT

H&A-GEOPROBE-07-1 HAR HA-LIB07-R1.GLB

TG-10-58C

Project Client Contract	East Roc	Statio hester	Gas & I	Electric	Site; Rocher Corporation	ster, New York	DRAF		Sh	e N eet art	No). 1 26		2 uar	y 20			
			Casing	Samp	oler Barrel	Drilling Equipmer	nt and Procedures		1	nish iller					y 20 weit			
Туре				Macro(Rig Make & Model: Geo			-	illei &A F			S. 3			ZCI		
Inside Dia	ameter	(in)	_	1.7		Bit Type: MC Cutting S				eva				9.4				
Hammer		` ′	_	- 1.7.	_	Drill Mud: - Casing: -			_	atun cati			ee F			ge (Cana	l
Hammer	Fall (in	ı.)	-	_	_	Hoist/Hammer: PID Make & Model: RA	E MiniR A E 3000			out	.0	5	JC 1	ian	ı			
t)	و <u>(.</u>	# £	£	l Ig	VISL	JAL-MANUAL IDENTIFICATION			Gra	avel		Sand	_				Test	-
Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (USCS Symbol		(Color, GROUP NAME, ma structure, odor, moisture, opt GEOLOGIC INTERPR	tional descriptions		% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	1111111
0	G1 43	0.0		SW	Light gray-bro	own well-graded SAND with g	ravel, no odor, dry PID = 0	.0 ppm	10	20	20	25	20	5	-	-	-	
		4.0	417.4 2.0	_SM_	CLM, trace co	k silty SAND with gravel, 20% oncrete, no odor, dry			10	20	20	25	20	5				
5 -	G2 29	4.0 8.0	412.7 6.7	SM SM	Similar to G1	to light brown silty SAND, no	o odor, moist			10	20	20	30	20				
				SIVI	T CHOW-DIOWH		PID = 2	.6 ppm	-	10	20	20	30	20		-		
	G3	8.0	411.4 8.0	MH	Brown to gray-	-FILL- -brown ELASTIC SILT, sligh	t organic odor, moist		-	-	-	-	5	95	-	-	+	-
10 –	48	12.0	410.6	ML		-brown sandy SILT, some stai	$\underline{\hspace{0.2cm}} PID = 7$	odor,				5	30	65	_		-+	-
			409.1 10.3	SM		Ity SAND, petroleum-like odo et, sheen throughout, trace bro	or with possible garlic-like	rfaces					75	25	-	-	-+	_
	G4 46	12.0 16.0		SM	Similar to G3	(below 10.3 ft), except coarser -ALLUVIAL DEP			-	10	20	25	30	15	-	-	-	_
			405.9 13.5 404.4	SM		to black silty SAND with graveke undertones, sheen throughout	vel, petroleum-like odor w		20	10	10	5	20	35	-	-	-	
15 –			15.0	SM	Similar to above	ve, except black, some black T	LM coating particles		-				ГТ			- †	-+	
	G5 25	16.0 20.0		SM	Similar to G4	(below 13.5 ft)	PID = 144	.2 ppm										
			400.4 19.0			-GLACIAL TI	LL-										4	-
20										<u></u>								-
	W		evel Data		ı (ft) to:	Sample ID	Well Diagram Riser Pipe					nma						
Date	Time	Elap	(hr.) Bo	ottom E	Bottom Water	U - Undisturbed Sample	Screen Filter Sand	Over	Со	red	•	•		-				
1/26/11	-			-	- 10.3 ±	S - Splitspoon Sample G - Geoprobe	Grout Concrete	Sam) .			6G G-1	10-6	6 8 C		-
Field Test			Diloton	D F	Rapid S - Slow	N. N	Bentonite Seal City: N - Nonplastic L - Lo	NA N	/Ipdii		Н.	Hiał						-

Boring No. **HALEY** GEOPROBE REPORT File No. 36492-007 Sheet No. 2 of 2 Sampler Blows per 6 in. Stratum Change Elev/Depth (ft) Gravel Sand Field Test Sample No. & Rec. (in.) **USCS Symbol** VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION Sample Depth (ft) Depth (ft) Toughness % Medium Coarse % Coarse Plasticity Dilatancy Strength % Fines (Color, GROUP NAME, max. particle size*, % Fine % Fine structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION) % - 20 Black to yellow-brown silty CLAY with sand (completely weathered shale), CL 10 70 G6 20.0 stained throughout, petroleum/naphthalene-like odor, moist 24.0 PID = 61.4 ppm396.7 22.7 Similar to above, except yellow-brown, occasional layers stained (up to approximately 3 in. thick), slight odor, dry 395.4 24.0 PID = 14.3 ppm-WEATHERED BEDROCK--Bottom of exploration at 24.0 ft Environmental Samples Collected: S1 = 8.0 to 10.0 ft S2 = 10.5 to 13.5 ft TG-10-68C **Boring No.**

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

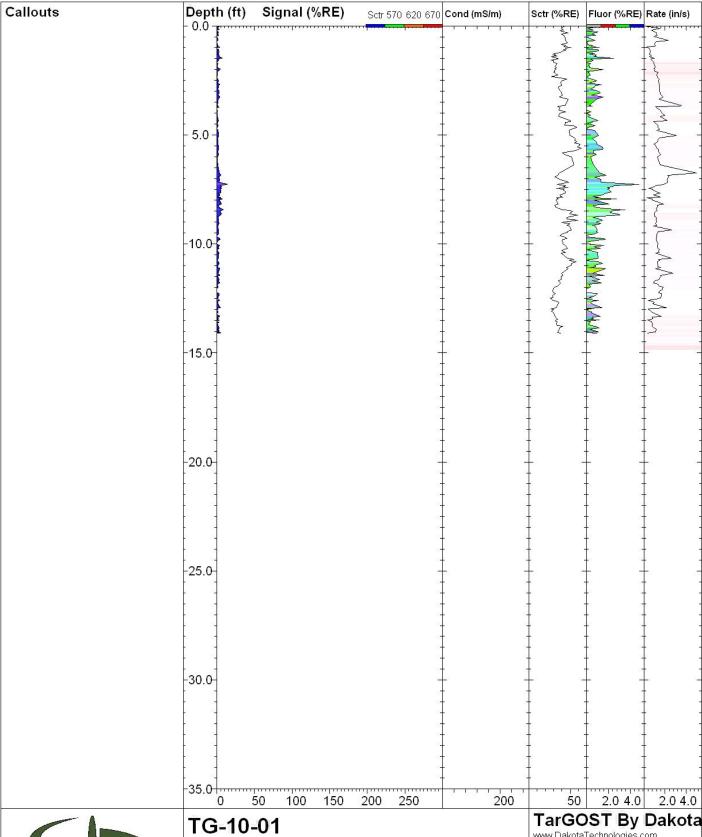
18 Mar 1

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HA-TB+CORE+WELL-07-1.GDT

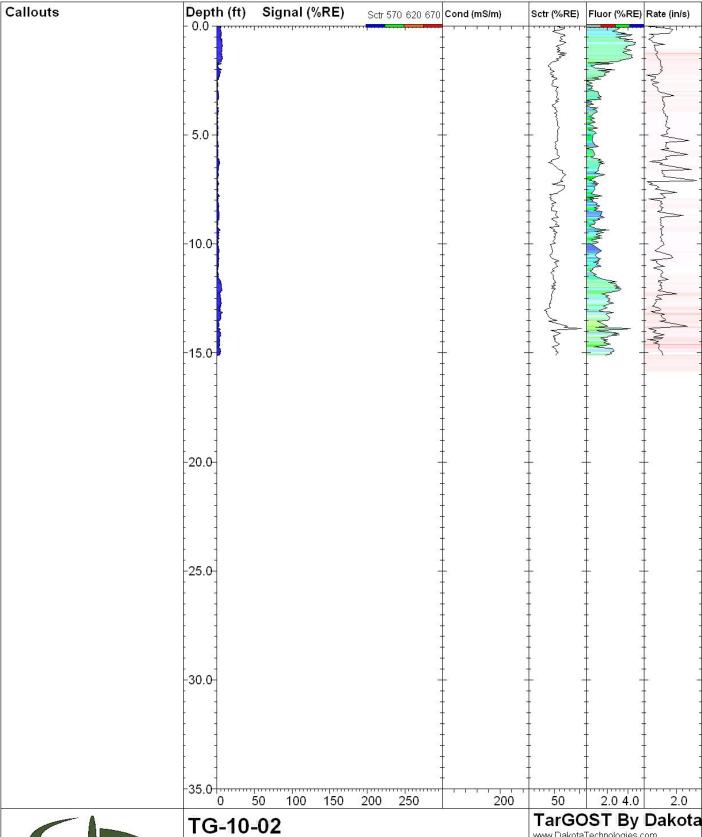
H&A-GEOPROBE-07-1 HAR HA-LIB07-R1.GLB

TG-10-68C



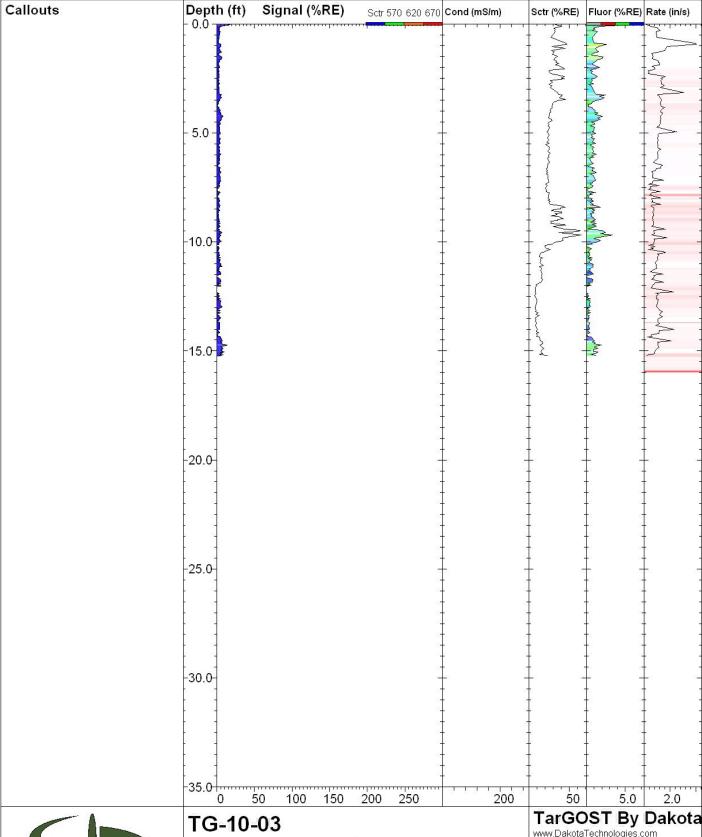


	TG-10-01		TarGOST By Dakota www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	14.10 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	14.1 %RE @ 7.26 ft
3	Operator / Unit:	Elevation:	Date & Time:
1	T. Olsonawski / TG1003	Unavailable	2011-01-22 14:24 EST



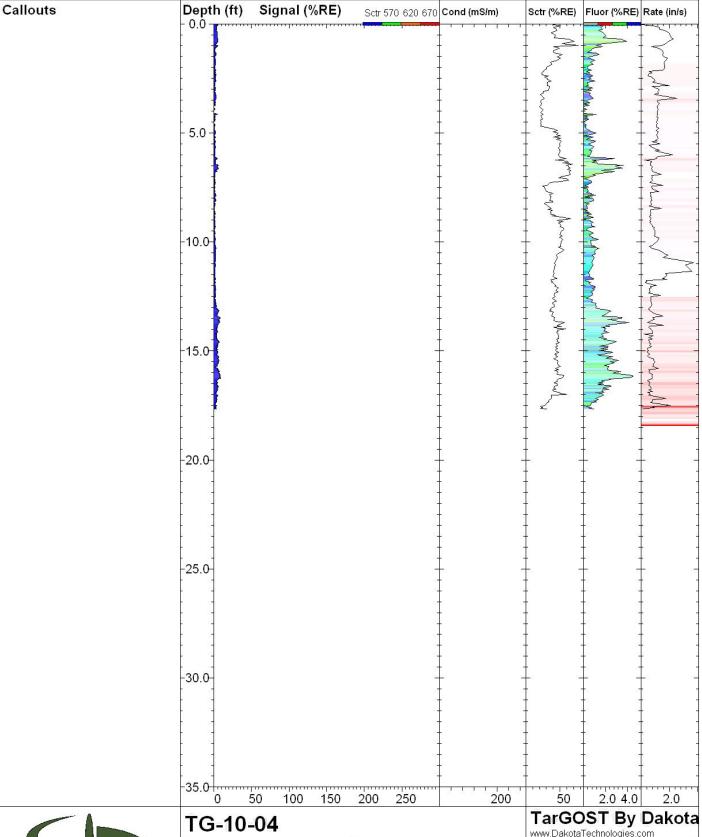


	TG-10-02		TarGOST By Dakota www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	15.11 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	7.5 %RE @ 0.91 ft
3	Operator / Unit:	Elevation:	Date & Time:
4	T. Olsonawski / TG1003	Unavailable	2011-01-21 14:58 EST



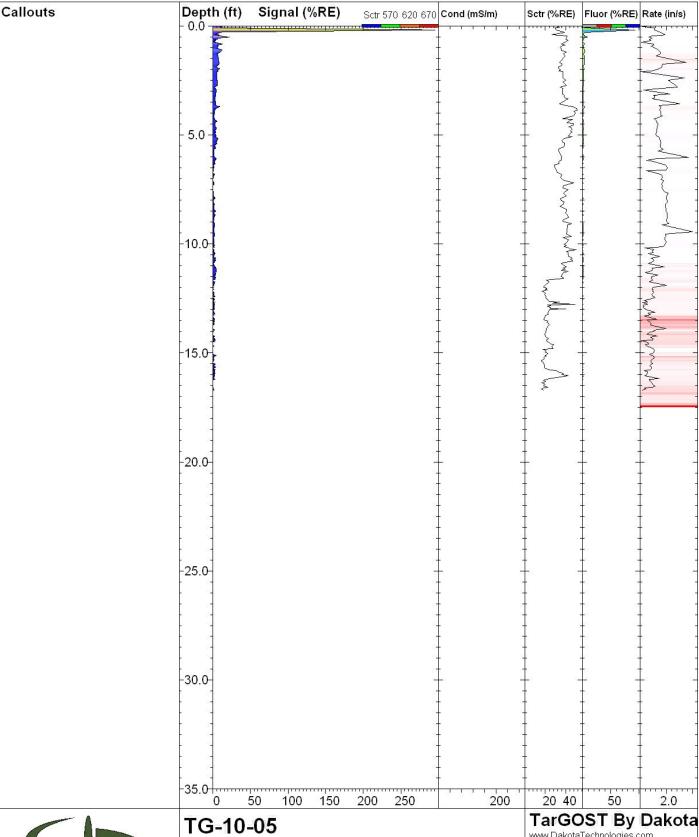


TG-10-03	44	TarGOST By Dakota www.DakotaTechnologies.com
Site:	Y Coord.(Lat-N) / System:	Final depth:
East Station Former MGP	Unavailable / NA	15.22 ft
Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
H&A /	Unavailable / NA	21.2 %RE @ 0.00 ft
Operator / Unit:	Elevation:	Date & Time:
T. Olsonawski / TG1003	Unavailable	2011-01-19 12:40 EST



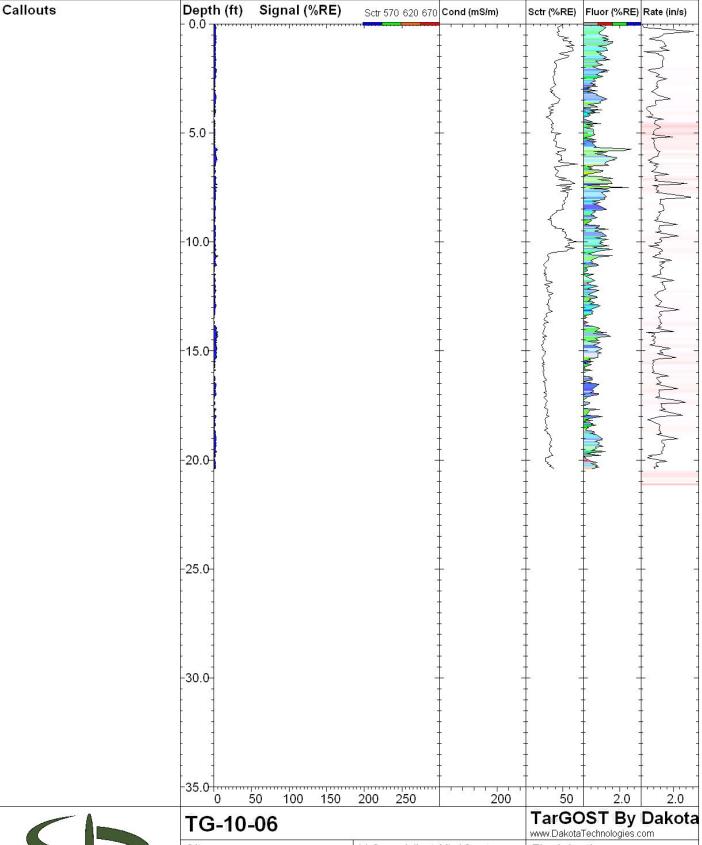


	TG-10-04		TarGOST By Dakota www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	17.67 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	9.1 %RE @ 16.24 ft
3	Operator / Unit:	Elevation:	Date & Time:
1	T. Olsonawski / TG1003	Unavailable	2011-01-19 12:58 EST



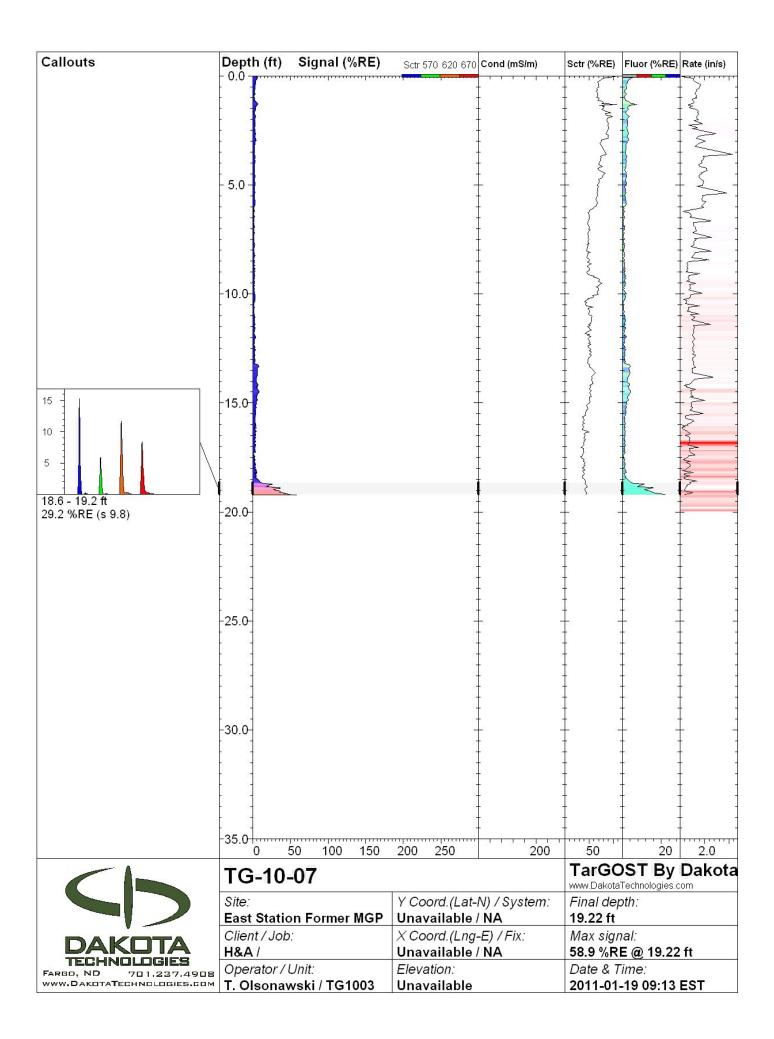


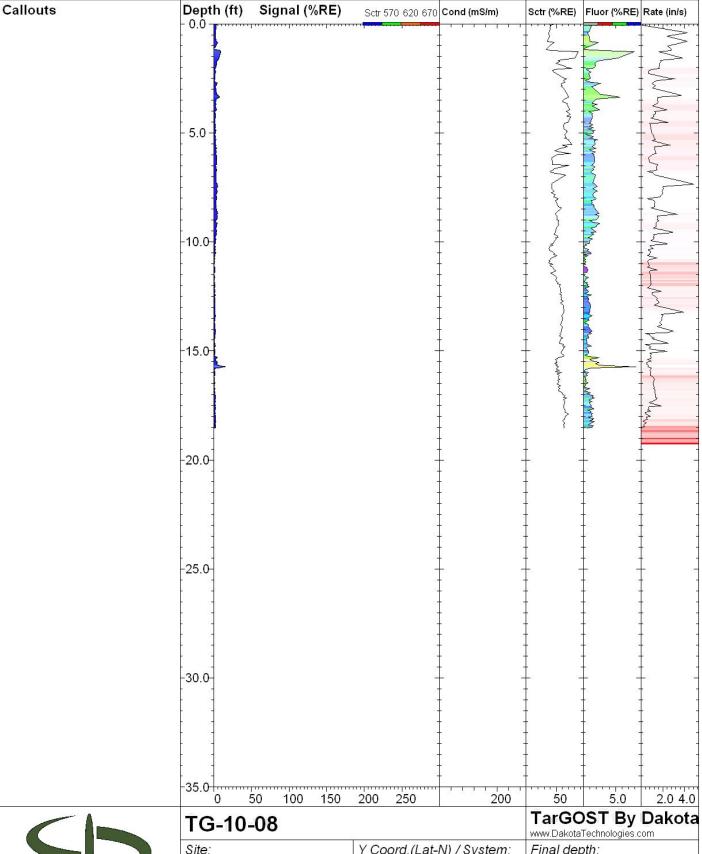
	IG-10-05	6	www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	16.73 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	296.5 %RE @ 0.19 ft
3	Operator / Unit:	Elevation:	Date & Time:
и	T. Olsonawski / TG1003	Unavailable	2011-01-21 15:13 EST





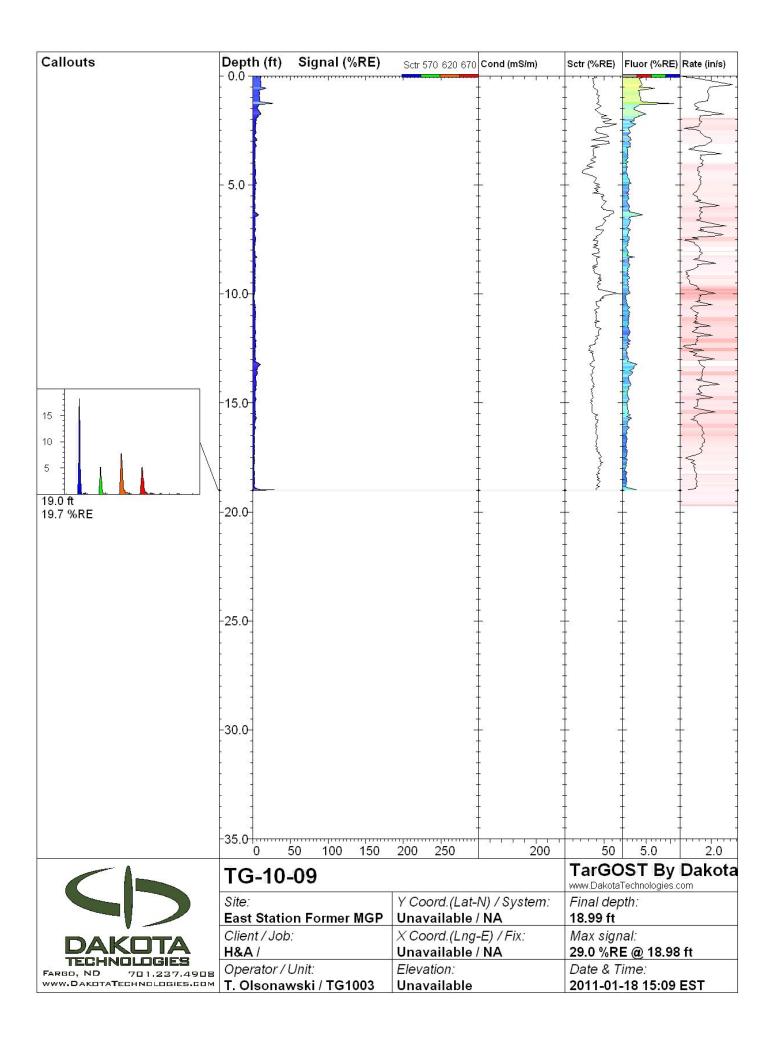
TG-10-06		TarGOST By Dakota www.DakotaTechnologies.com
Site:	Y Coord.(Lat-N) / System:	Final depth:
East Station Former MGP	Unavailable / NA	20.42 ft
Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
H&A /	Unavailable / NA	5.5 %RE @ 14.15 ft
Operator / Unit:	Elevation:	Date & Time:
T. Olsonawski / TG1003	Unavailable	2011-01-19 13:13 EST

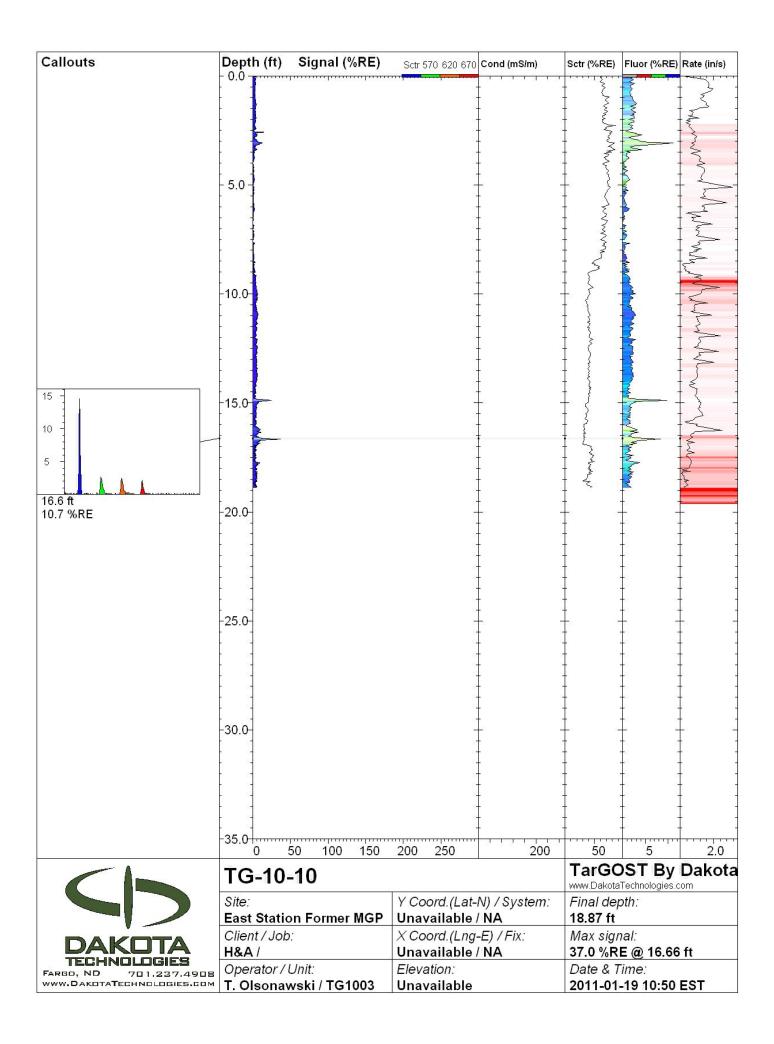


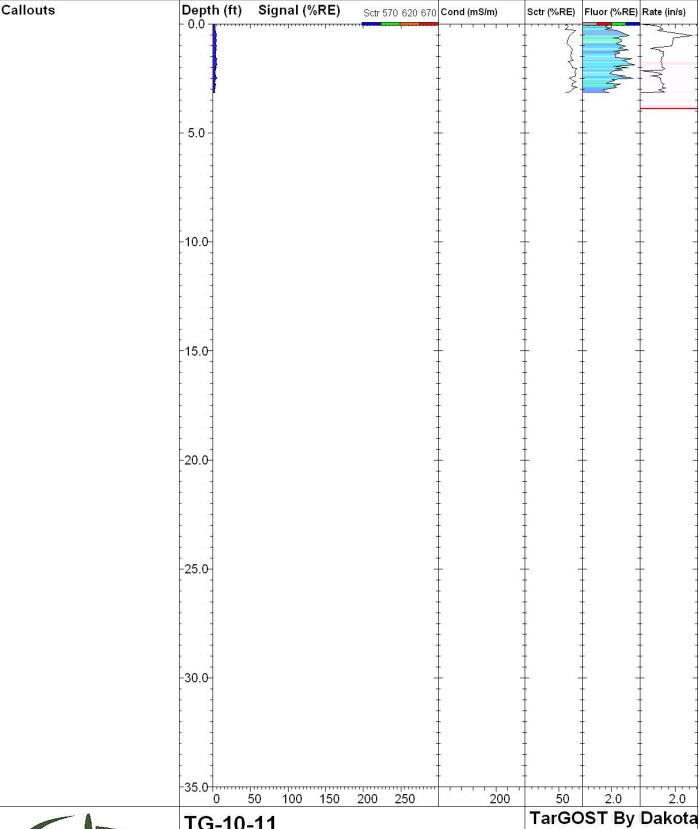




	TG-10-08	10	www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	18.52 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	15.2 %RE @ 15.72 ft
3	Operator / Unit:	Elevation:	Date & Time:
м	T. Olsonawski / TG1003	Unavailable	2011-01-19 10:26 EST

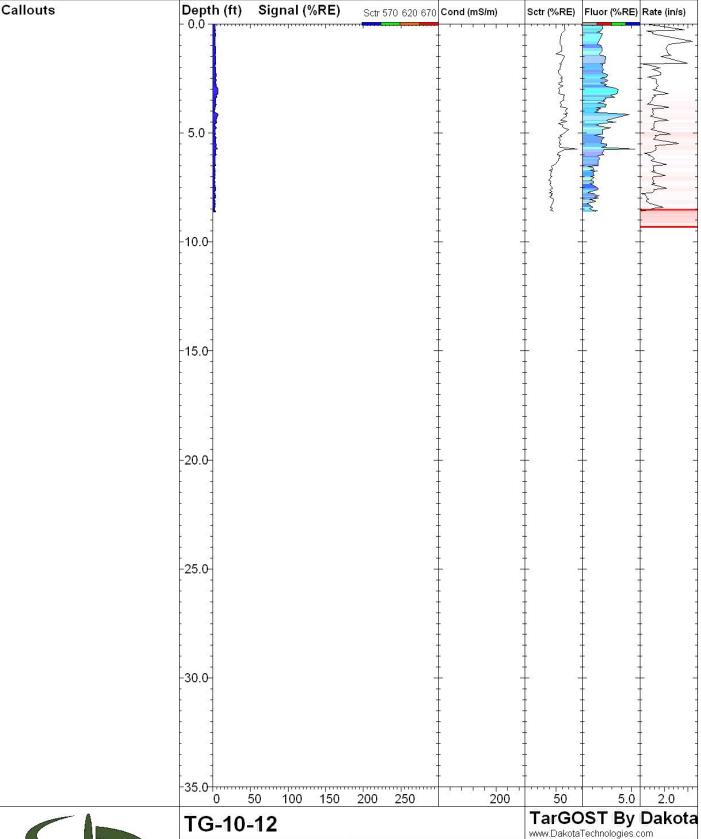






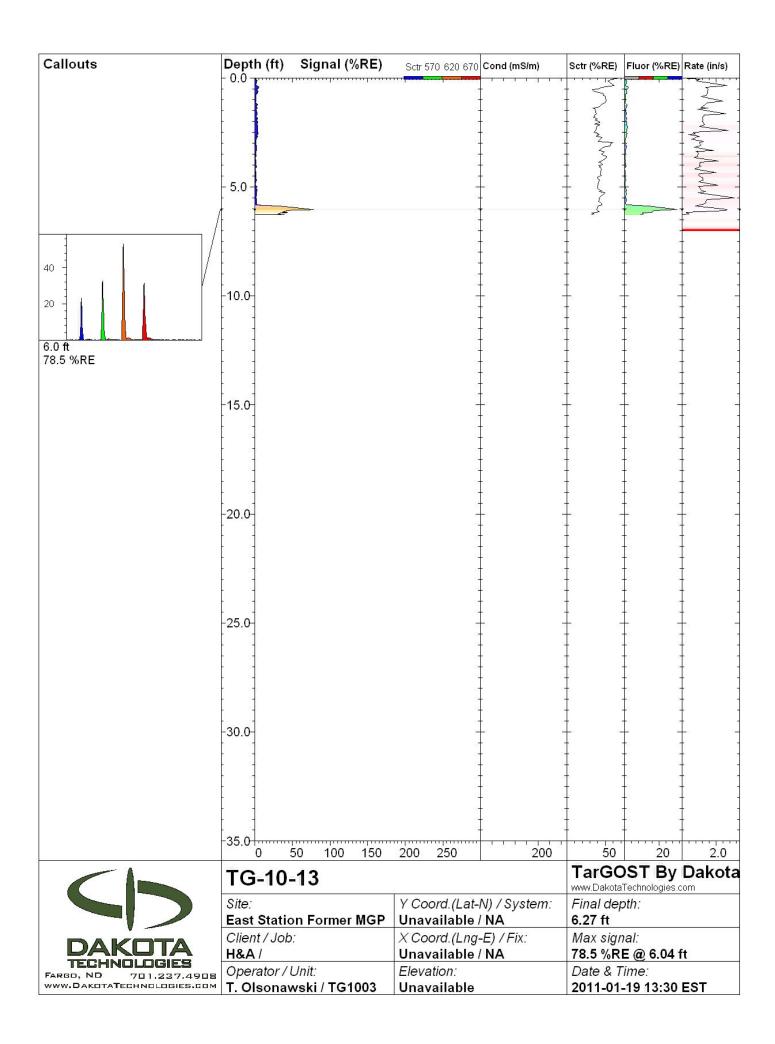


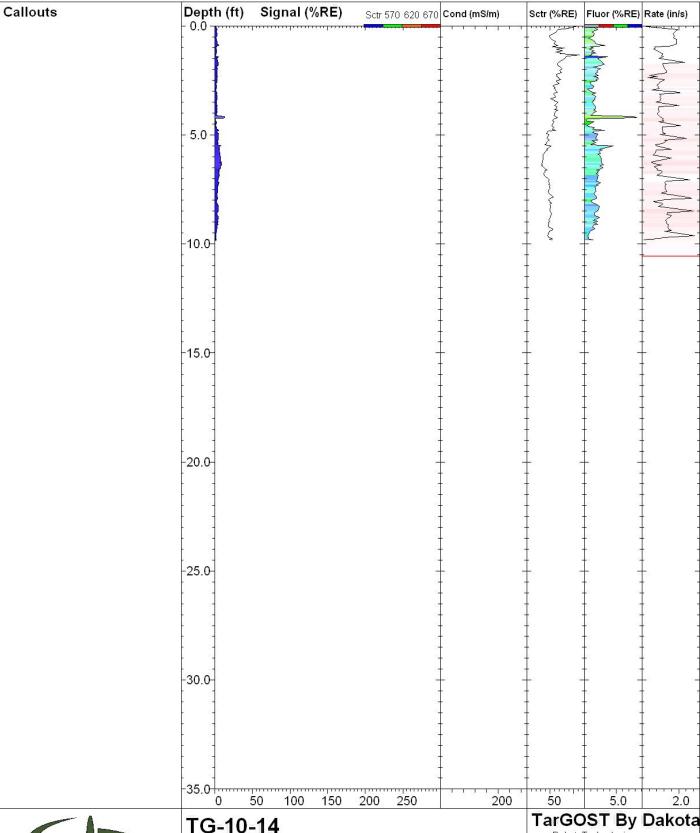
IG-10-11	6	www.DakotaTechnologies.com
Site:	Y Coord.(Lat-N) / System:	Final depth:
East Station Former MGP	Unavailable / NA	3.15 ft
Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
H&A /	Unavailable / NA	5.4 %RE @ 2.49 ft
Operator / Unit:	Elevation:	Date & Time:
T. Olsonawski / TG1003	Unavailable	2011-01-19 09:33 EST
	Site: East Station Former MGP Client / Job:	Site: Y Coord.(Lat-N) / System: East Station Former MGP Unavailable / NA Client / Job: X Coord.(Lng-E) / Fix: H&A / Unavailable / NA Operator / Unit: Elevation:





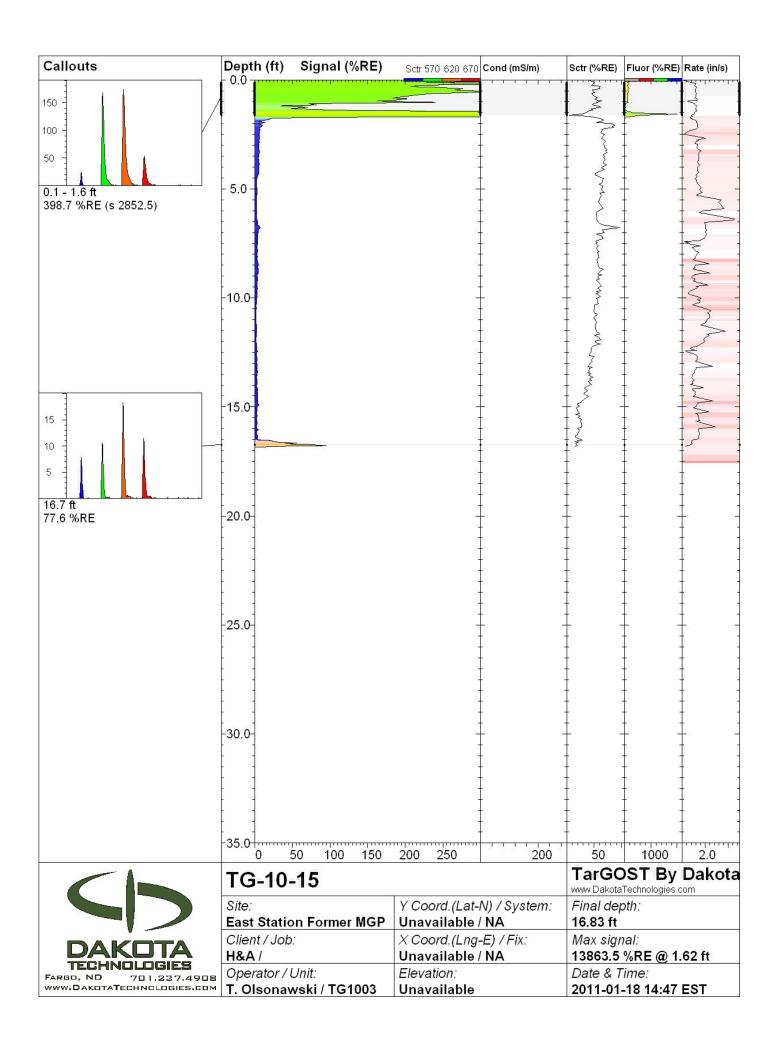
IG-10-12		www.DakotaTechnologies.com
Site:	Y Coord.(Lat-N) / System:	Final depth:
East Station Former MGP	Unavailable / NA	8.62 ft
Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
H&A /	Unavailable / NA	7.2 %RE @ 4.16 ft
Operator / Unit:	Elevation:	Date & Time:
T. Olsonawski / TG1003	Unavailable	2011-01-19 08:56 EST
	Site: East Station Former MGP Client / Job: H&A /	Site: Y Coord.(Lat-N) / System: East Station Former MGP Unavailable / NA Client / Job: X Coord.(Lng-E) / Fix: H&A / Unavailable / NA Operator / Unit: Elevation:

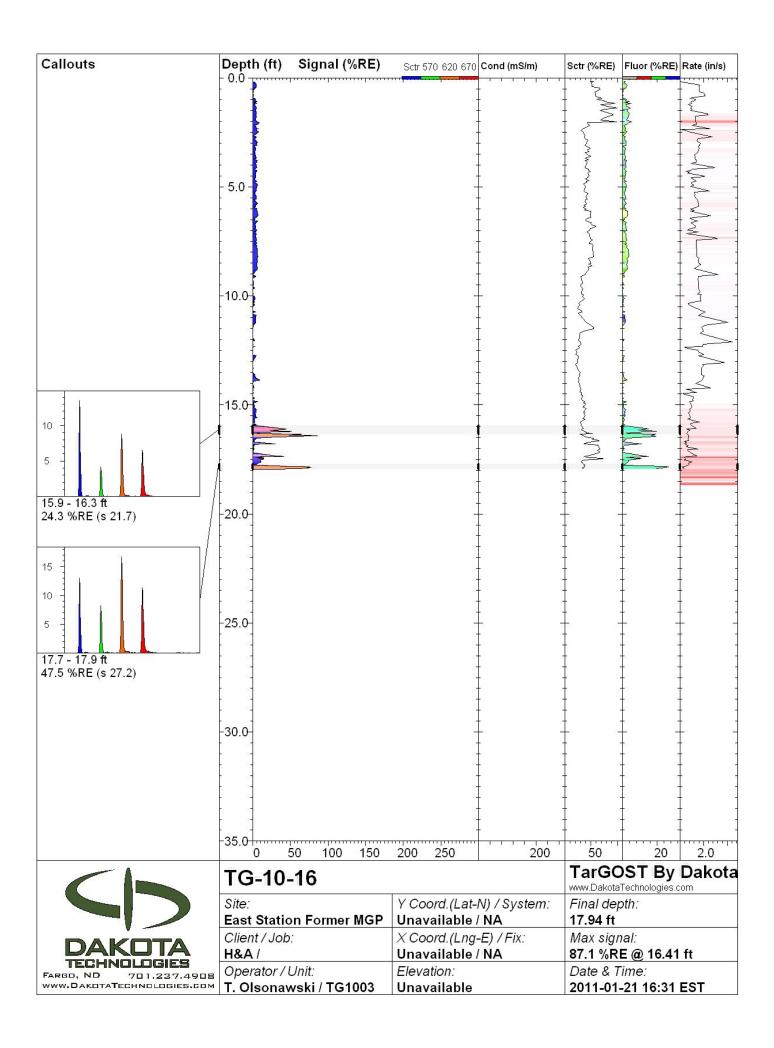


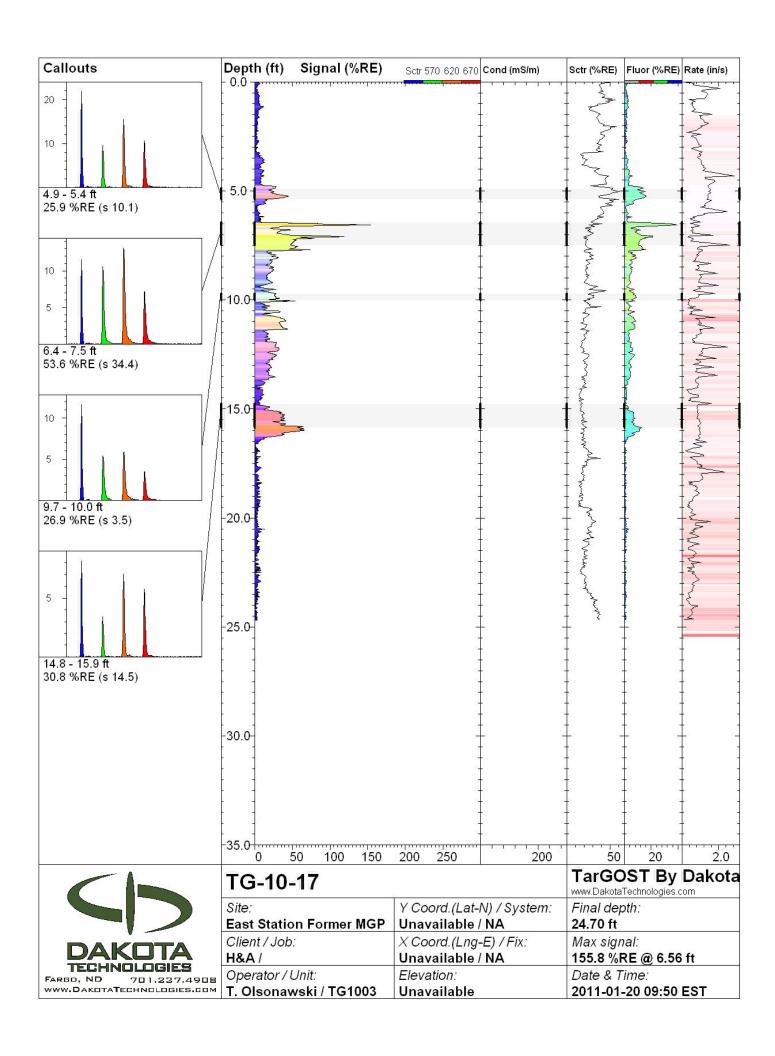


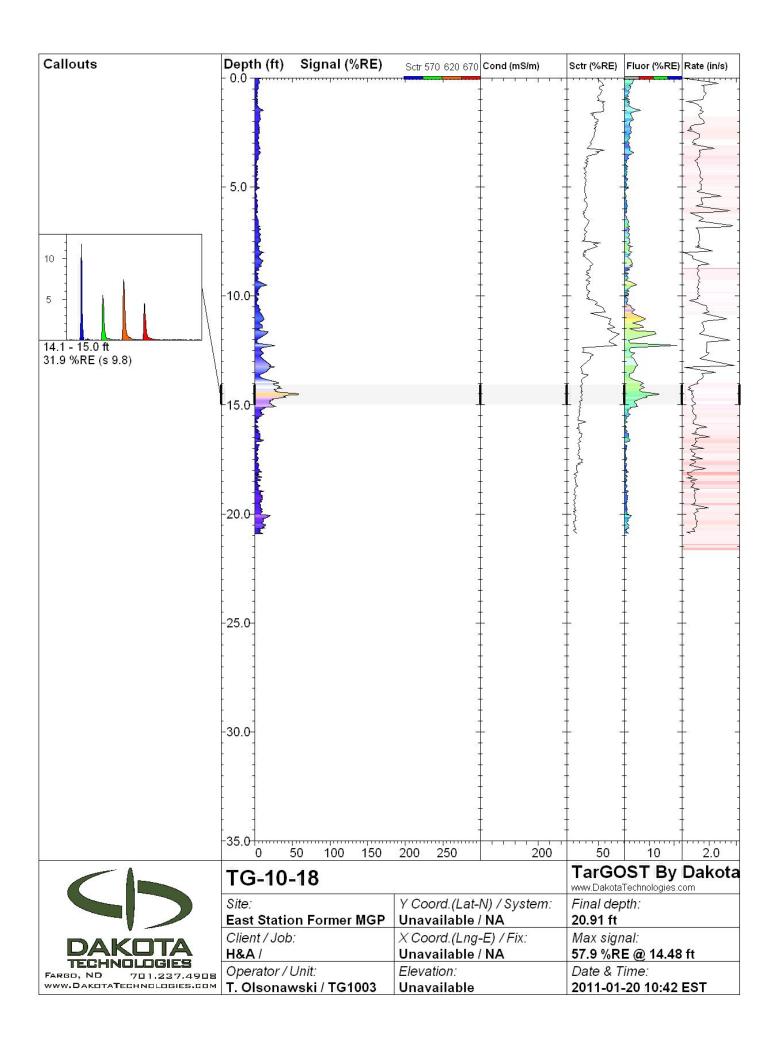


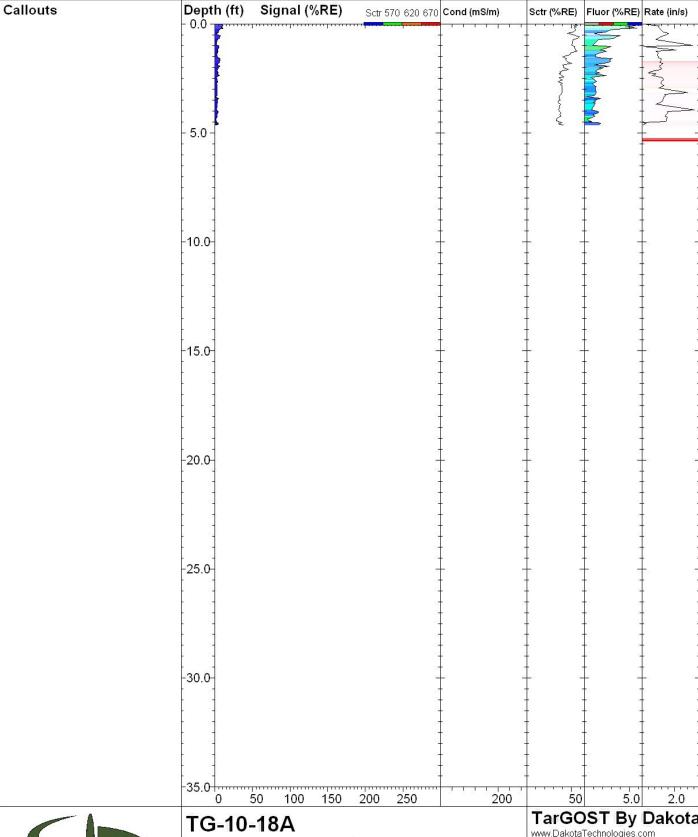
	IG-10-14	9	www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	9.83 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	12.7 %RE @ 4.22 ft
3	Operator / Unit:	Elevation:	Date & Time:
1	T. Olsonawski / TG1003	Unavailable	2011-01-19 10:10 EST





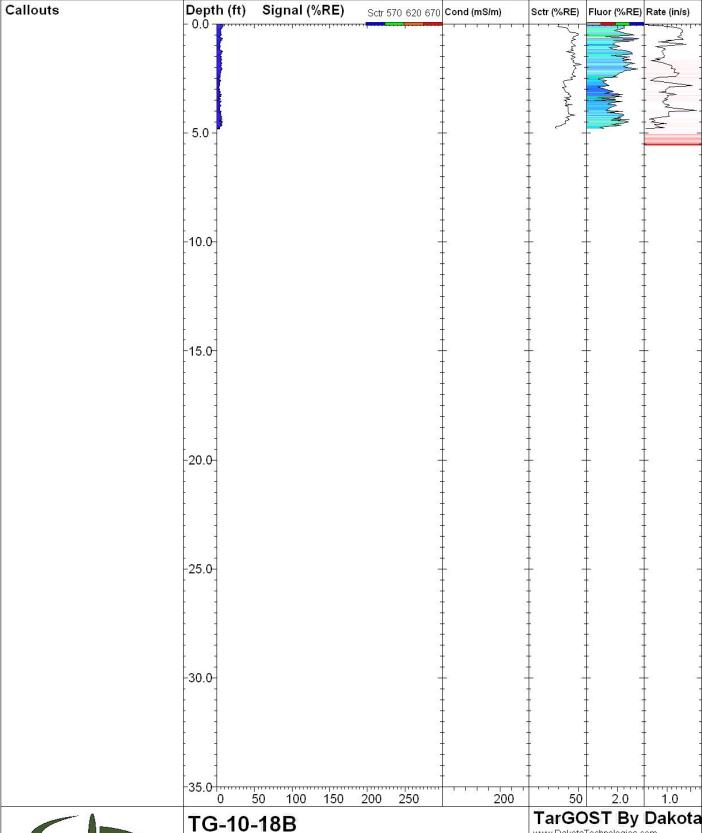






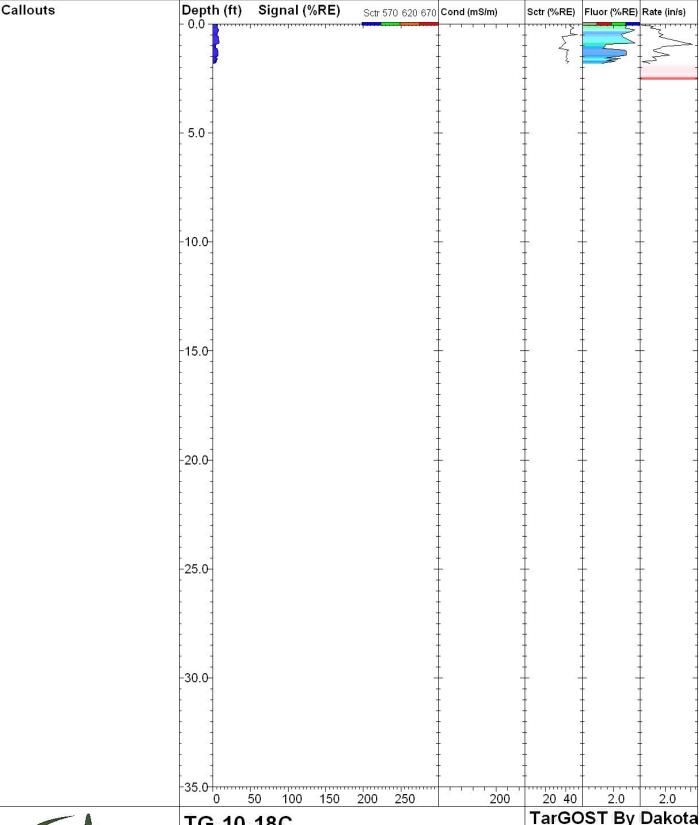


	TG-10-18A		TarGOST By Dakota www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	4.64 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	11.0 %RE @ 0.21 ft
3	Operator / Unit:	Elevation:	Date & Time:
1	T. Olsonawski / TG1003	Unavailable	2011-01-20 10:22 EST



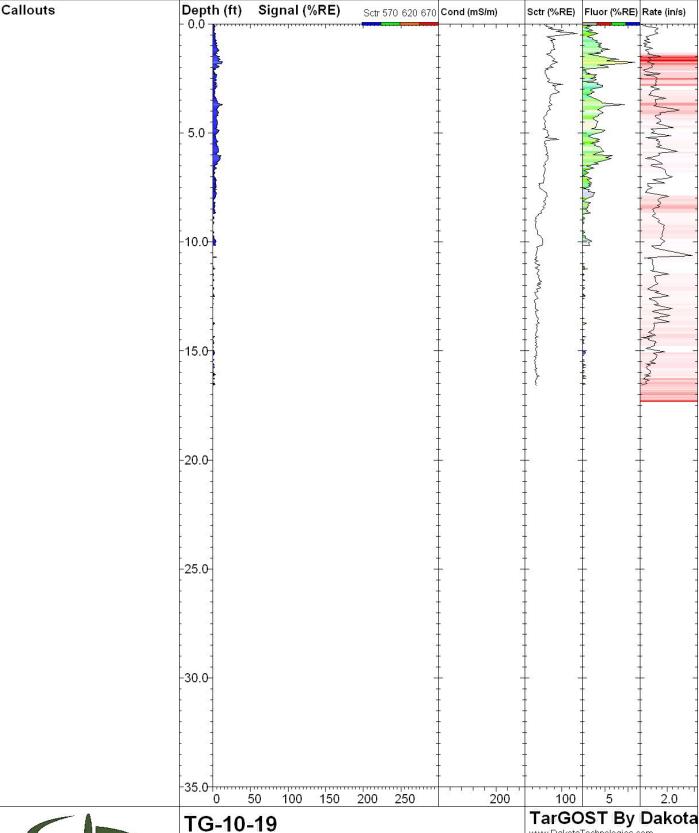


TG-10-18B		TarGOST By Dakota www.DakotaTechnologies.com
Site:	Y Coord.(Lat-N) / System:	Final depth:
East Station Former MGP	Unavailable / NA	4.81 ft
Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
H&A /	Unavailable / NA	8.1 %RE @ 0.11 ft
Operator / Unit:	Elevation:	Date & Time:
T. Olsonawski / TG1003	Unavailable	2011-01-20 10:29 EST





TG-10-18C		TarGOST By Dakota www.DakotaTechnologies.com
Site:	Y Coord.(Lat-N) / System:	Final depth:
East Station Former MGP	Unavailable / NA	1.80 ft
Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
H&A /	Unavailable / NA	8.4 %RE @ 0.89 ft
Operator / Unit:	Elevation:	Date & Time:
T. Olsonawski / TG1003	Unavailable	2011-01-20 10:38 EST



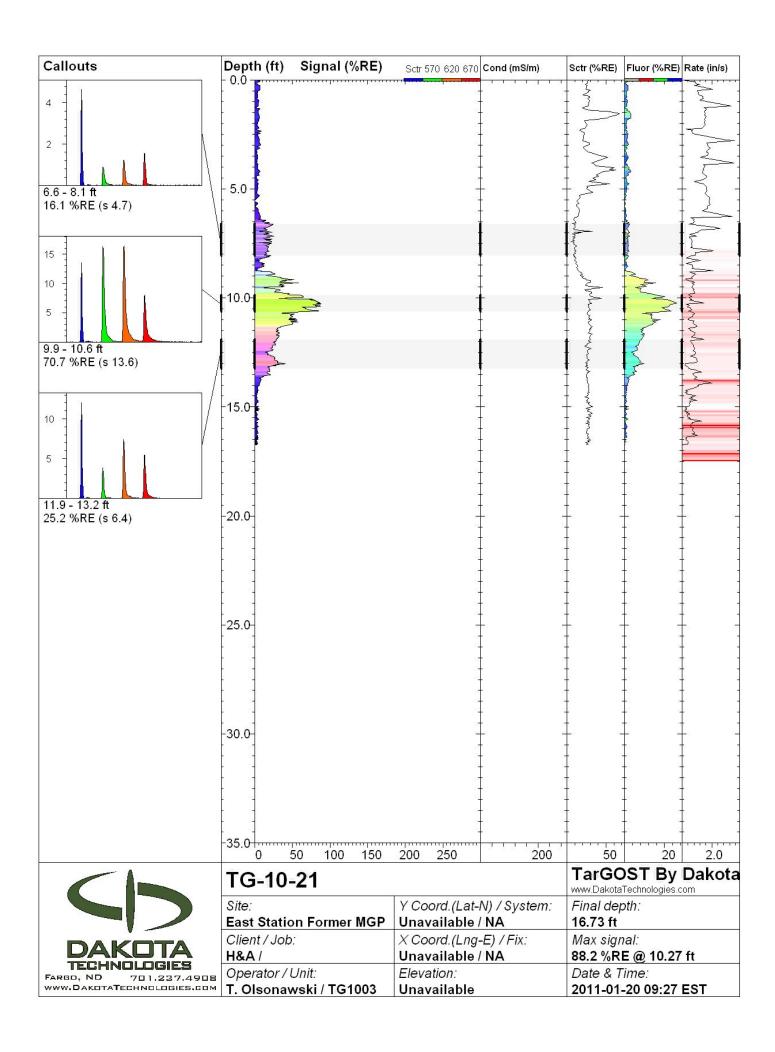


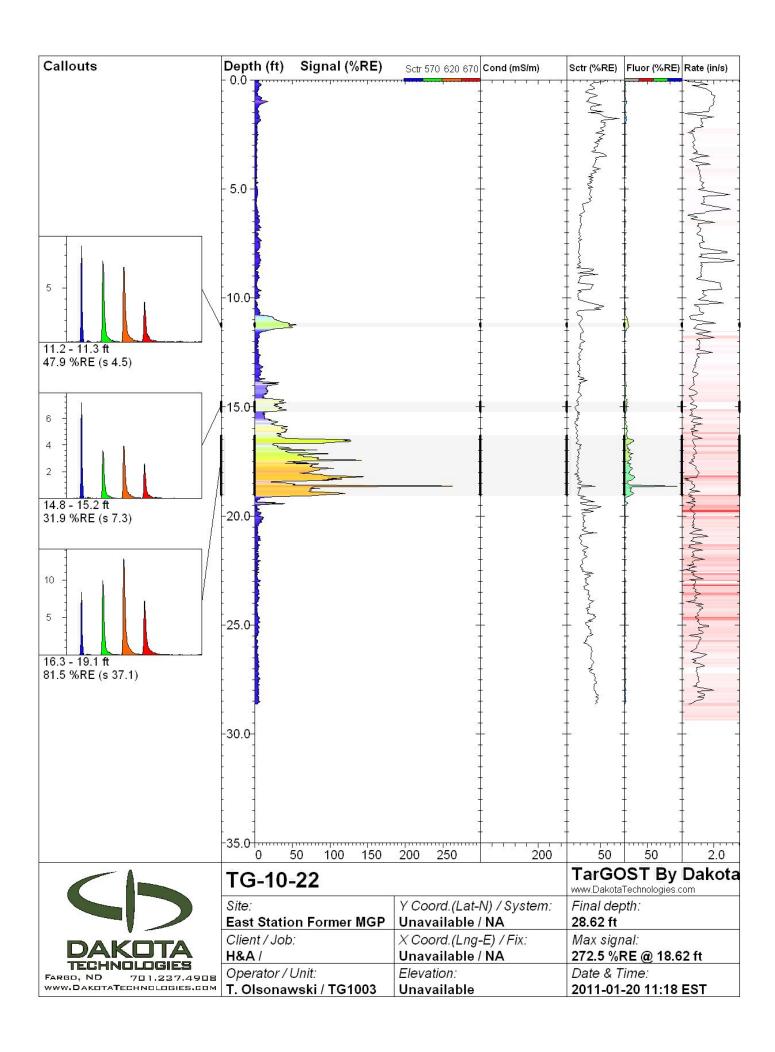
TG-10-19		TarGOST By Dakota www.DakotaTechnologies.com
Site:	Y Coord.(Lat-N) / System:	Final depth:
East Station Former MGP	Unavailable / NA	16.57 ft
Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
H&A /	Unavailable / NA	12.9 %RE @ 1.74 ft
Operator / Unit:	Elevation:	Date & Time:
T. Olsonawski / TG1003	Unavailable	2011-01-21 16:52 EST

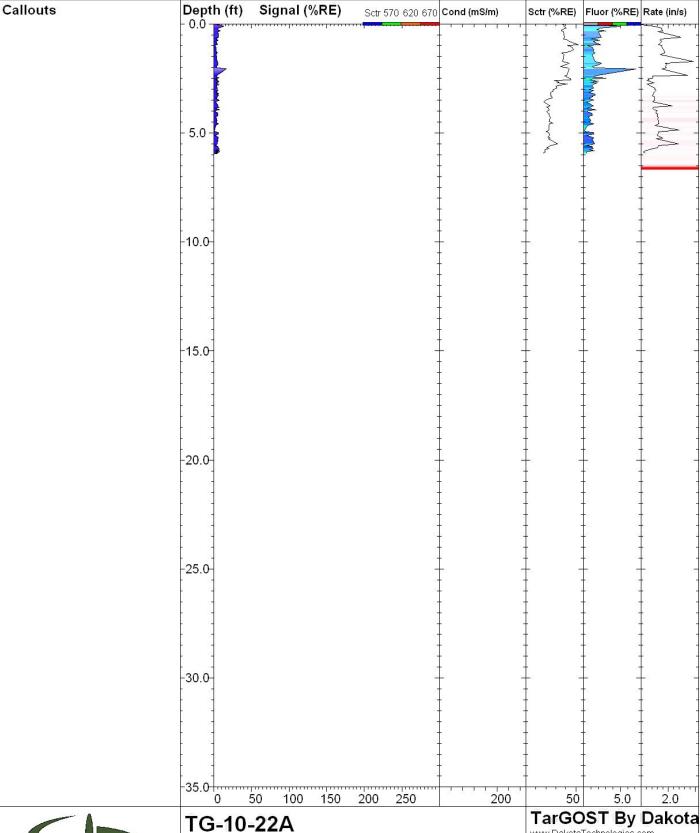




T	TG-10-20		TarGOST By Dakota www.DakotaTechnologies.com
Sit	e:	Y Coord.(Lat-N) / System:	Final depth:
Ea	st Station Former MGP	Unavailable / NA	5.09 ft
Cli	ient/Job:	X Coord.(Lng-E) / Fix:	Max signal:
Н8	kA /	Unavailable / NA	14.7 %RE @ 4.54 ft
Op	perator / Unit:	Elevation:	Date & Time:
₁ T.	Olsonawski / TG1003	Unavailable	2011-01-20 16:41 EST

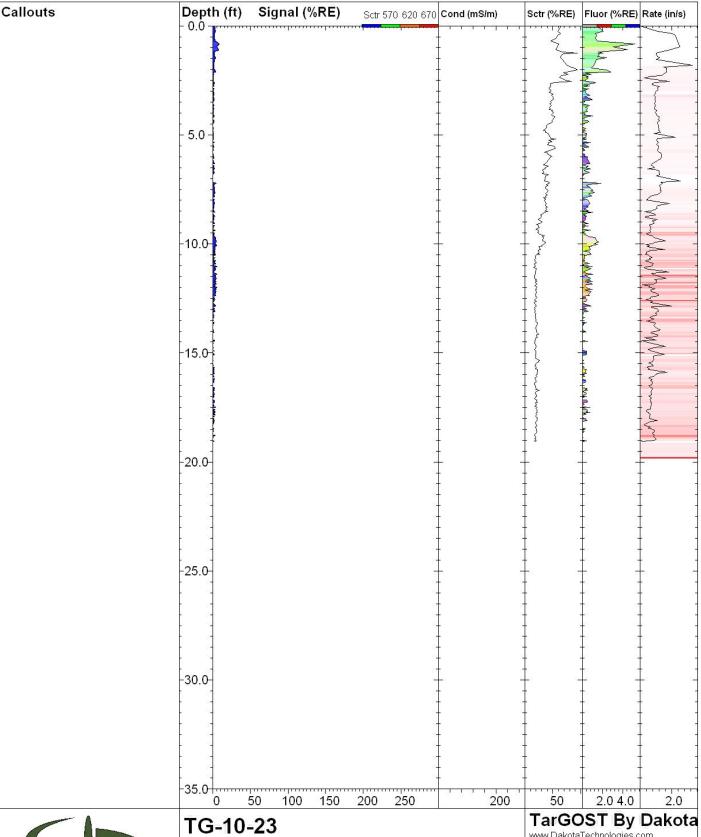






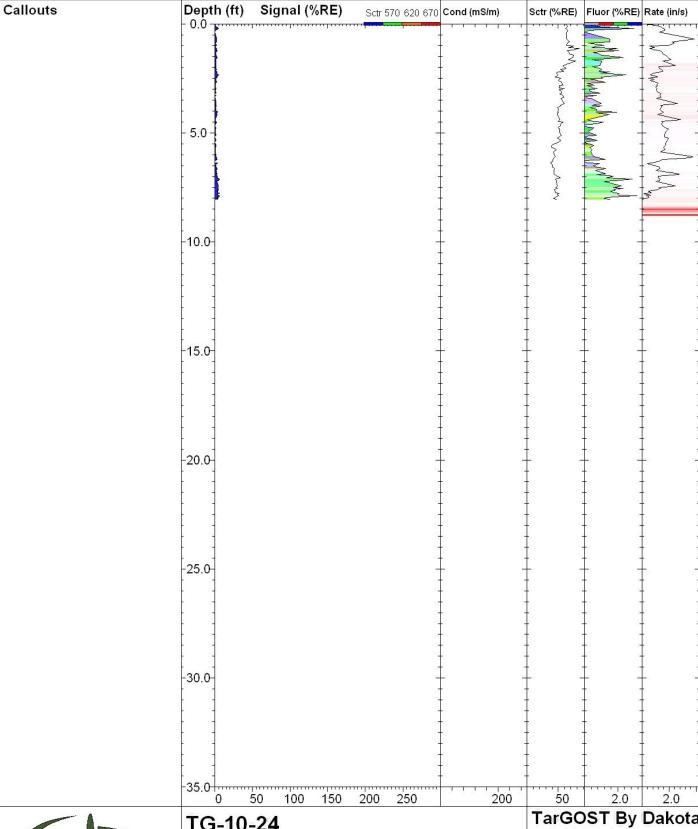


			TarGOST By Dakota www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	5.95 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	16.5 %RE @ 2.06 ft
	Operator / Unit:	Elevation:	Date & Time:
1	T. Olsonawski / TG1003	Unavailable	2011-01-20 11:09 EST



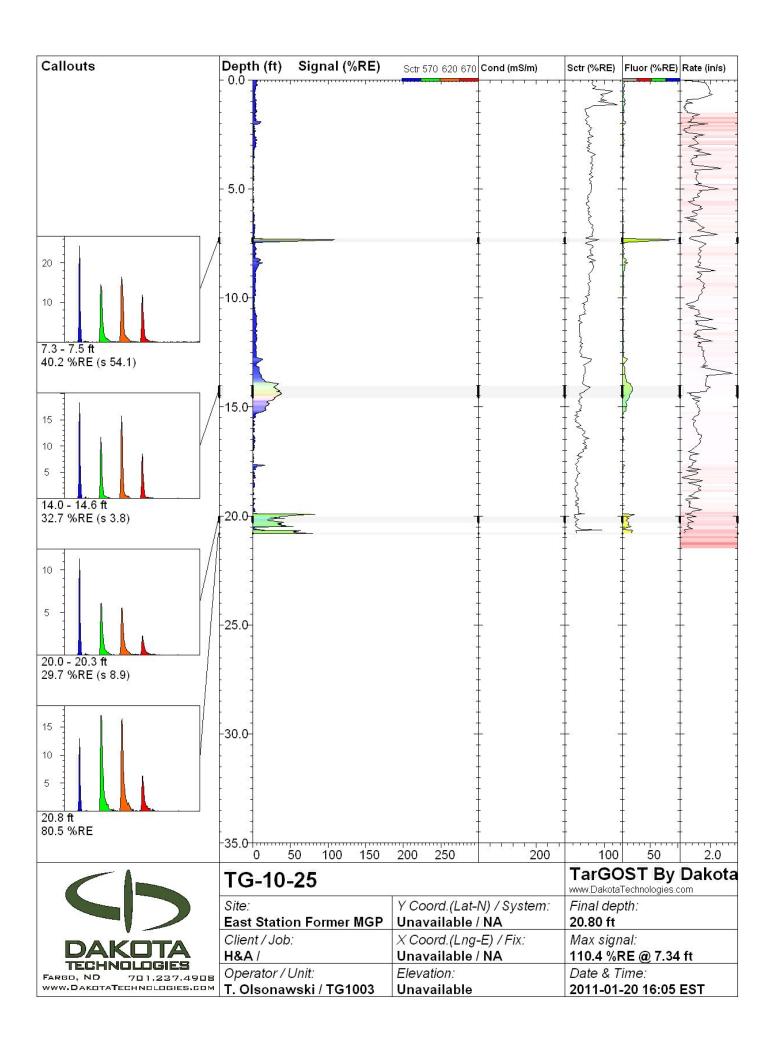


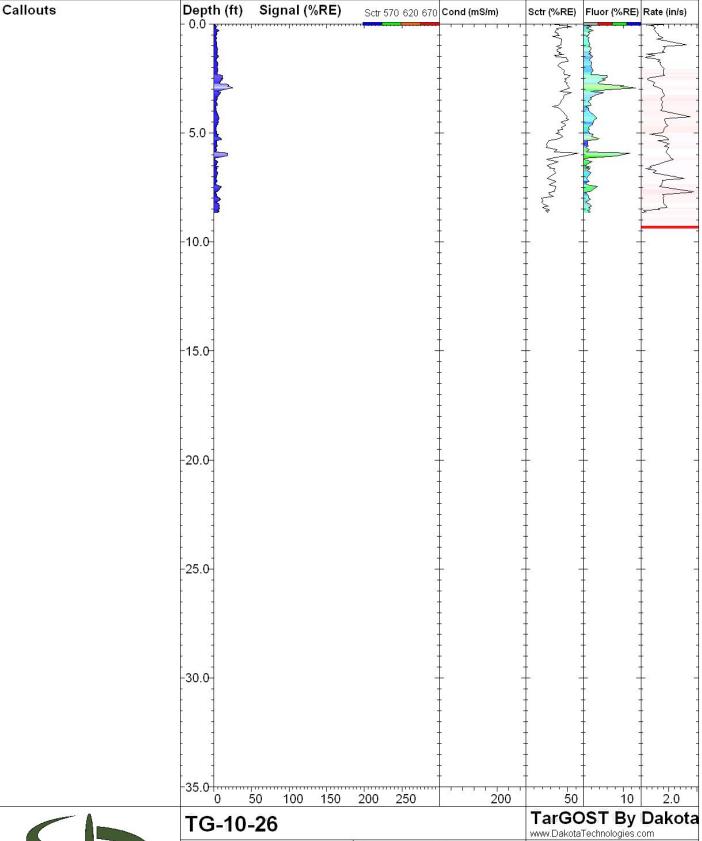
TG-10-23	40	TarGOST By Dakota www.DakotaTechnologies.com
Site:	Y Coord.(Lat-N) / System:	Final depth:
East Station Former MGP	Unavailable / NA	19.07 ft
Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
H&A /	Unavailable / NA	8.4 %RE @ 0.83 ft
Operator / Unit:	Elevation:	Date & Time:
T. Olsonawski / TG1003	Unavailable	2011-01-20 15:28 EST





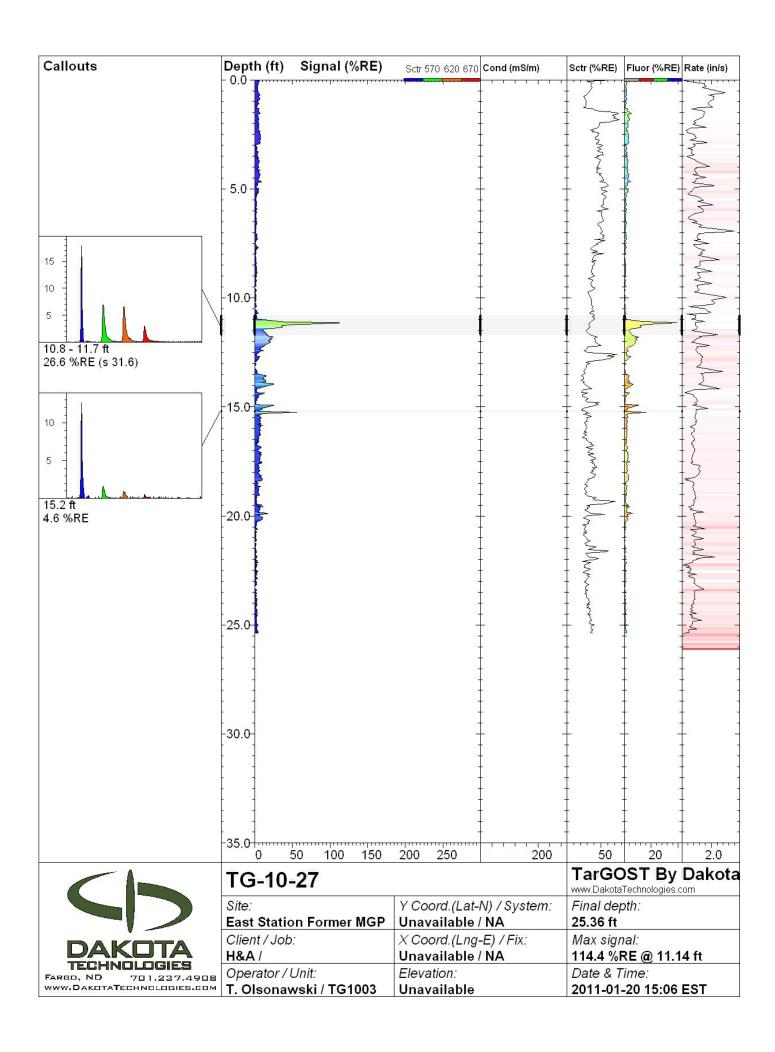
TG-10-24	44	TarGOST By Dakota www.DakotaTechnologies.com
Site:	Y Coord.(Lat-N) / System:	Final depth:
East Station Former MGP	Unavailable / NA	8.04 ft
Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
H&A /	Unavailable / NA	6.3 %RE @ 7.12 ft
Operator / Unit:	Elevation:	Date & Time:
T. Olsonawski / TG1003	Unavailable	2011-01-20 15:48 EST

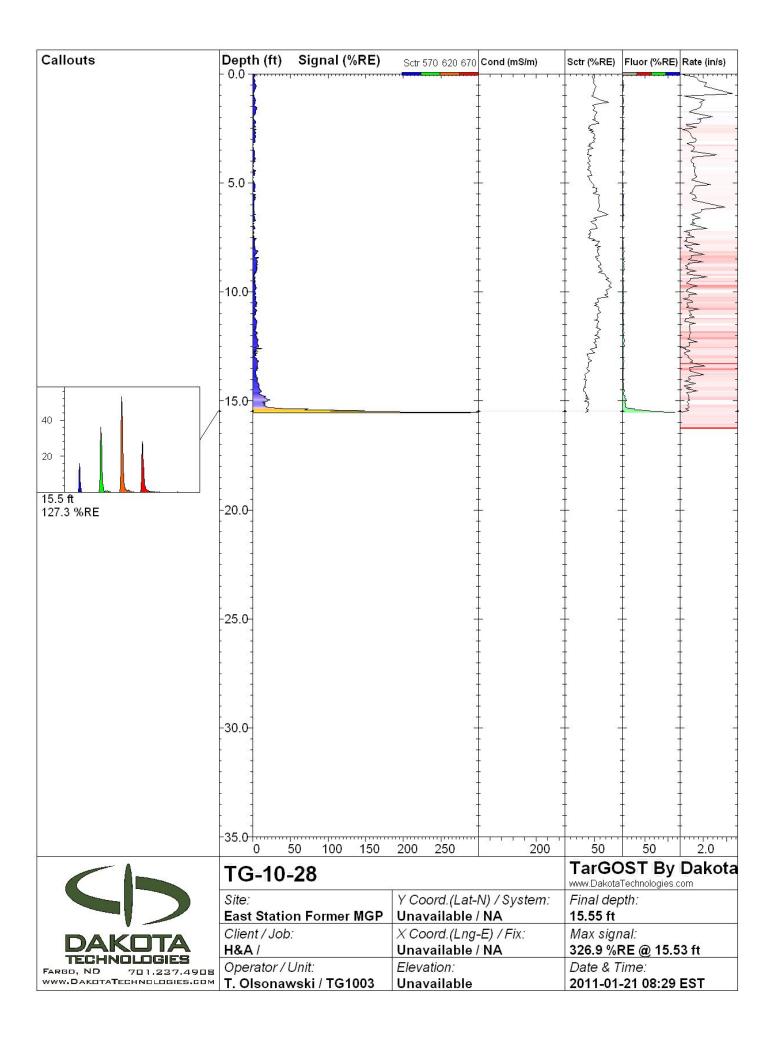


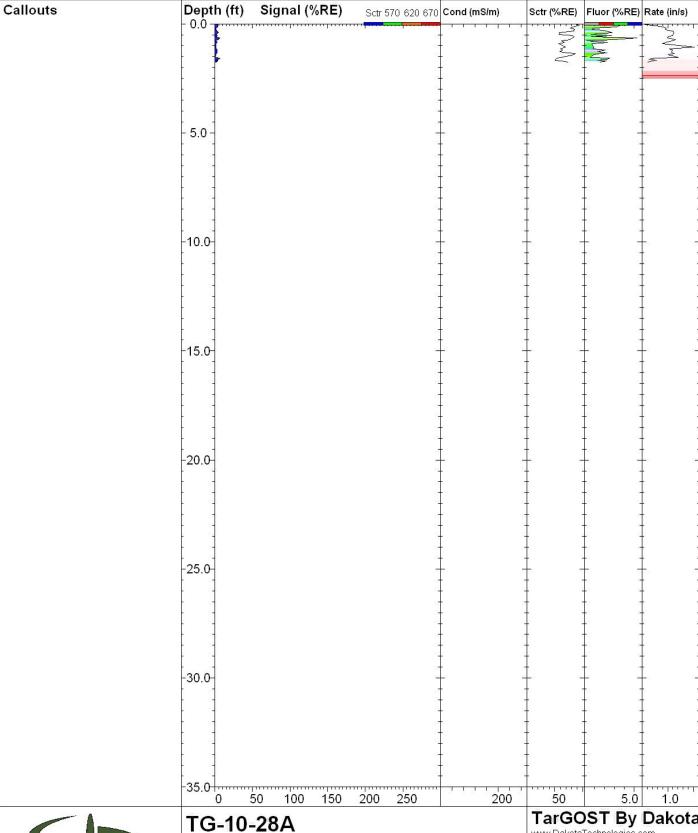




TG-10-26		TarGOST By Dakota www.DakotaTechnologies.com
Site:	Y Coord.(Lat-N) / System:	Final depth:
East Station Former MGP	Unavailable / NA	8.64 ft
Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
H&A /	Unavailable / NA	25.0 %RE @ 2.93 ft
Operator / Unit:	Elevation:	Date & Time:
T. Olsonawski / TG1003	Unavailable	2011-01-20 14:22 EST

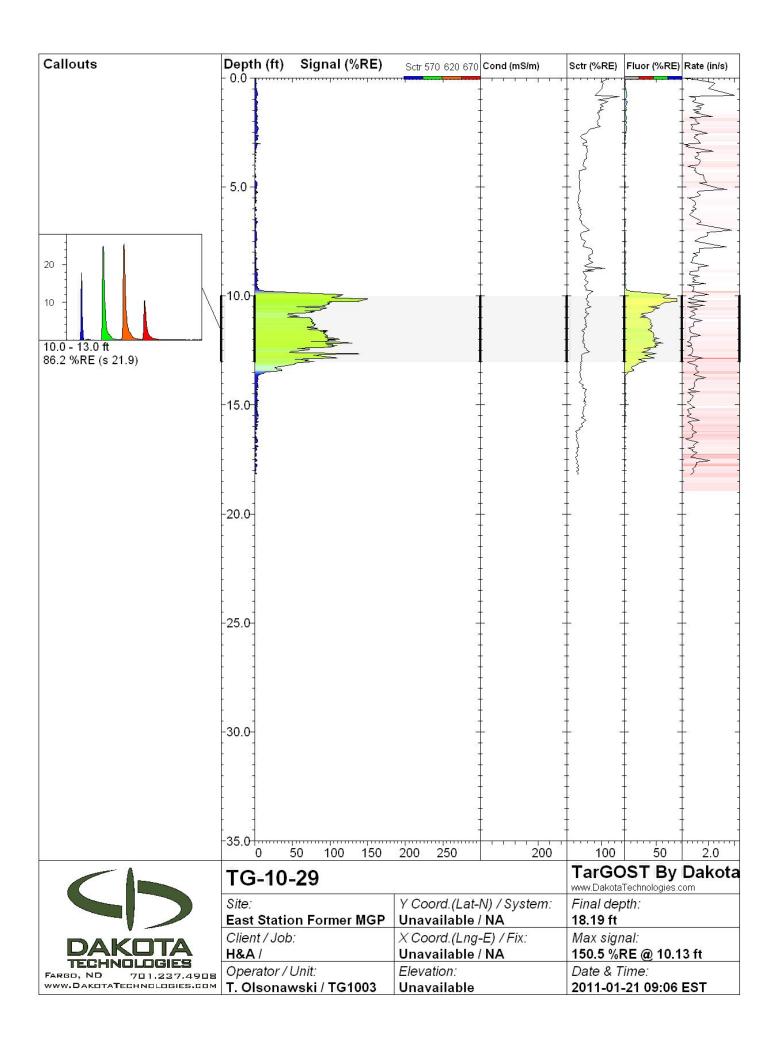


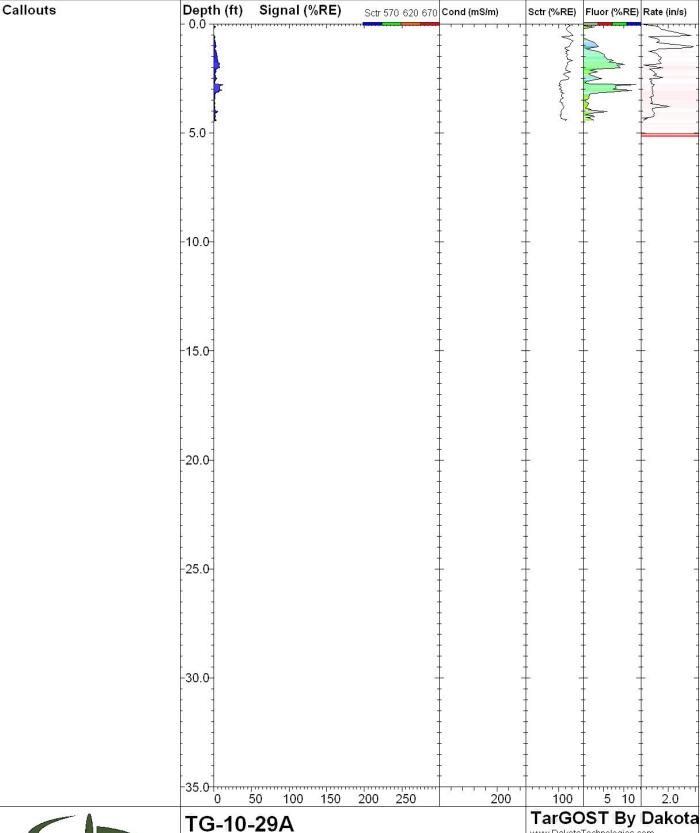






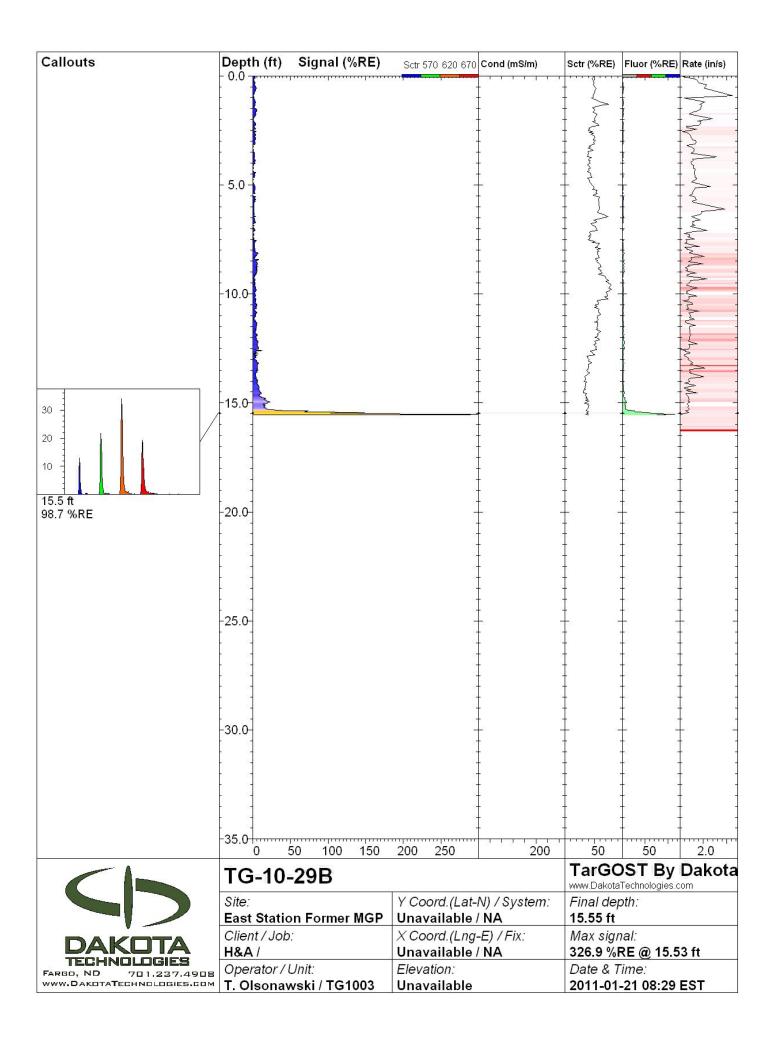
	TG-10-28A		TarGOST By Dakota www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	1.77 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	7.1 %RE @ 1.60 ft
8	Operator / Unit:	Elevation:	Date & Time:
	T. Olsonawski / TG1003	Unavailable	2011-01-21 08:25 EST

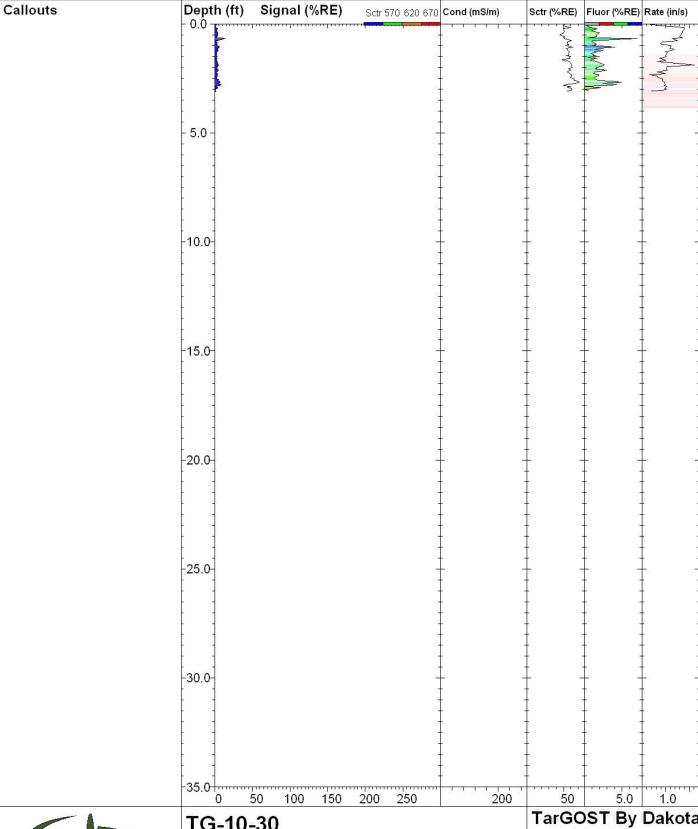






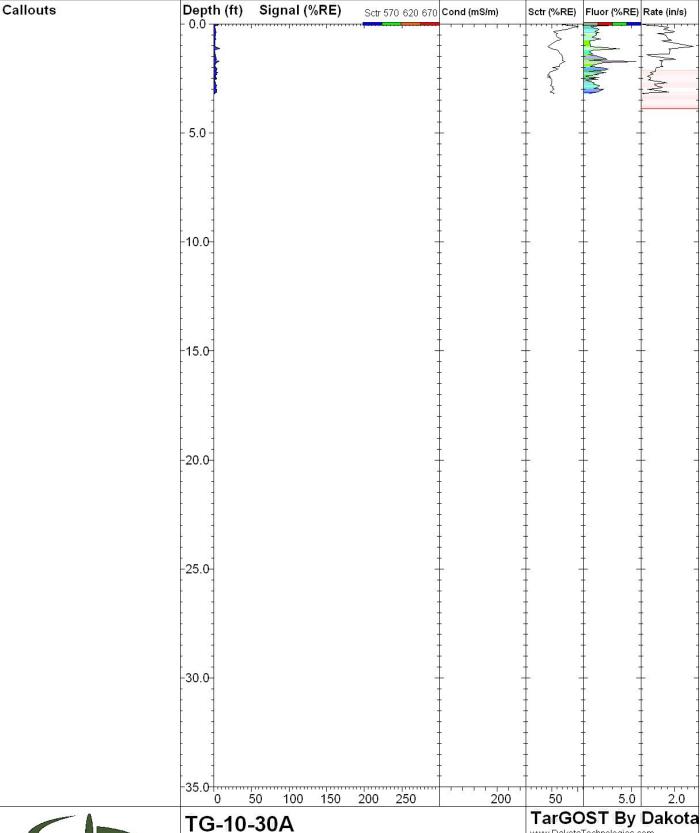
•			TarGOST By Dakota www.DakotaTechnologies.com
3	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	4.44 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	12.2 %RE @ 2.79 ft
3	Operator / Unit:	Elevation:	Date & Time:
1	T. Olsonawski / TG1003	Unavailable	2011-01-21 08:46 EST





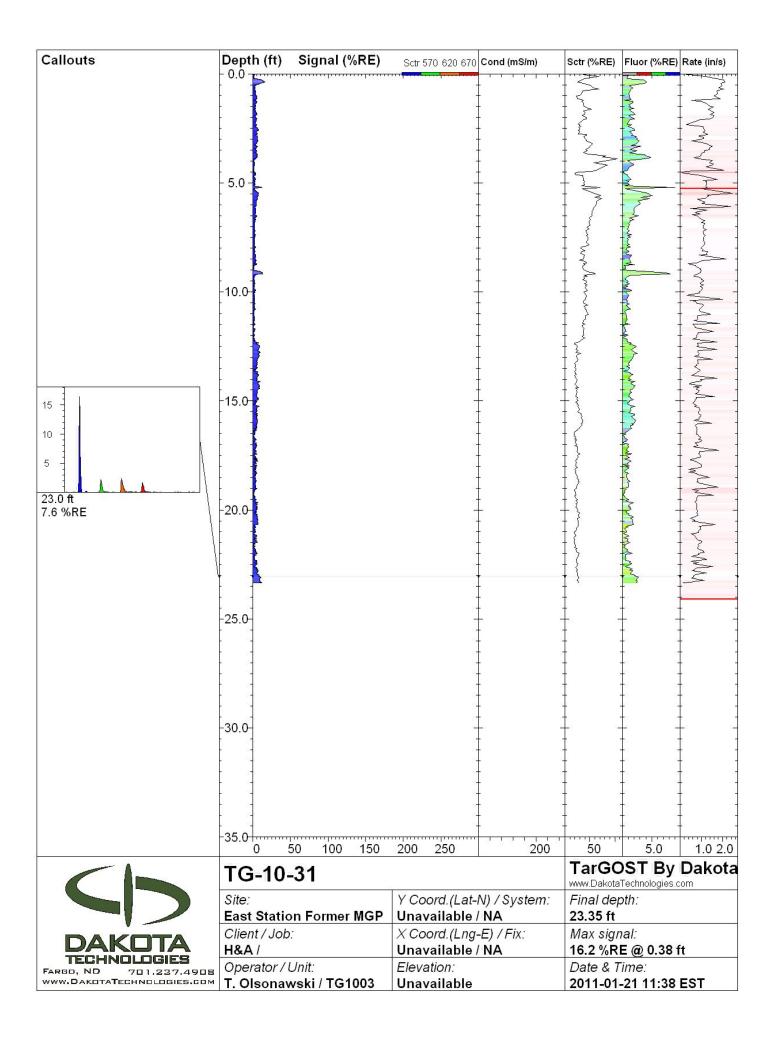


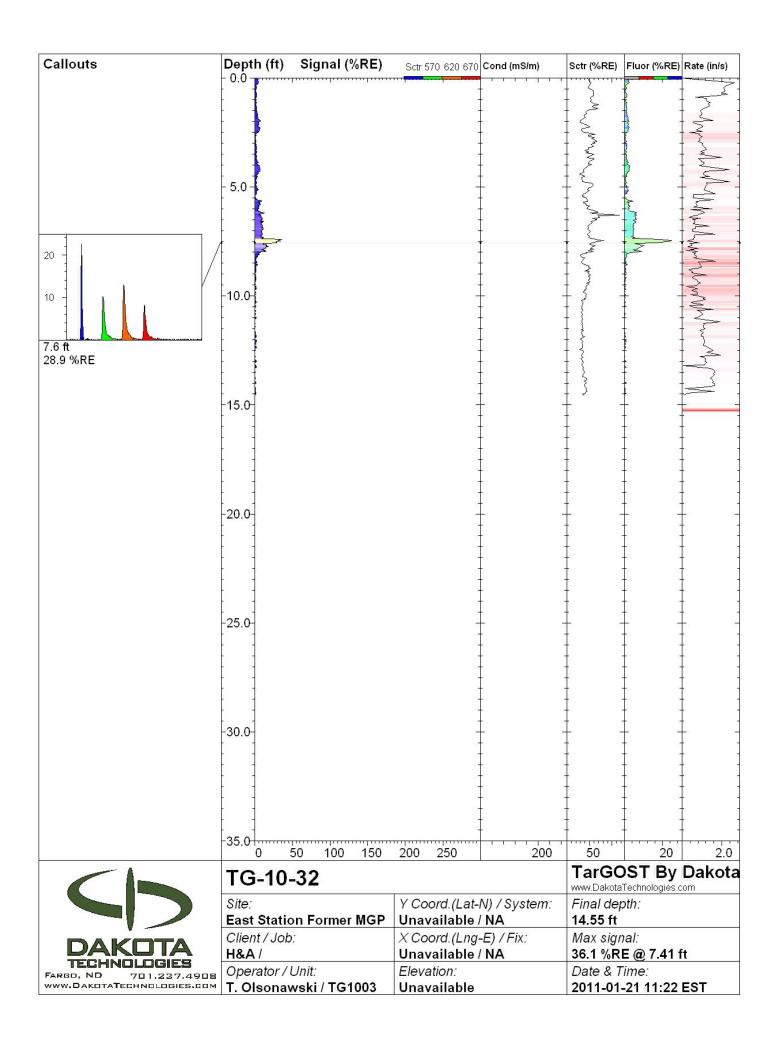
	TG-10-30		TarGOST By Dakota www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	3.09 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	13.7 %RE @ 0.67 ft
8	Operator / Unit:	Elevation:	Date & Time:
	T. Olsonawski / TG1003	Unavailable	2011-01-21 09:38 EST

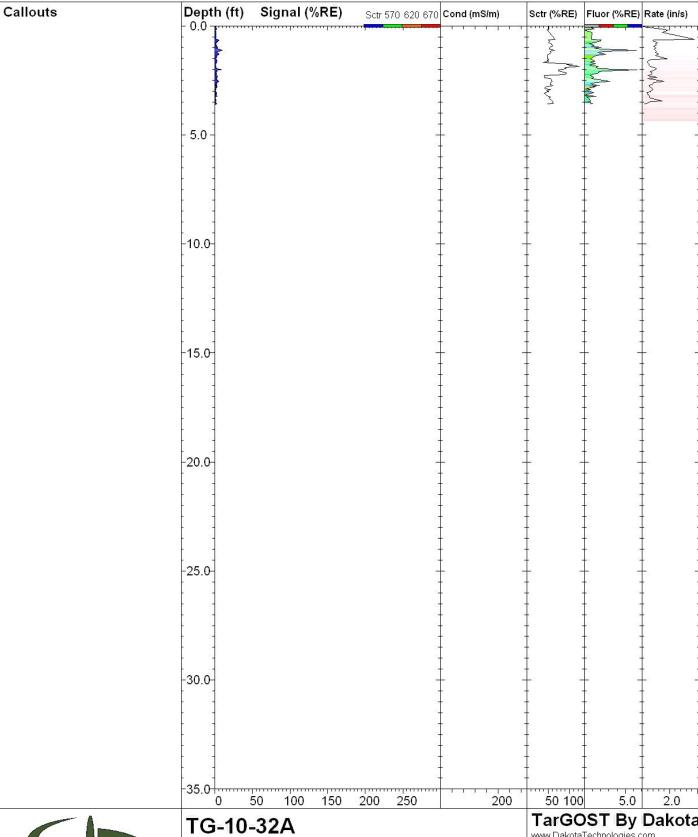




			TarGOST By Dakota www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	3.20 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	7.6 %RE @ 1.14 ft
3	Operator / Unit:	Elevation:	Date & Time:
1	T. Olsonawski / TG1003	Unavailable	2011-01-21 09:28 EST

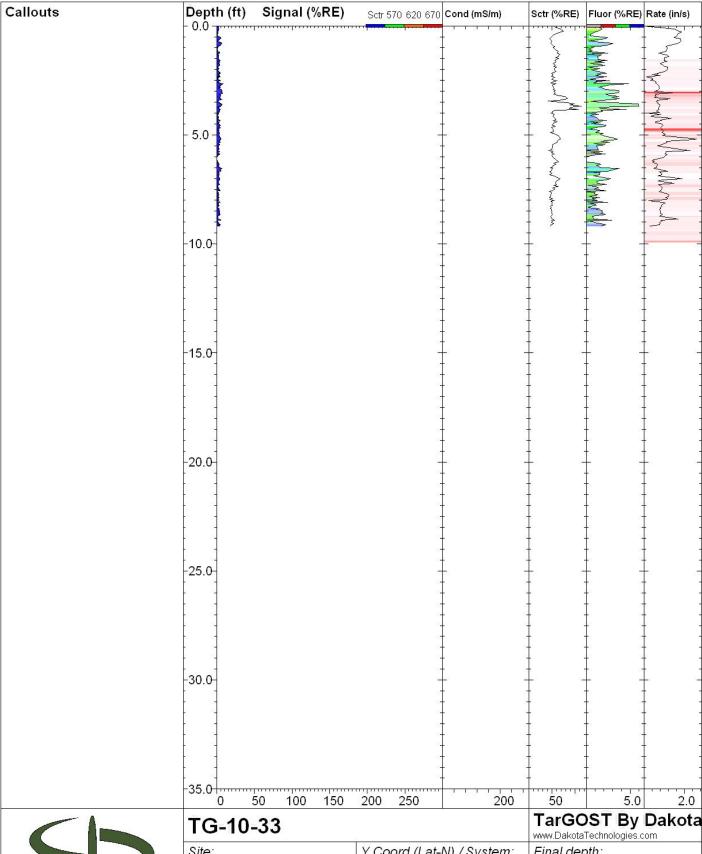






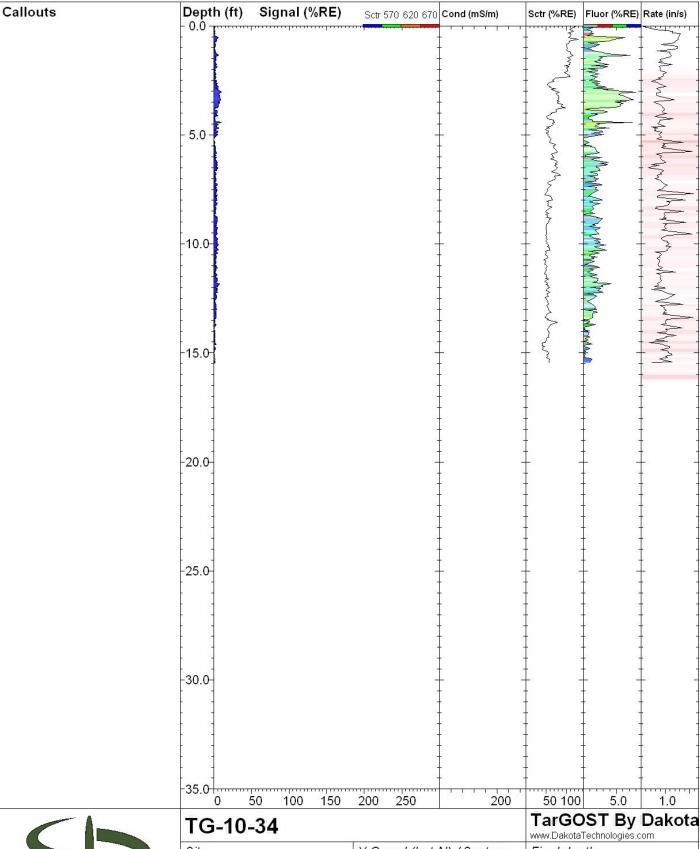


			TarGOST By Dakota www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	3.60 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	9.8 %RE @ 1.12 ft
3	Operator / Unit:	Elevation:	Date & Time:
1	T. Olsonawski / TG1003	Unavailable	2011-01-21 11:14 EST



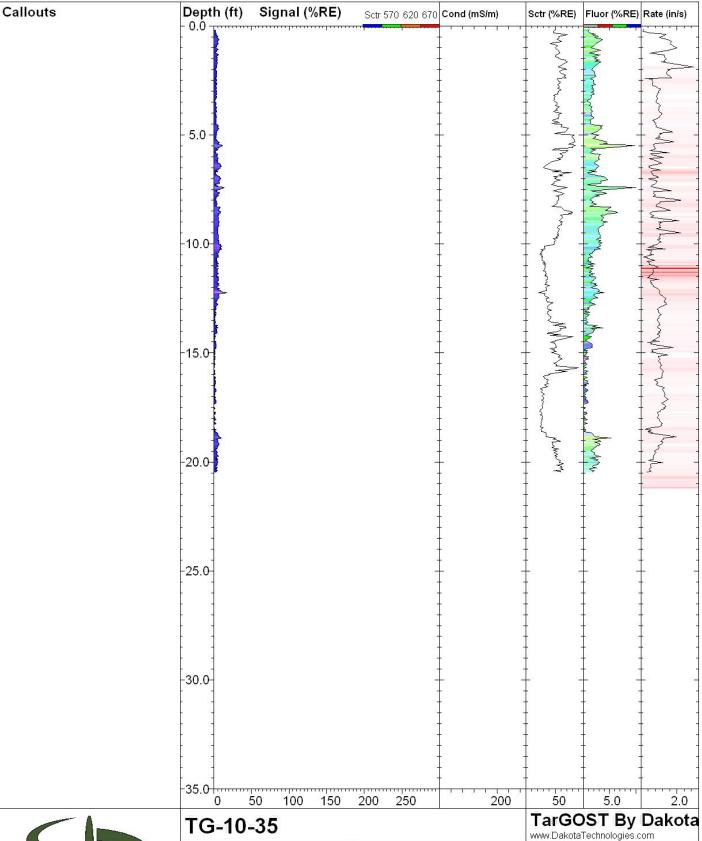


TG-10-33	49	TarGOST By Dakota www.DakotaTechnologies.com
Site:	Y Coord.(Lat-N) / System:	Final depth:
East Station Former MGP	Unavailable / NA	9.17 ft
Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
H&A /	Unavailable / NA	8.3 %RE @ 2.66 ft
Operator / Unit:	Elevation:	Date & Time:
T. Olsonawski / TG1003	Unavailable	2011-01-21 09:54 EST



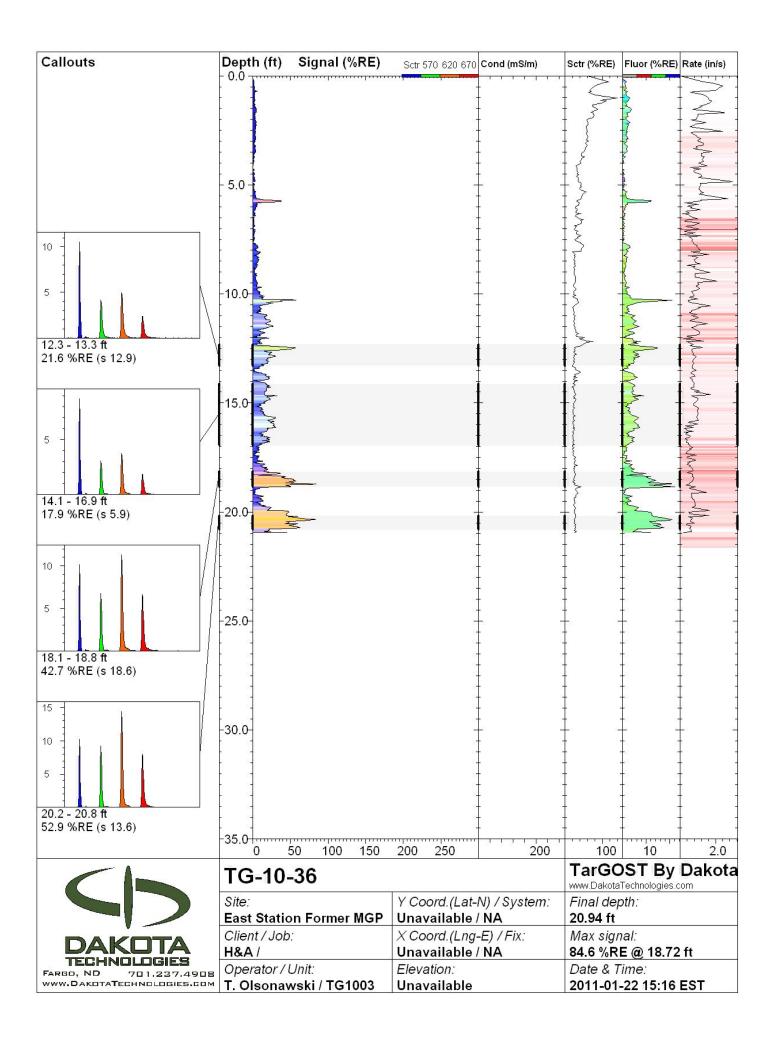


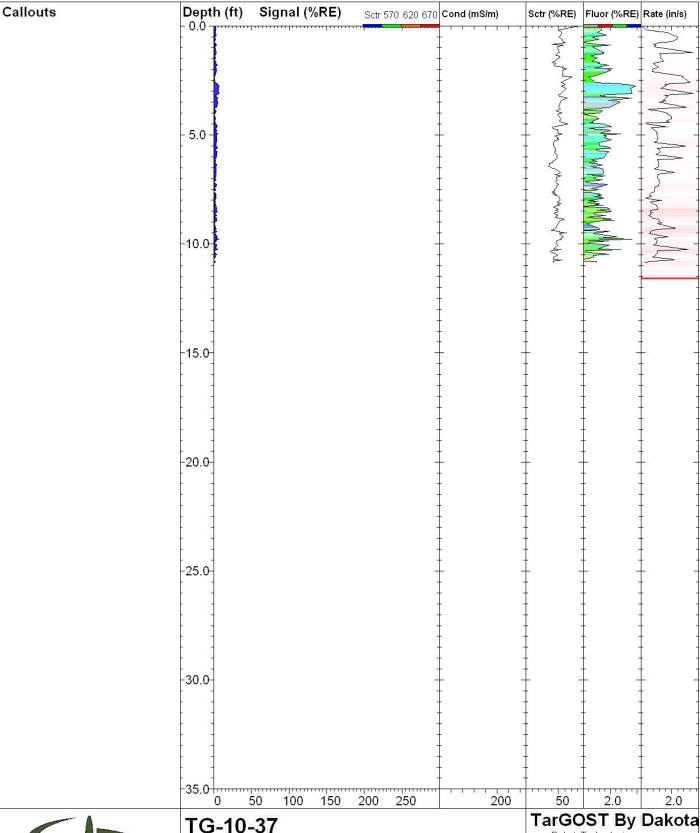
			TarGOST By Dakota www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	15.46 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	10.5 %RE @ 4.43 ft
3	Operator / Unit:	Elevation:	Date & Time:
1	T. Olsonawski / TG1003	Unavailable	2011-01-21 10:16 EST





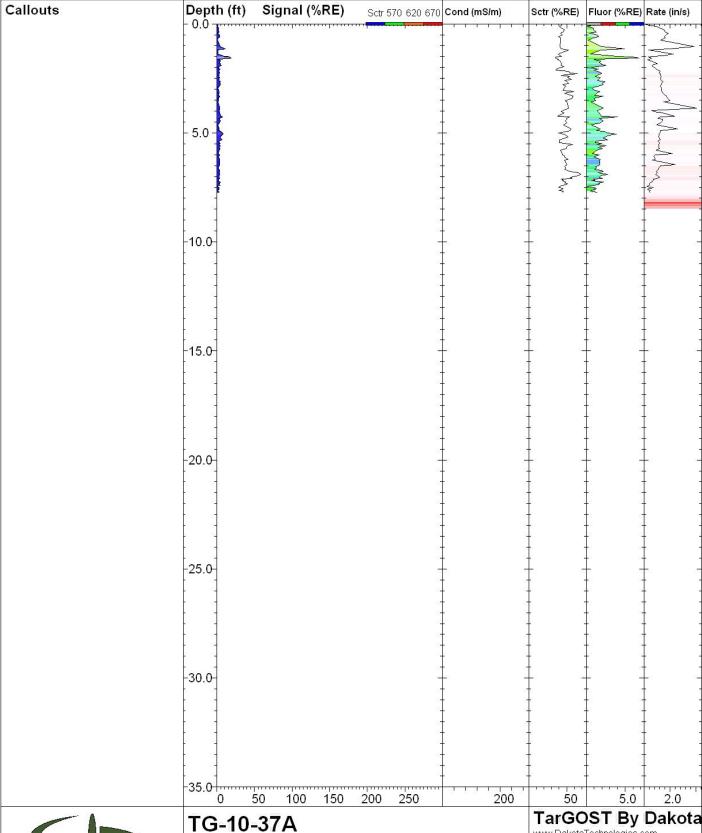
TG-10-35		TarGOST By Dakota www.DakotaTechnologies.com
Site:	Y Coord.(Lat-N) / System:	Final depth:
East Station Former MGP	Unavailable / NA	20.46 ft
Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
H&A /	Unavailable / NA	18.2 %RE @ 12.25 ft
Operator / Unit:	Elevation:	Date & Time:
T. Olsonawski / TG1003	Unavailable	2011-01-21 10:53 EST





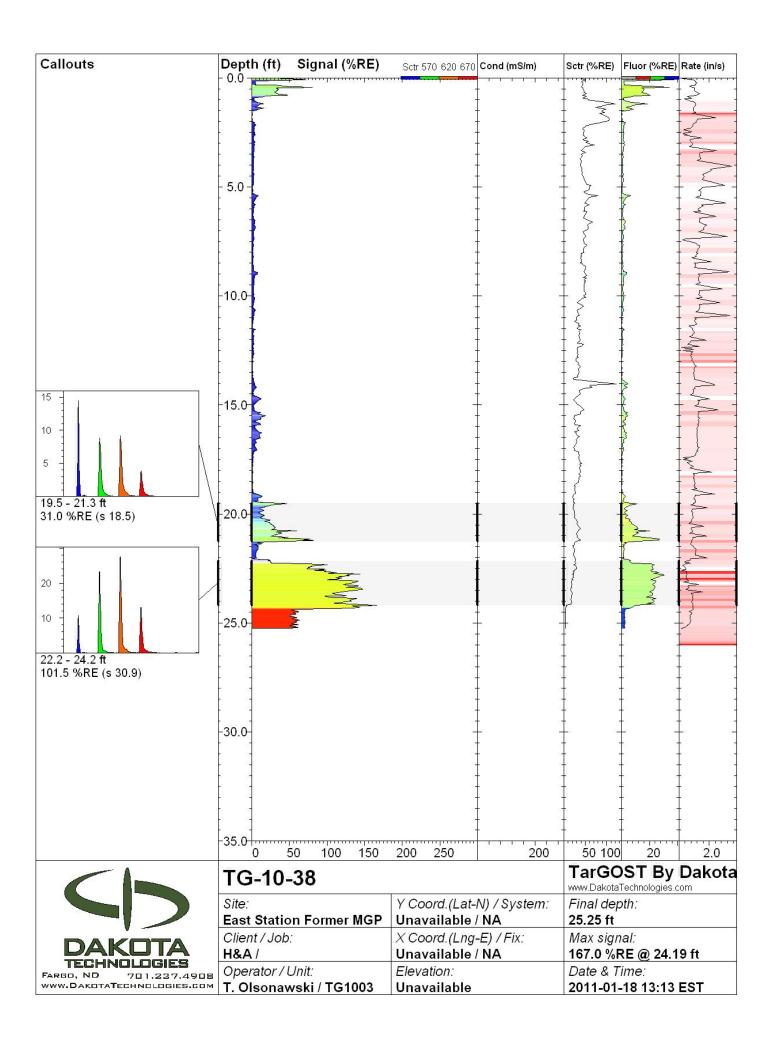


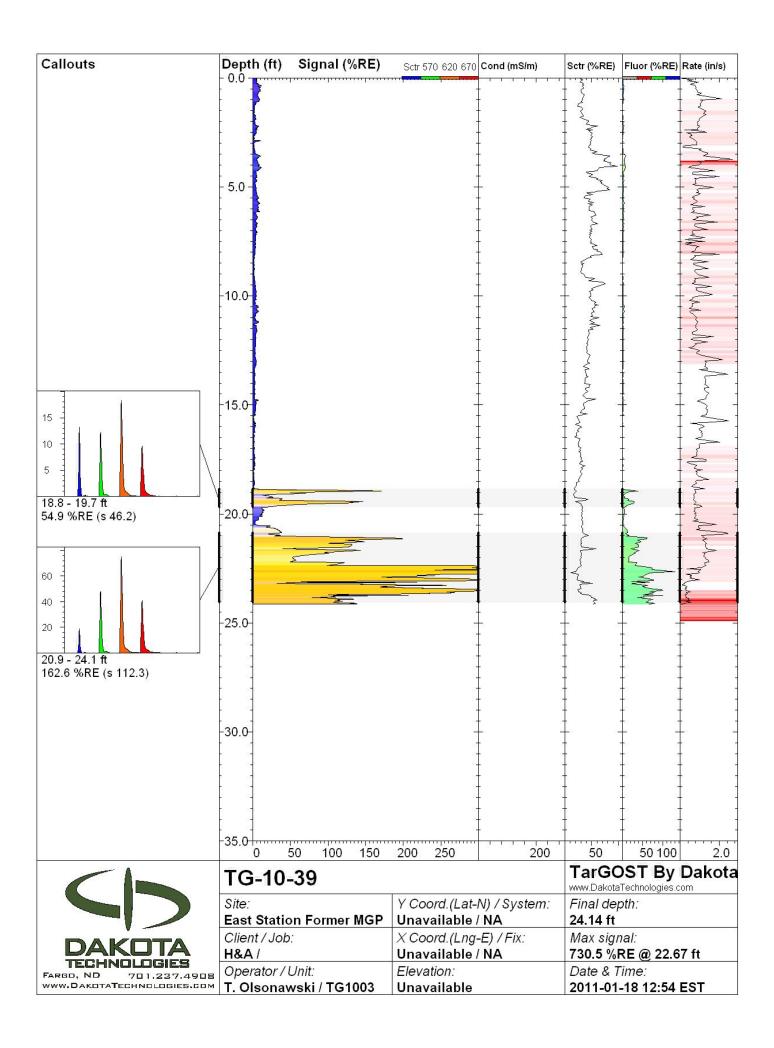
			TarGOST By Dakota www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	10.85 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	7.2 %RE @ 2.77 ft
3	Operator / Unit:	Elevation:	Date & Time:
1	T. Olsonawski / TG1003	Unavailable	2011-01-22 15:01 EST

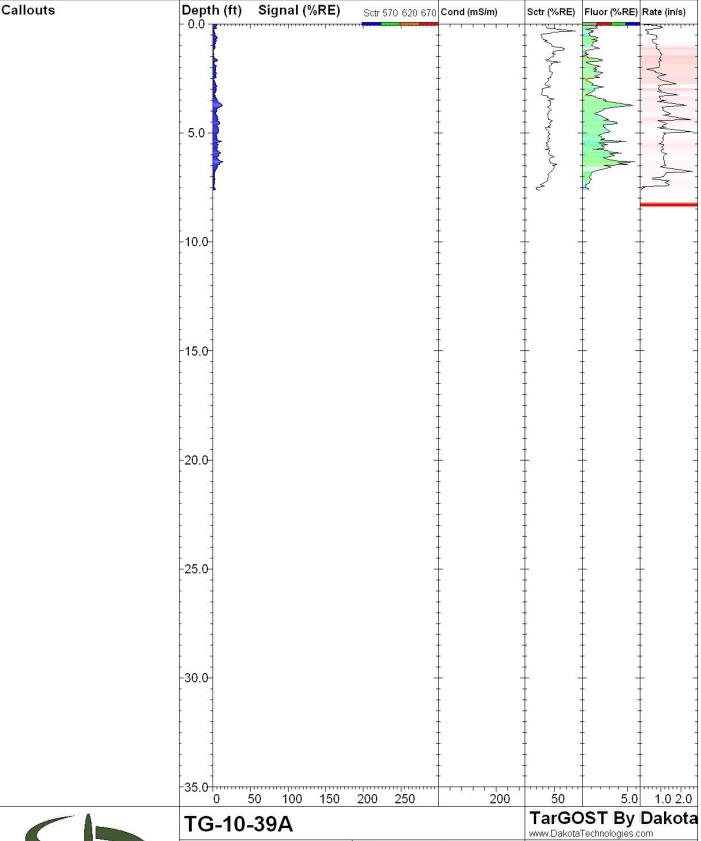




			TarGOST By Dakota www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	7.73 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	19.2 %RE @ 1.58 ft
	Operator / Unit:	Elevation:	Date & Time:
1	T. Olsonawski / TG1003	Unavailable	2011-01-22 14:53 EST

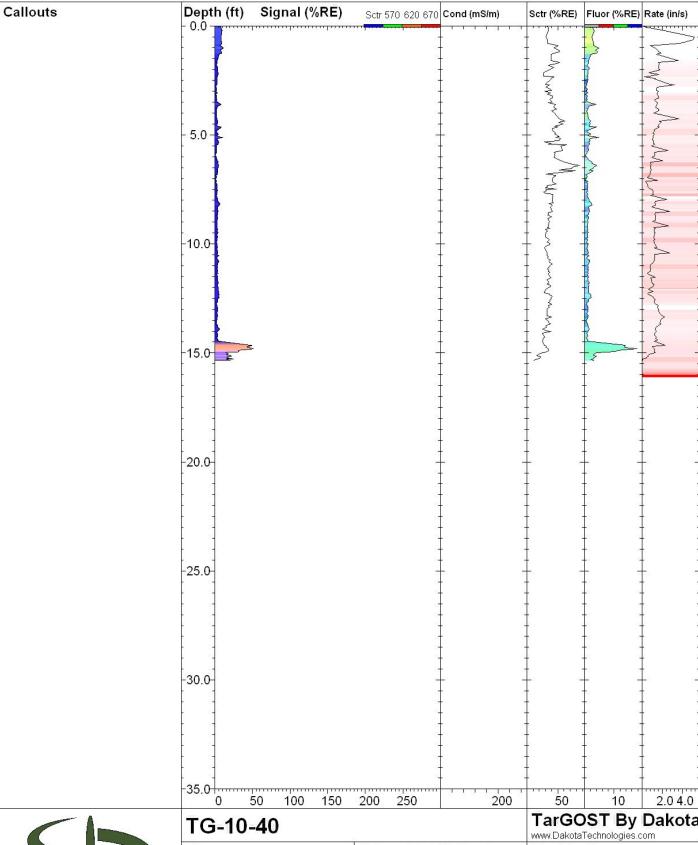






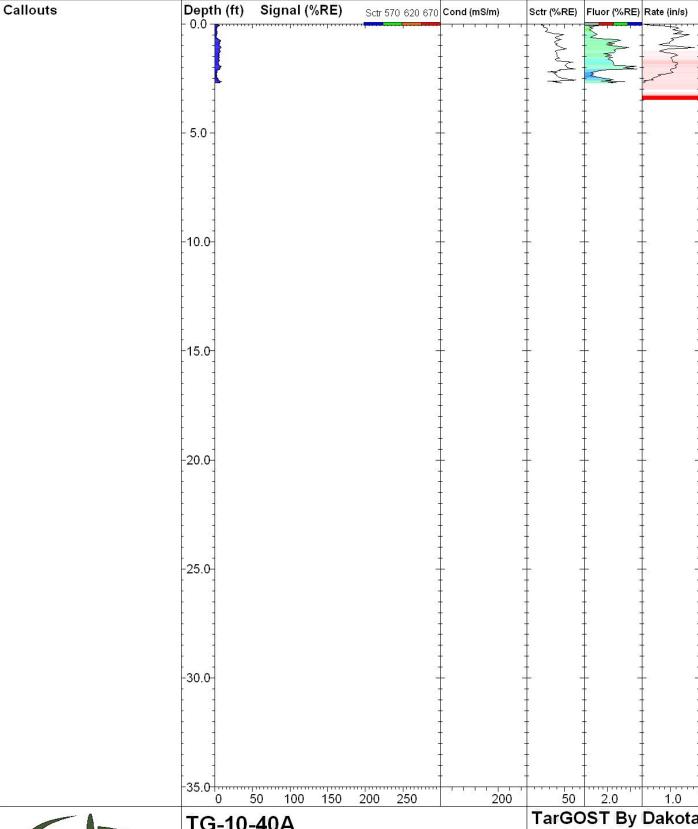


IG-10-39A		www.DakotaTechnologies.com	
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	7.63 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	13.7 %RE @ 6.32 ft
8	Operator / Unit:	Elevation:	Date & Time:
	T. Olsonawski / TG1003	Unavailable	2011-01-18 12:47 EST



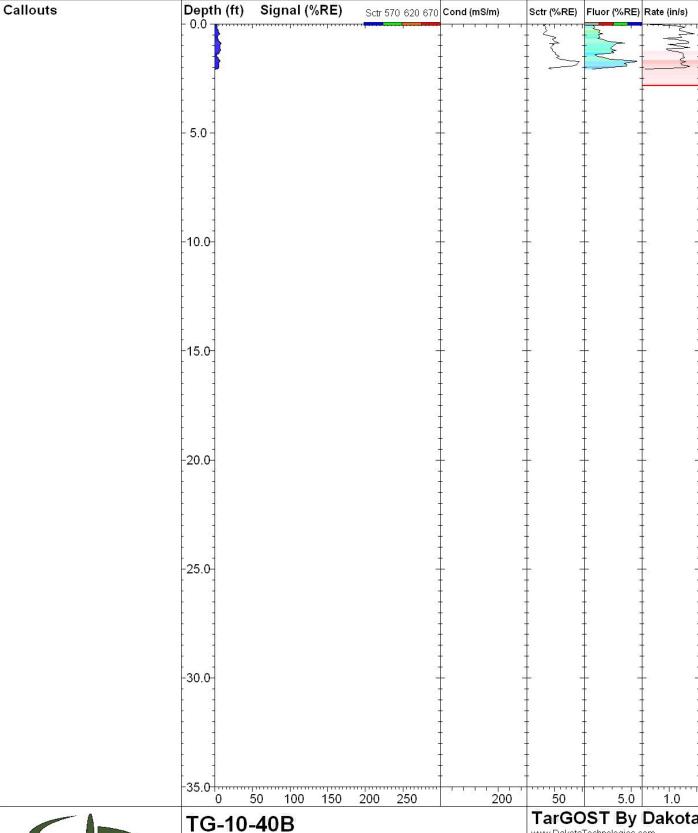


			TarGOST By Dakota www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	15.34 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	51.7 %RE @ 14.81 ft
3	Operator / Unit:	Elevation:	Date & Time:
1	T. Olsonawski / TG1003	Unavailable	2011-01-18 14:11 EST



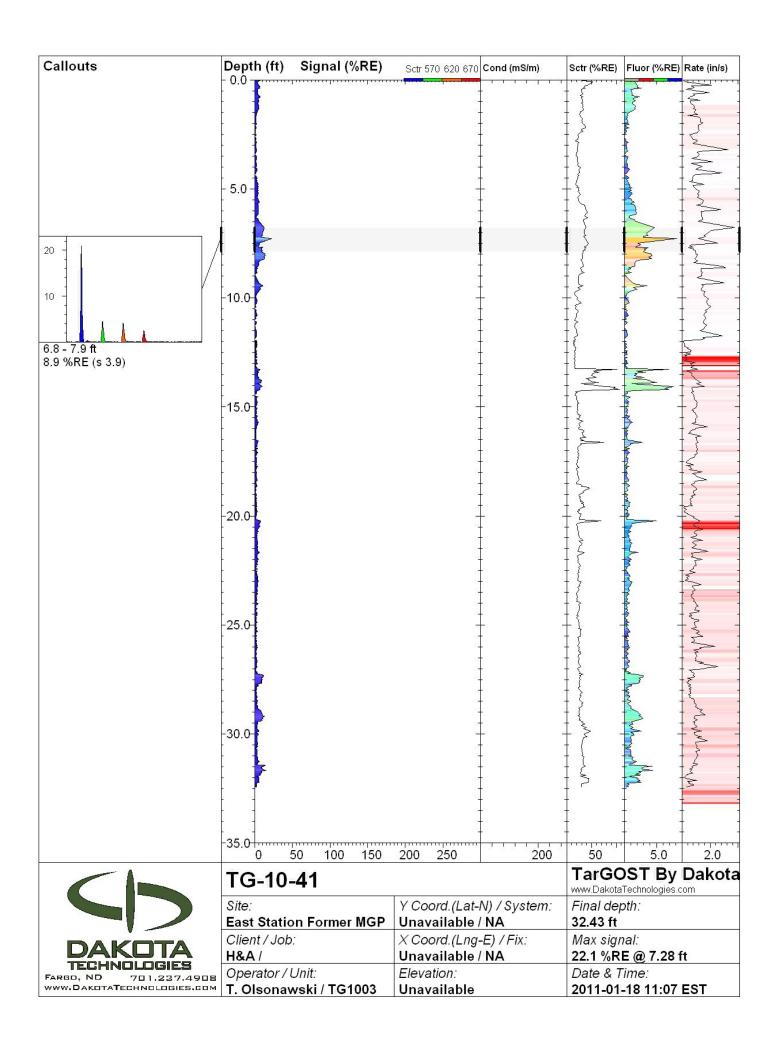


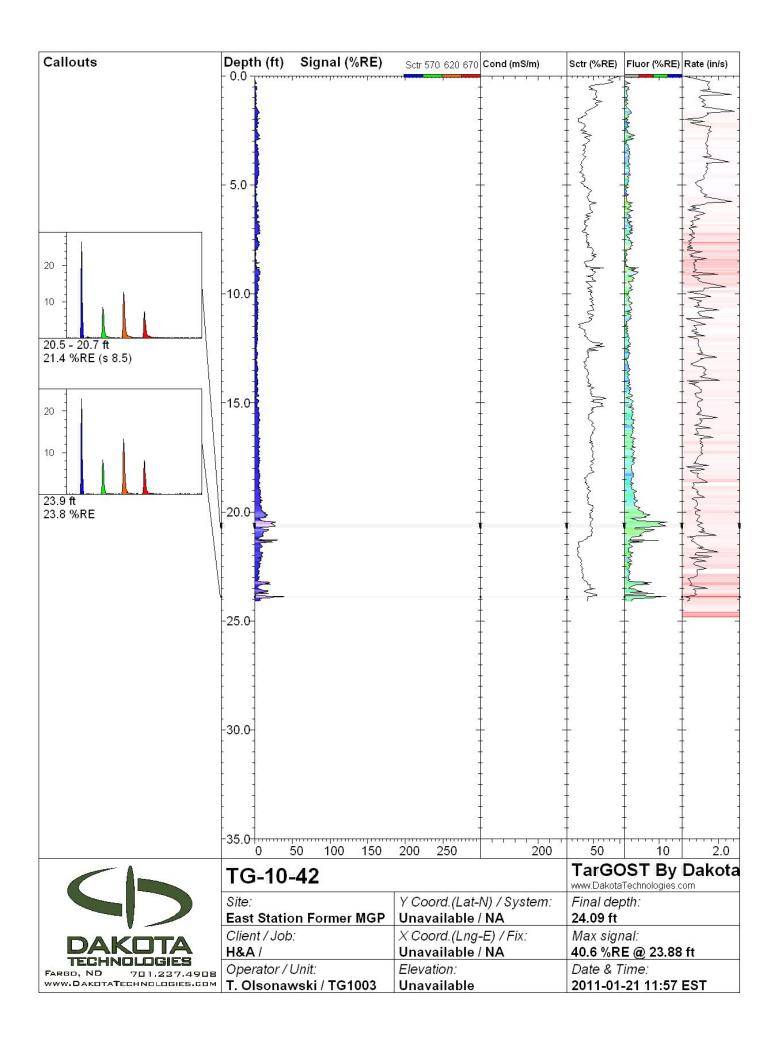
			TarGOST By Dakota www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	2.72 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	9.4 %RE @ 2.65 ft
3	Operator / Unit:	Elevation:	Date & Time:
4	T. Olsonawski / TG1003	Unavailable	2011-01-18 14:02 EST

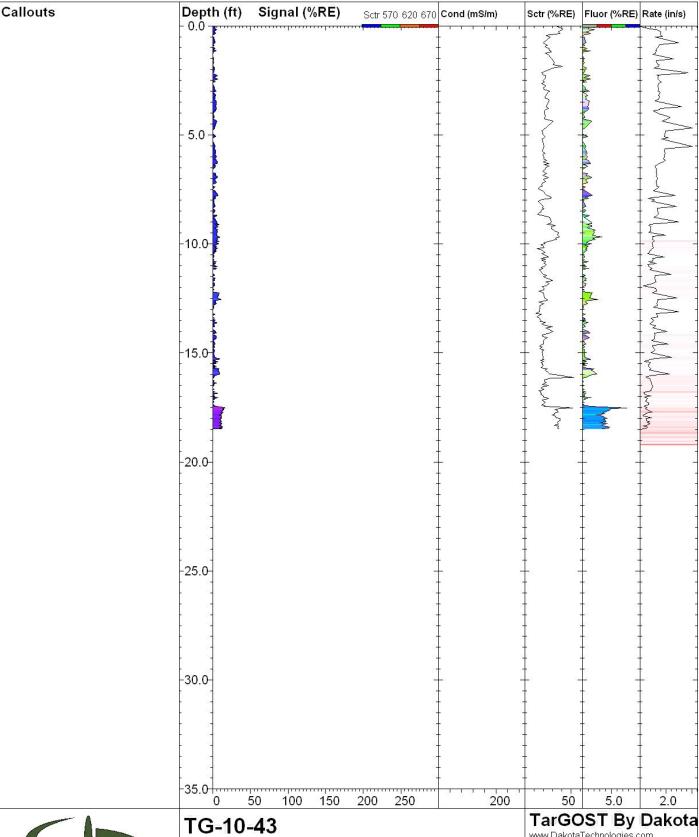




			TarGOST By Dakota www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	2.09 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	8.6 %RE @ 0.91 ft
	Operator / Unit:	Elevation:	Date & Time:
1	T. Olsonawski / TG1003	Unavailable	2011-01-18 14:07 EST

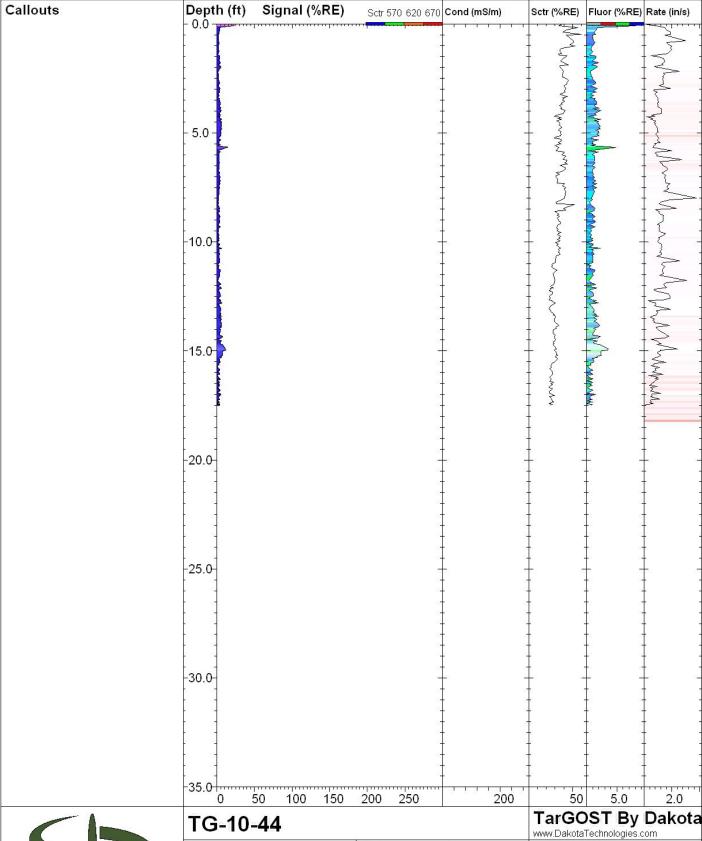






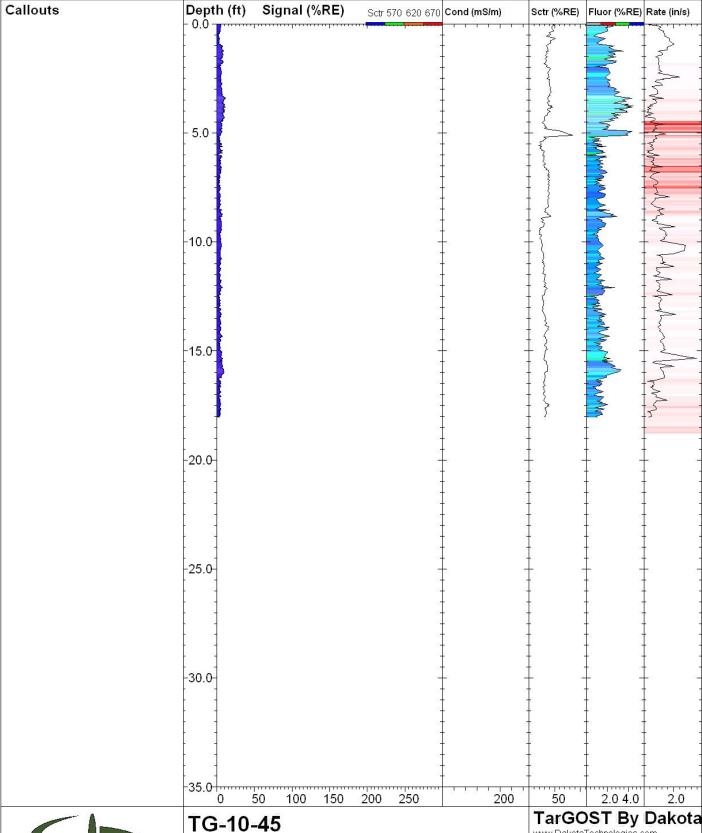


	TG-10-43		TarGOST By Dakota www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	18.48 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	16.0 %RE @ 17.51 ft
	Operator / Unit:	Elevation:	Date & Time:
1	T. Olsonawski / TG1003	Unavailable	2011-01-22 14:02 EST



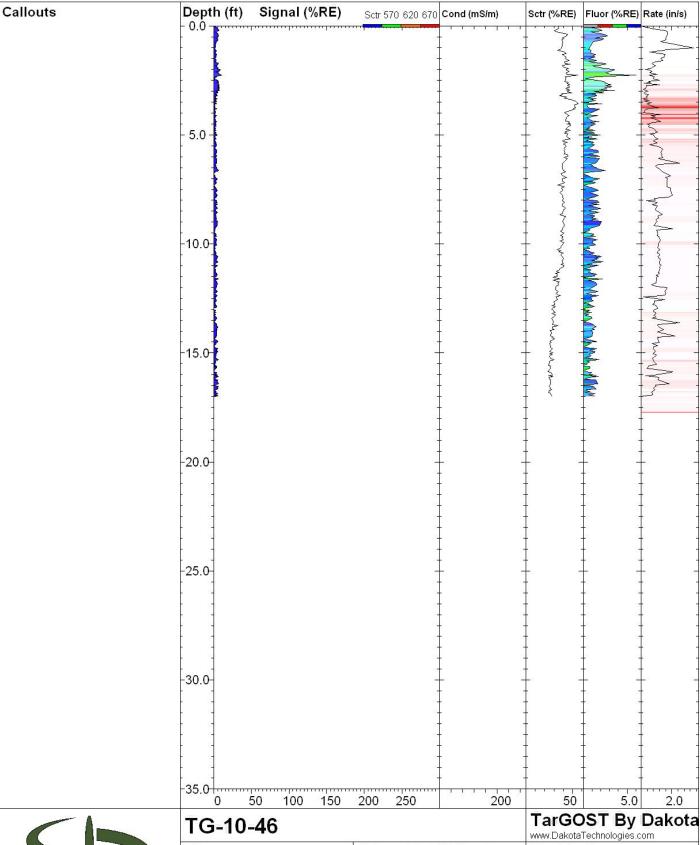


TG-10-44	40	TarGOST By Dakota www.DakotaTechnologies.com
Site:	Y Coord.(Lat-N) / System:	Final depth:
East Station Former MGP	Unavailable / NA	17.49 ft
Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
H&A /	Unavailable / NA	23.3 %RE @ 0.00 ft
Operator / Unit:	Elevation:	Date & Time:
T. Olsonawski / TG1003	Unavailable	2011-01-22 13:22 EST



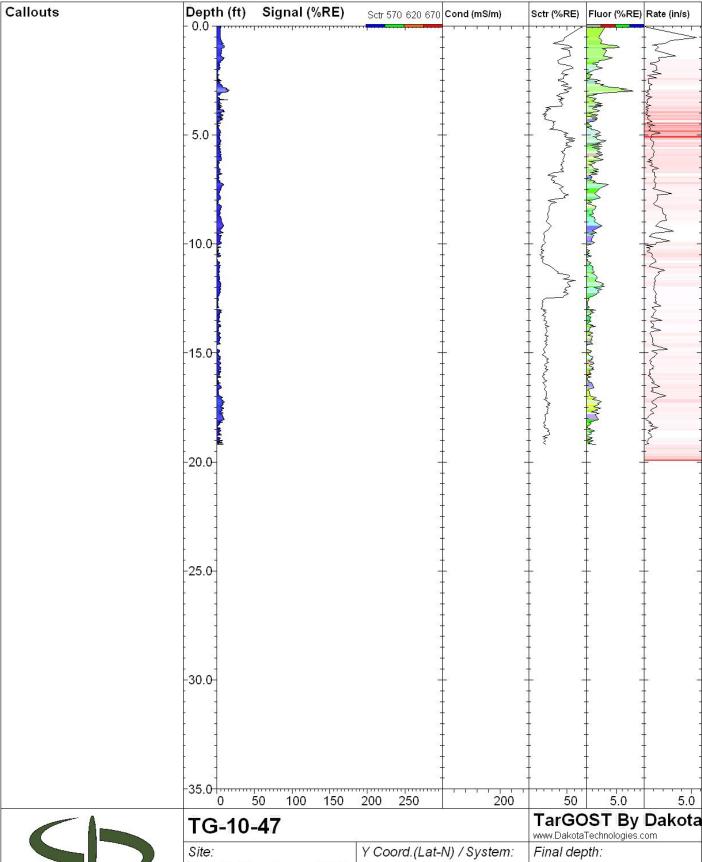


			TarGOST By Dakota www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	18.03 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	11.7 %RE @ 3.41 ft
3	Operator / Unit:	Elevation:	Date & Time:
1	T. Olsonawski / TG1003	Unavailable	2011-01-22 13:02 EST



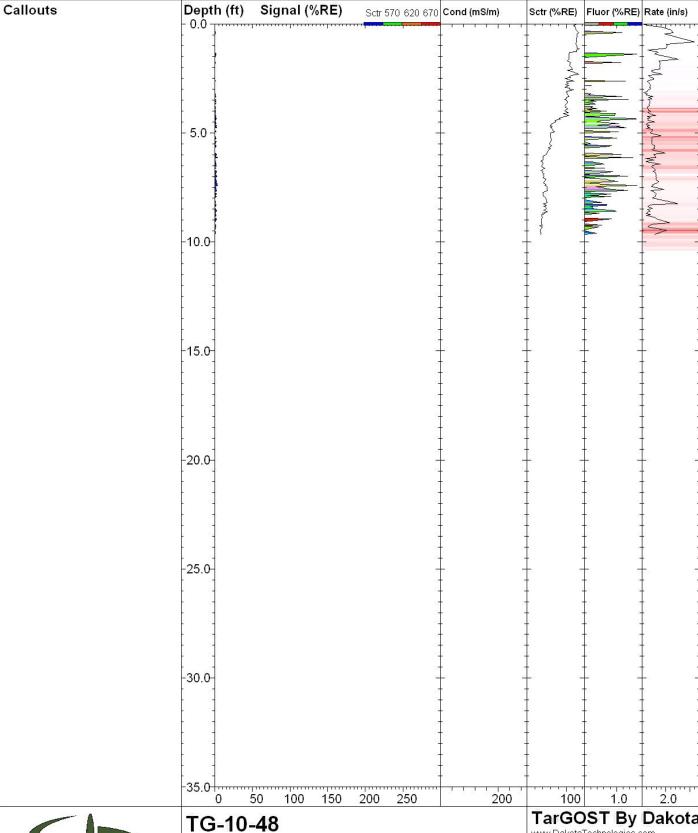


			TarGOST By Dakota www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	16.99 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	10.8 %RE @ 2.26 ft
3	Operator / Unit:	Elevation:	Date & Time:
4	T. Olsonawski / TG1003	Unavailable	2011-01-22 12:31 EST



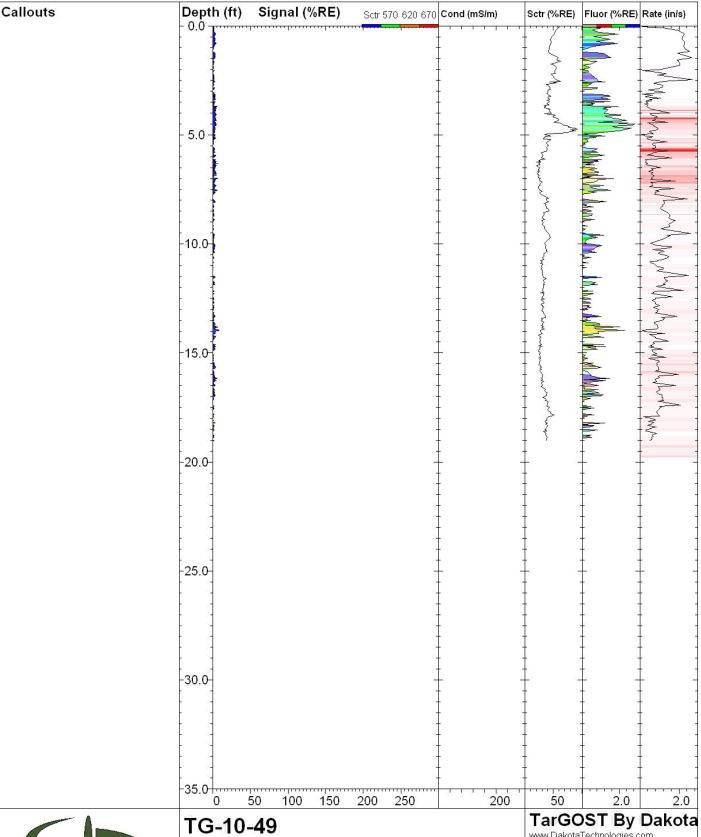


IG-10-47	16	www.DakotaTechnologies.com
Site:	Y Coord.(Lat-N) / System:	Final depth:
East Station Former MGP	Unavailable / NA	19.20 ft
Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
H&A /	Unavailable / NA	17.0 %RE @ 2.94 ft
Operator / Unit:	Elevation:	Date & Time:
T. Olsonawski / TG1003	Unavailable	2011-01-22 11:28 EST



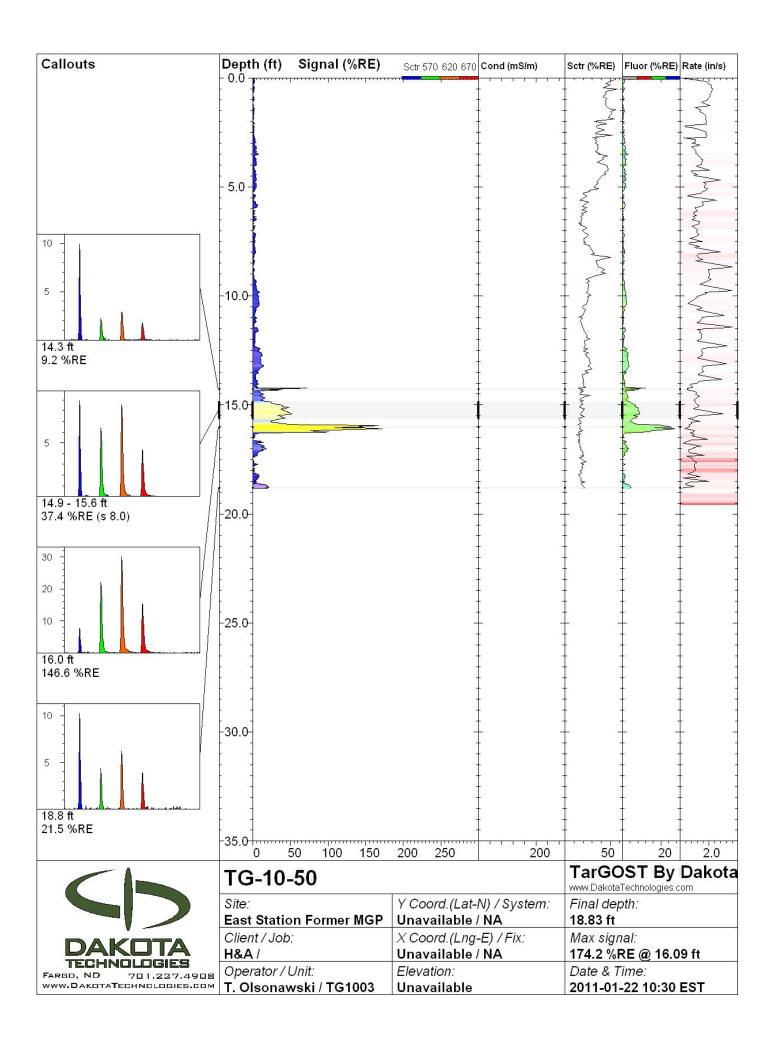


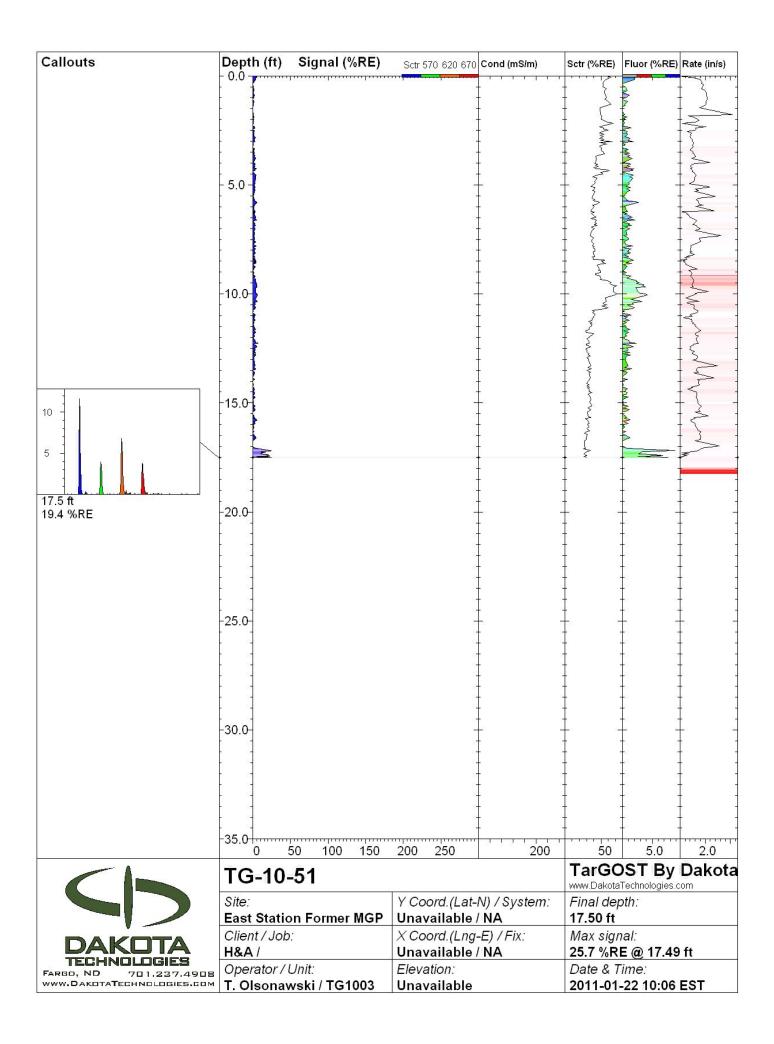
TG-10-48		TarGOST By Dakota www.DakotaTechnologies.com
Site:	Y Coord.(Lat-N) / System:	Final depth:
East Station Former MGP	Unavailable / NA	9.66 ft
Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
H&A /	Unavailable / NA	3.7 %RE @ 6.14 ft
Operator / Unit:	Elevation:	Date & Time:
T. Olsonawski / TG1003	Unavailable	2011-01-22 11:06 EST

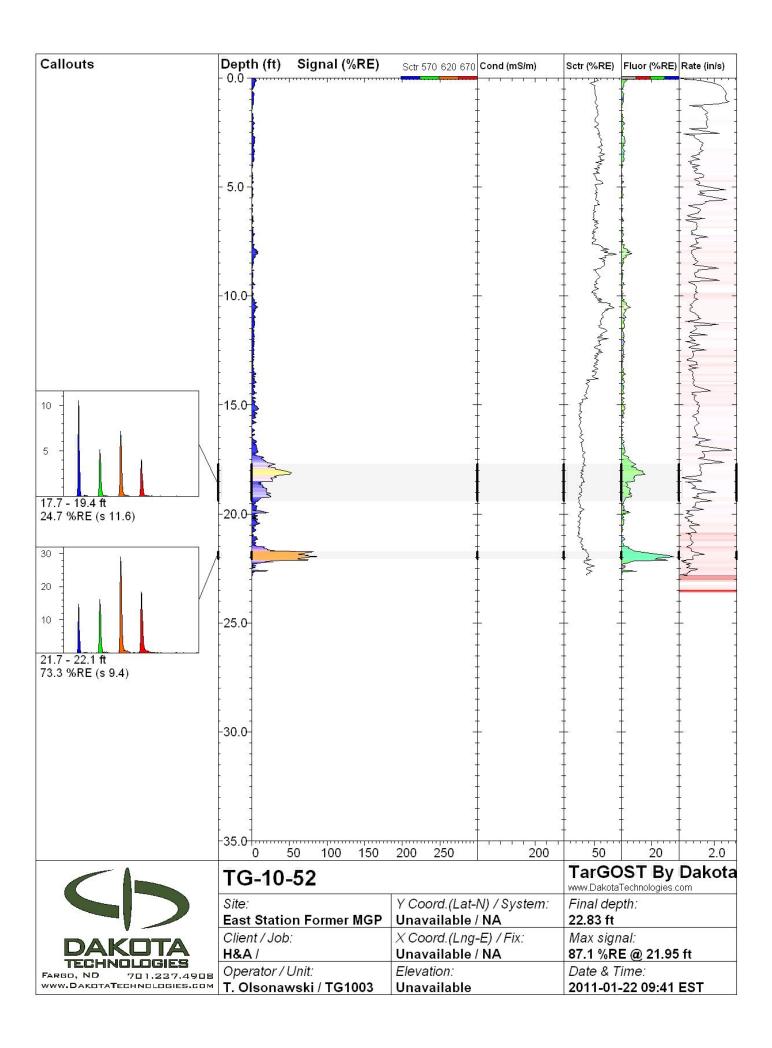


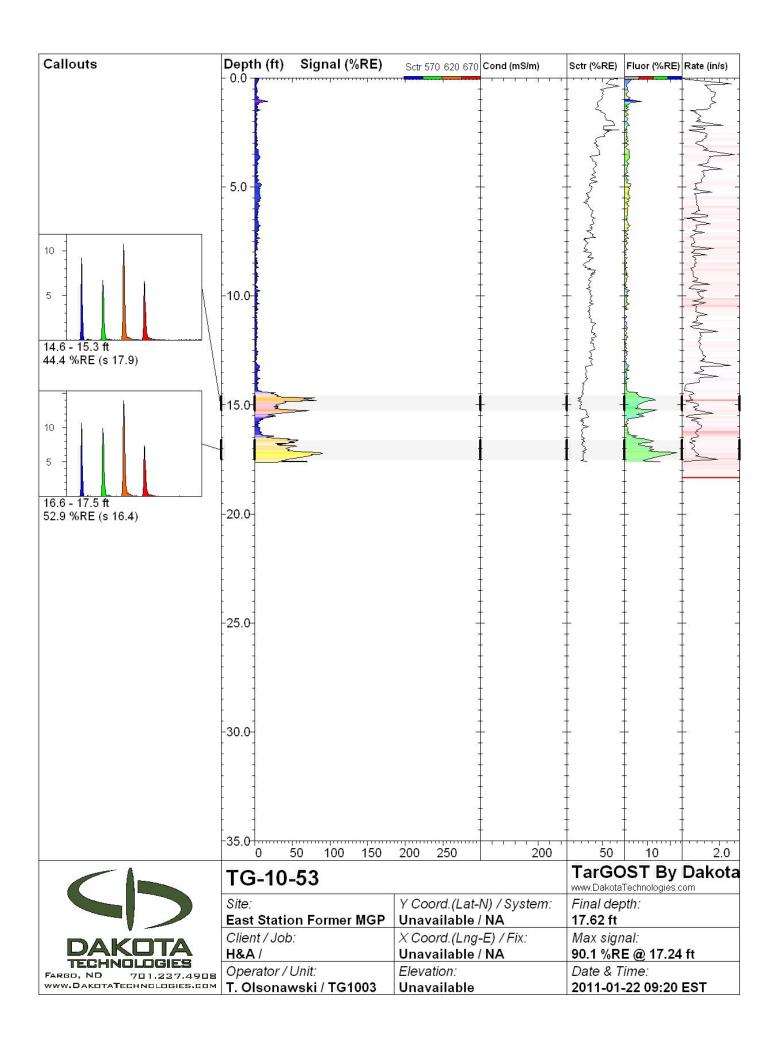


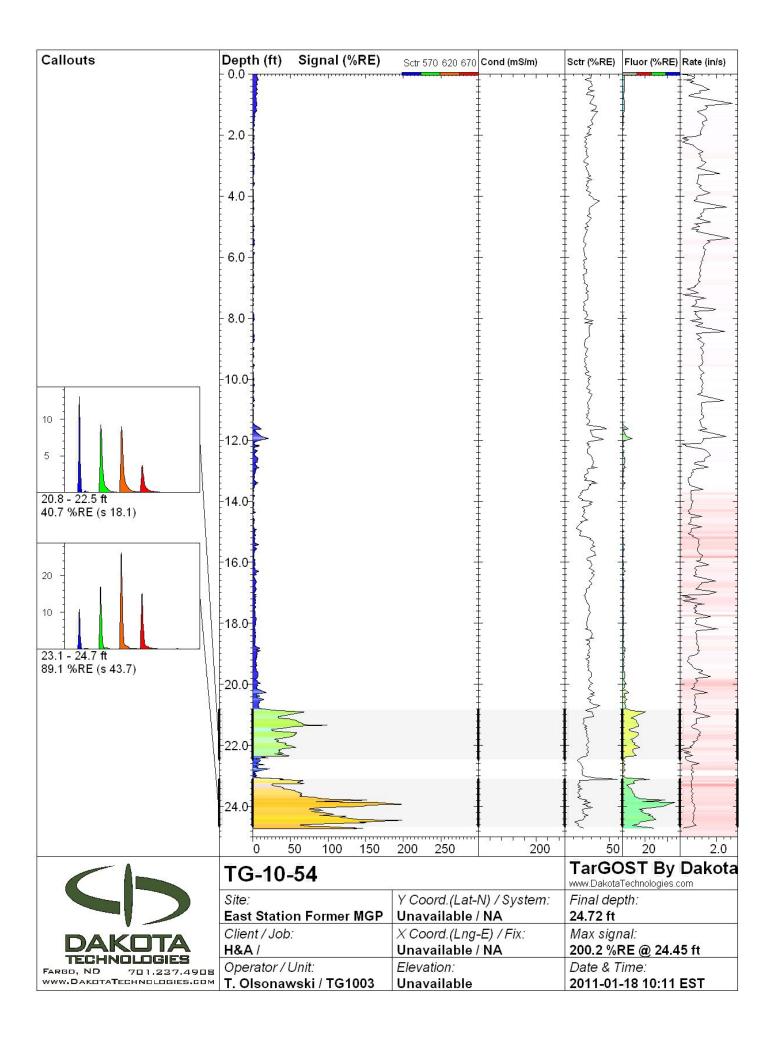
TG-10-49	44	TarGOST By Dakota www.DakotaTechnologies.com
Site:	Y Coord.(Lat-N) / System:	Final depth:
East Station Former MGP	Unavailable / NA	19.03 ft
Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
H&A /	Unavailable / NA	8.5 %RE @ 13.97 ft
Operator / Unit:	Elevation:	Date & Time:
T. Olsonawski / TG1003	Unavailable	2011-01-22 10:50 EST

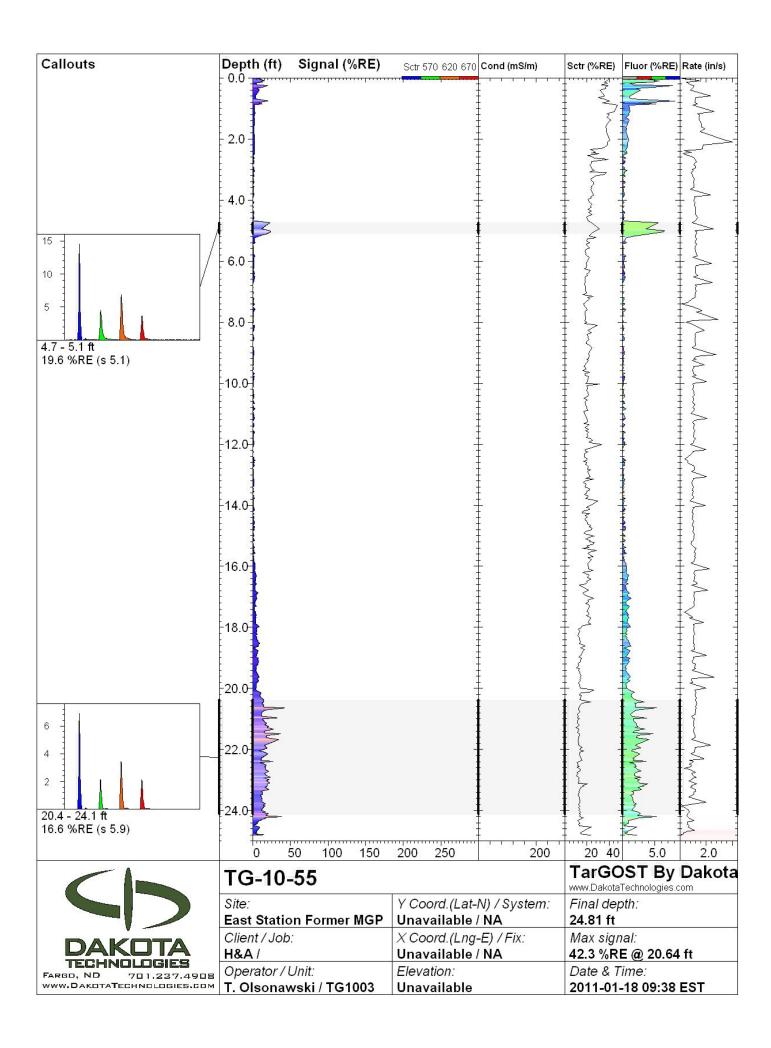


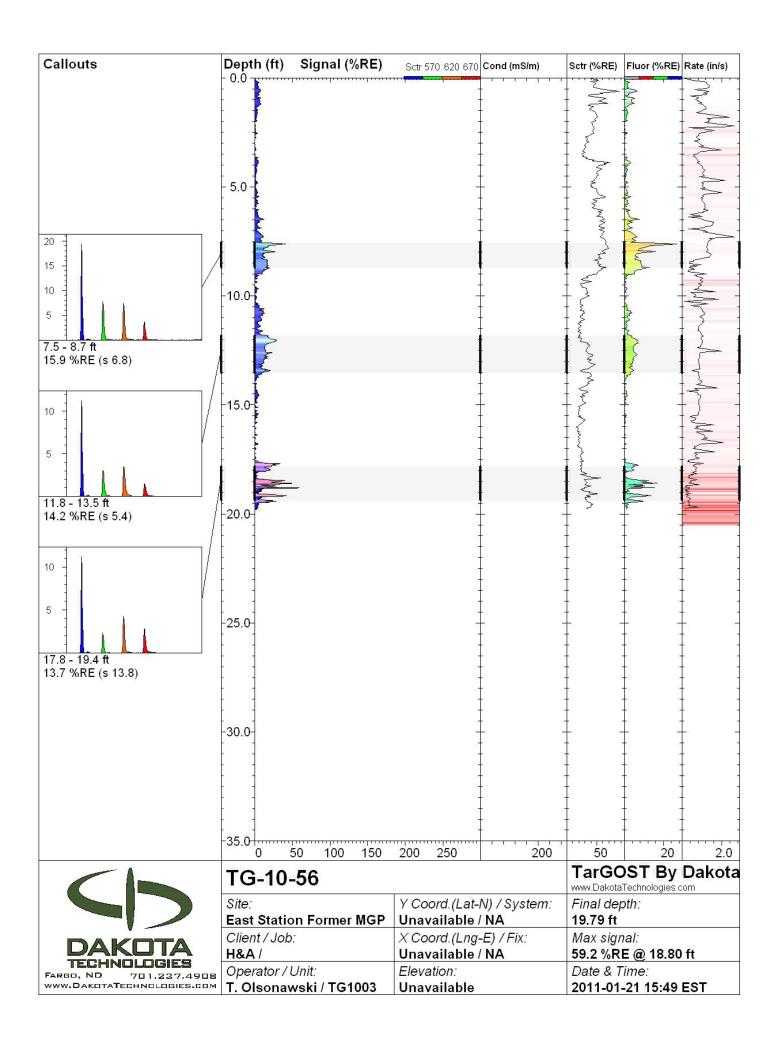


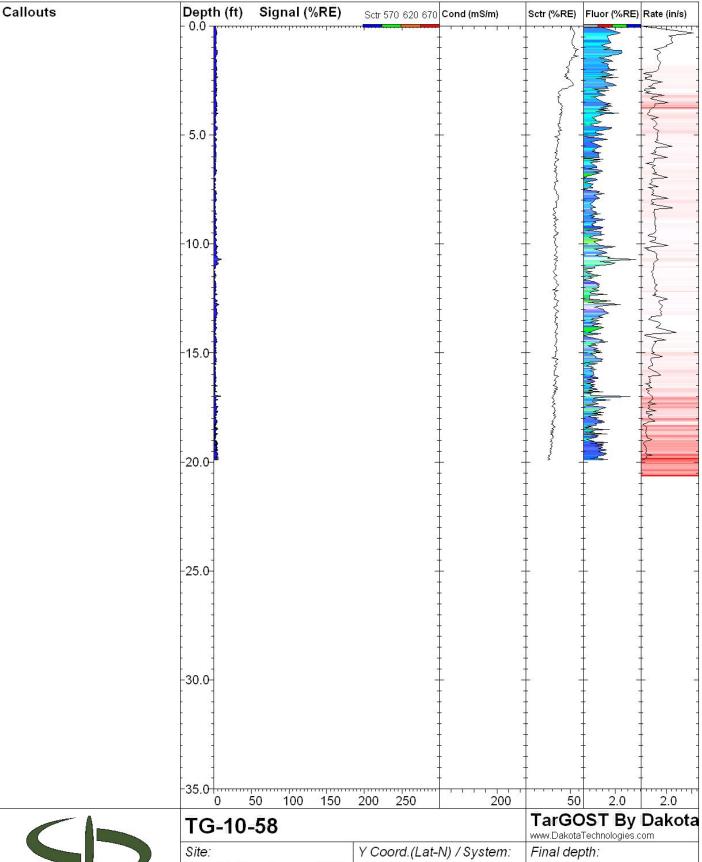






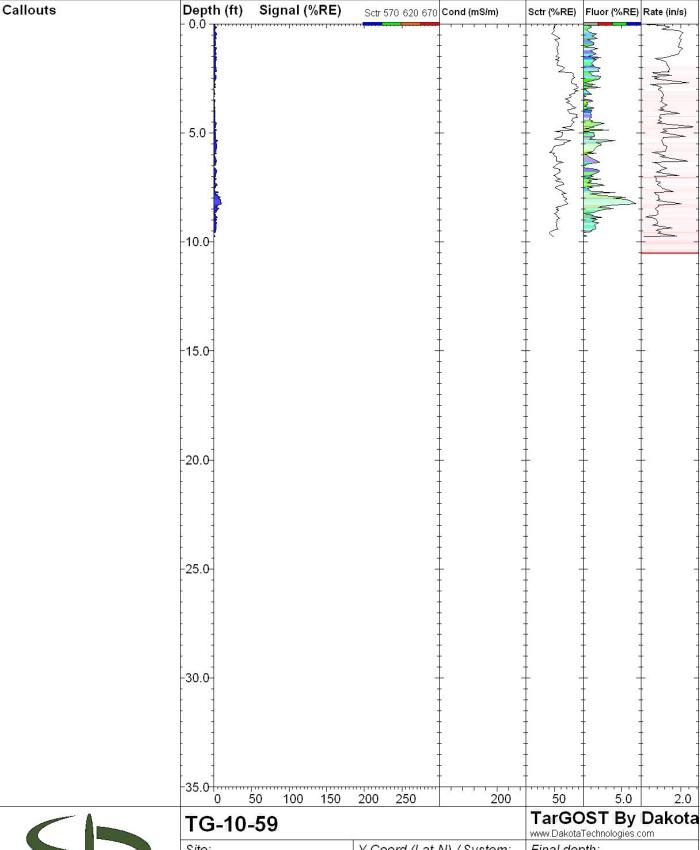






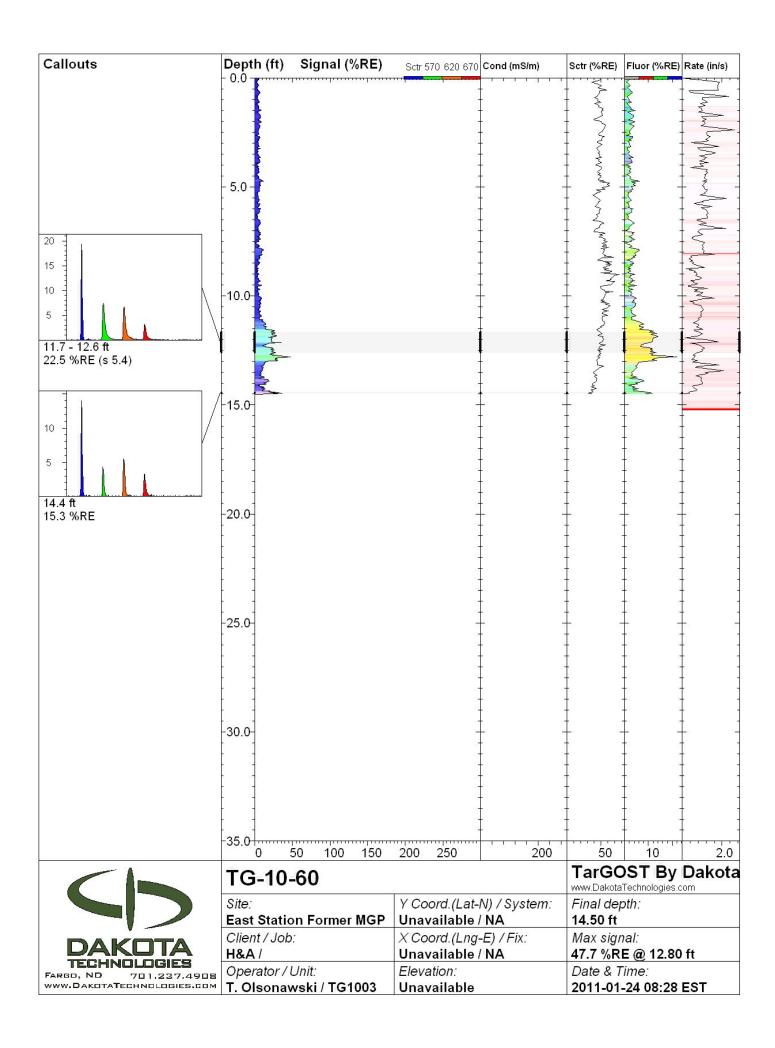


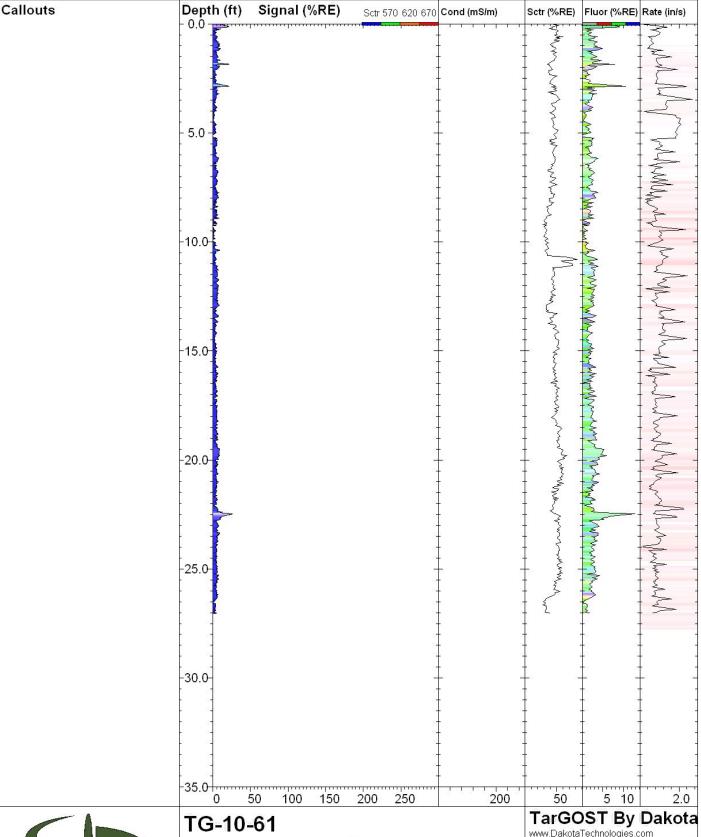
TG-10-58	44	TarGOST By Dakota www.DakotaTechnologies.com
Site:	Y Coord.(Lat-N) / System:	Final depth:
East Station Former MGP	Unavailable / NA	19.91 ft
Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
H&A /	Unavailable / NA	10.3 %RE @ 10.70 ft
Operator / Unit:	Elevation:	Date & Time:
T. Olsonawski / TG1003	Unavailable	2011-01-19 11:05 EST





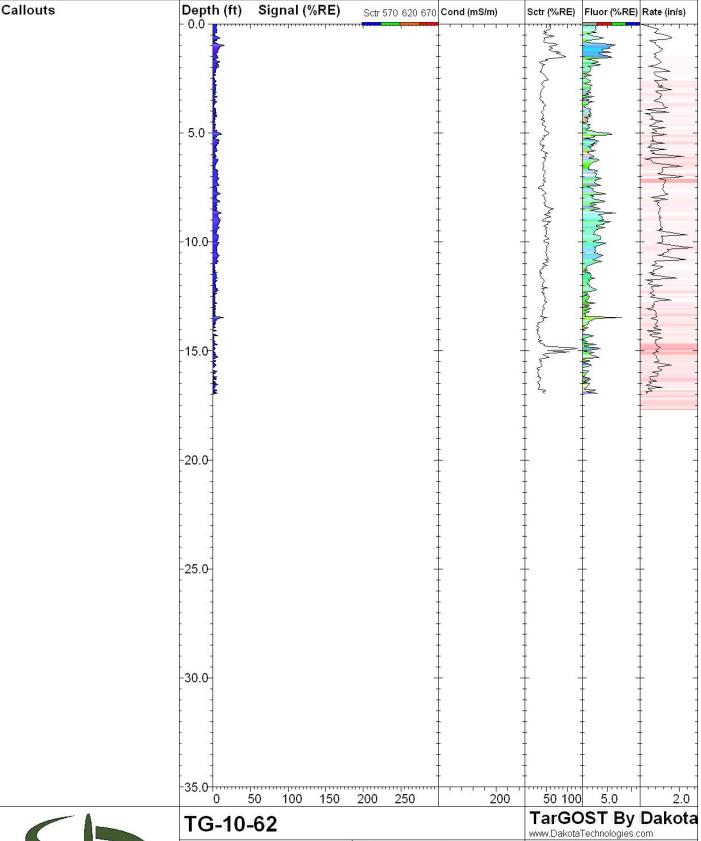
T	TG-10-59		TarGOST By Dakota www.DakotaTechnologies.com
Si	ite:	Y Coord.(Lat-N) / System:	Final depth:
E	ast Station Former MGP	Unavailable / NA	9.76 ft
C	lient / Job:	X Coord.(Lng-E) / Fix:	Max signal:
H	&A /	Unavailable / NA	9.6 %RE @ 8.26 ft
0	perator / Unit:	Elevation:	Date & Time:
¹ T.	Olsonawski / TG1003	Unavailable	2011-01-21 10:04 EST





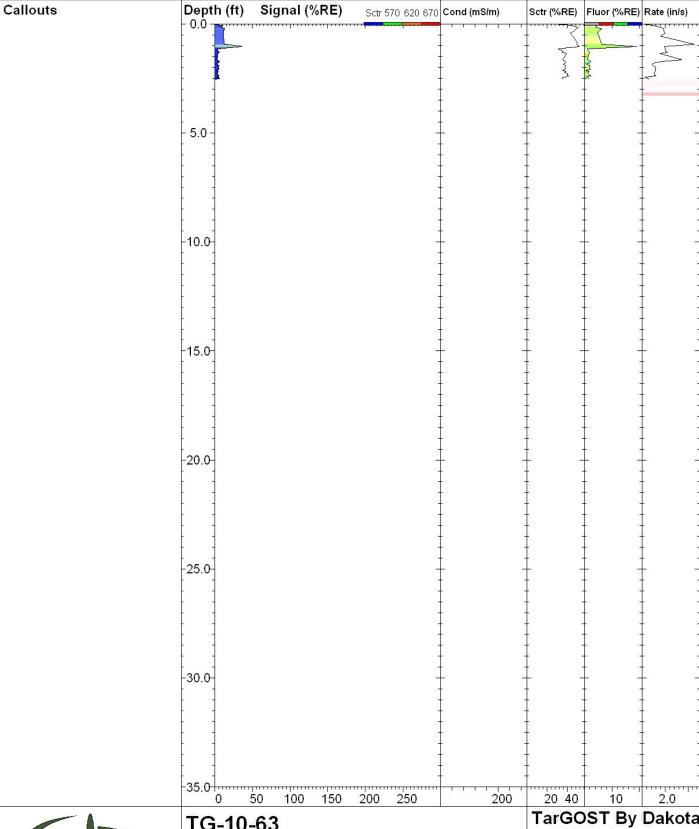


	TG-10-61		TarGOST By Dakota www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	27.03 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	26.5 %RE @ 22.47 ft
g	Operator / Unit:	Elevation:	Date & Time:
1	T. Olsonawski / TG1003	Unavailable	2011-01-24 08:49 EST



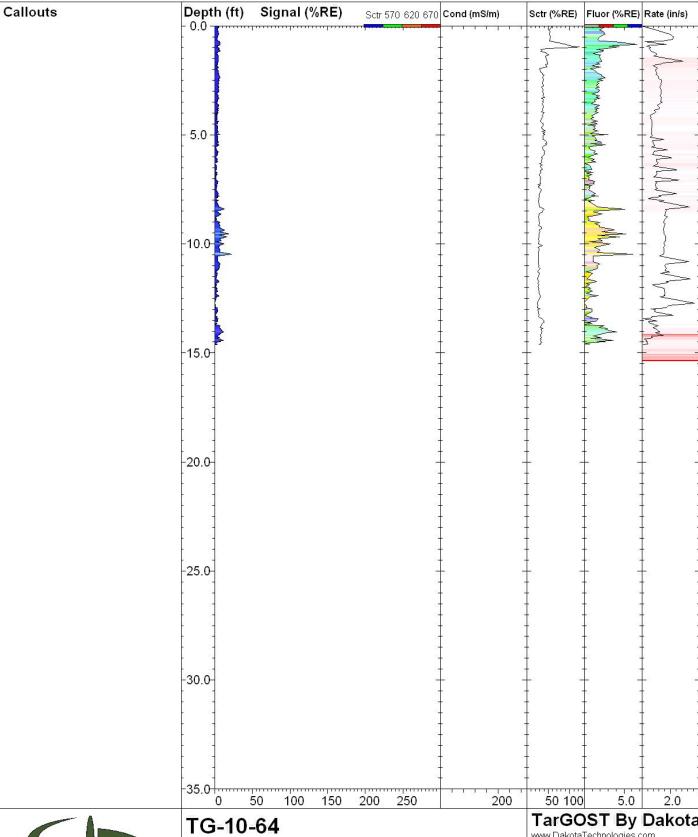


TG-10-62		larGOS I By Dakota www.DakotaTechnologies.com
Site:	Y Coord.(La	t-N) / System: Final depth:
East Station Forme	er MGP Unavailable	e / NA 16.96 ft
Client / Job:	X Coord.(Ln	g-E) / Fix: Max signal:
H&A /	Unavailable	e / NA 15.8 %RE @ 0.98 ft
Operator / Unit:	Elevation:	Date & Time:
T. Olsonawski / TG	1003 Unavailable	e 2011-01-24 09:14 EST



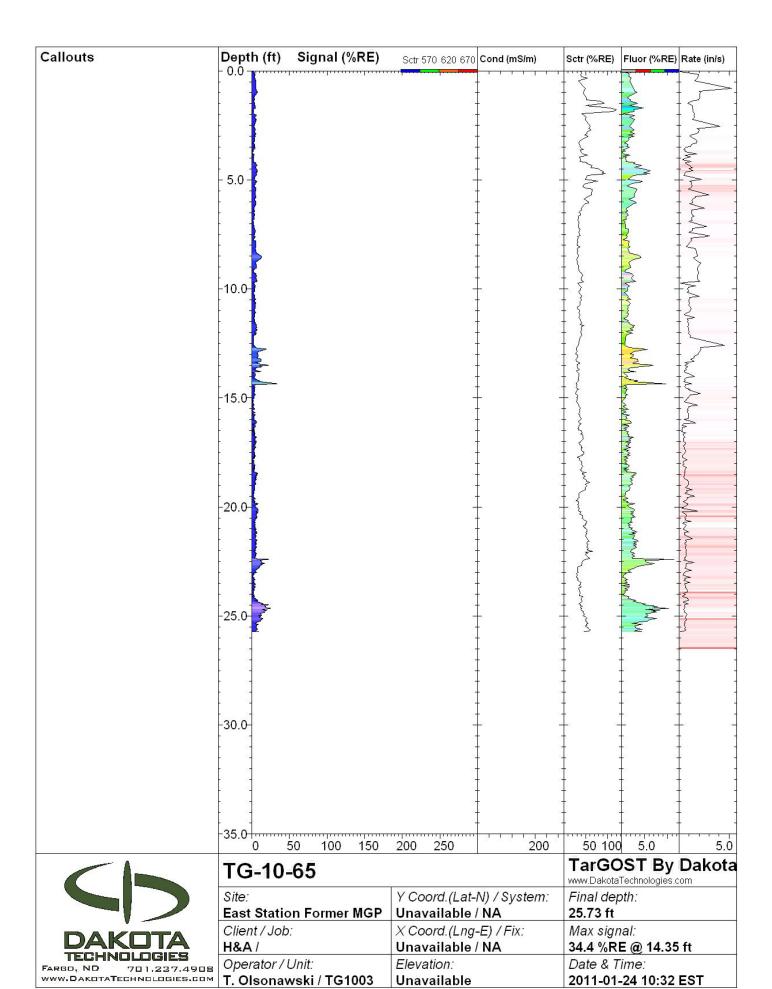


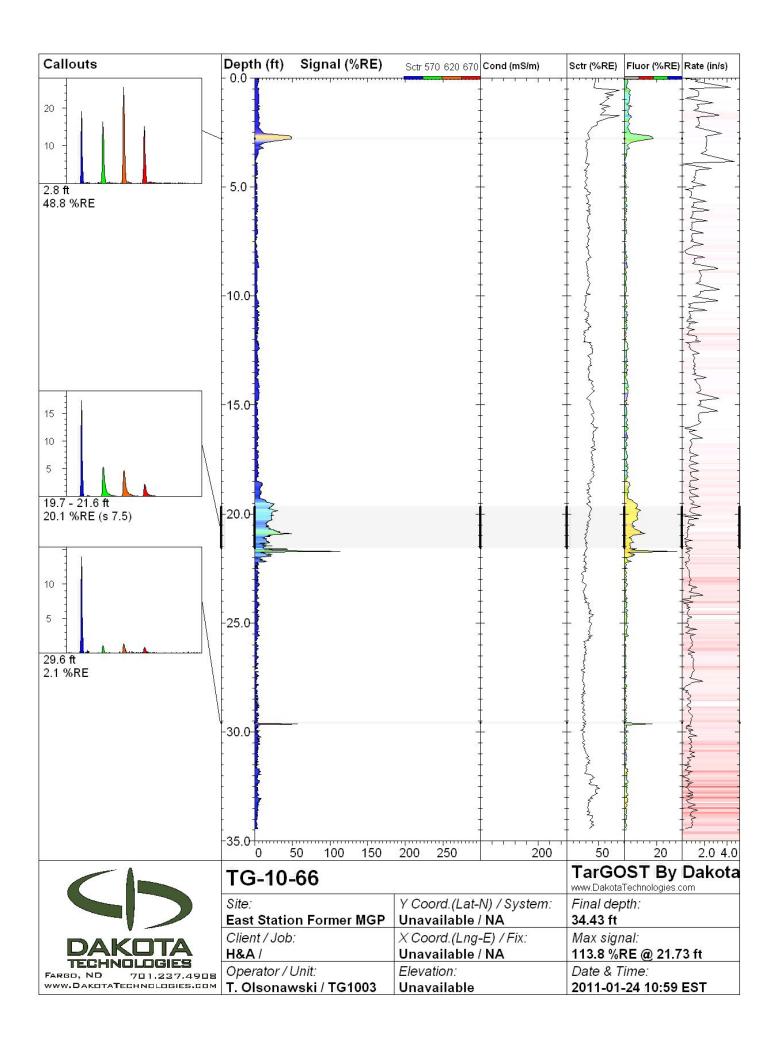
I G-10-63		www.DakotaTechnologies.com
Site:	Y Coord.(Lat-N) / System:	Final depth:
East Station Former MGP	Unavailable / NA	2.54 ft
Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
H&A /	Unavailable / NA	37.0 %RE @ 1.04 ft
Operator / Unit:	Elevation:	Date & Time:
T. Olsonawski / TG1003	Unavailable	2011-01-24 09:55 EST
	Site: East Station Former MGP Client / Job: H&A / Operator / Unit:	Site: East Station Former MGP Client / Job: H&A / Operator / Unit: Y Coord.(Lat-N) / System: Unavailable / NA X Coord.(Lng-E) / Fix: Unavailable / NA Elevation:

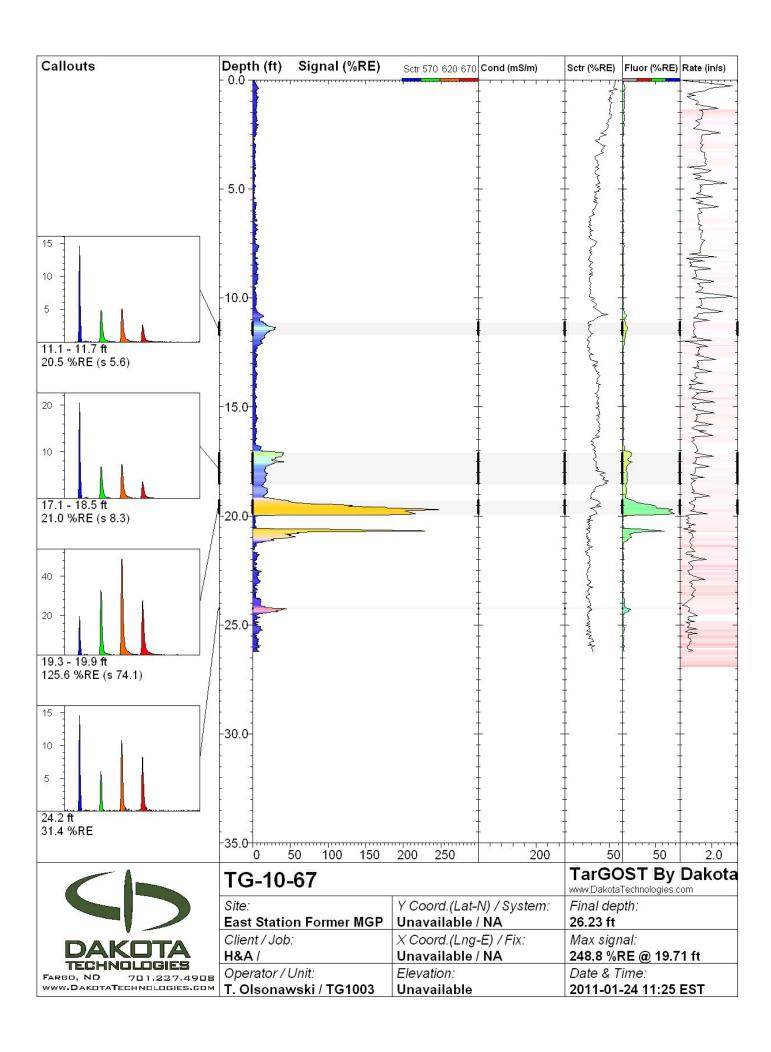


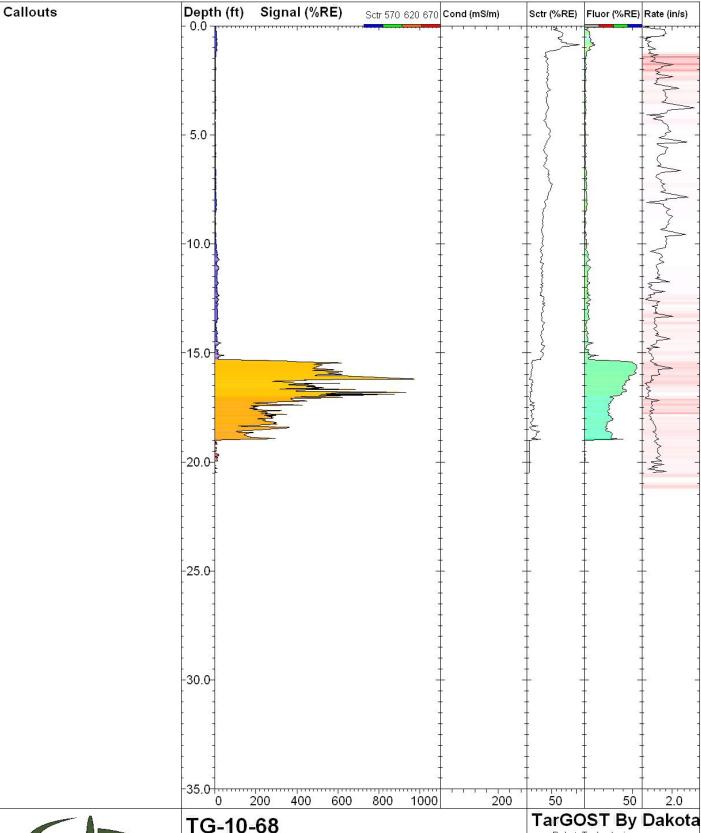


	TG-10-64		TarGOST By Dakota www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	14.62 ft
-	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	22.3 %RE @ 10.47 ft
, [Operator / Unit:	Elevation:	Date & Time:
1	T. Olsonawski / TG1003	Unavailable	2011-01-24 10:11 EST











	IG-10-68		www.DakotaTechnologies.com
	Site:	Y Coord.(Lat-N) / System:	Final depth:
	East Station Former MGP	Unavailable / NA	20.49 ft
	Client / Job:	X Coord.(Lng-E) / Fix:	Max signal:
	H&A /	Unavailable / NA	971.9 %RE @ 16.19 ft
3	Operator / Unit:	Elevation:	Date & Time:
	T. Olsonawski / TG1003	Unavailable	2011-01-24 11:46 EST