



STRATEGIC ENVIRONMENTAL, LLC

25 1/2 WATER STREET BALDWINSVILLE, NEW YORK 13027 TEL.: 315.635.8936 FAX: 315.635.2380 WWW.STRATEGICENV.COM

June 24, 2010

RECEIVED

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William Jesmore, P.E New York State Department of Environmental Conservation Dulles State Office Building 317 Washington Street Watertown, New York 13601 ENVIRUNMENTAL QUALITY REGION 6

REFERENCE: REVISED SOUTH TERMINAL IRM WORK PLAN

NEW YORK STATE ERP

Former AFMC Site, Sackets Harbor, NY

ERP Site Number E623014 SAC Number C303893

SE File:

09-761

Dear Mr. Jesmore:

Attached for your review are two (2) copies of the revised Interim Remedial Measures (IRM) Work Plan for soil excavation on the South Terminal parcel of the Former AFMC ERP site in Sackets Harbor. This Work Plan has been revised in response to comments from the NYSDOH.

Thank you very much for your assistance, if you have any questions of comments, please contact the undersigned.

Sincerely,

CC:

STRATEGIC ENVIRONMENTAL, LLC

Thomas R. Byrnes, P.G. Senior Project Manager

Hon. Eric Constance, Mayor, Village of Sackets Harbor

WORK PLAN

INTERIM REMEDIAL MEASURES

FORMER AFMC, INC. PETROLEUM BULK STORAGE FACILITY – SOUTH TERMINAL

ERP Site Number E623014

Ambrose Street Sackets Harbor, Jefferson County, New York

Revised June 23, 2010

SE Project No. 2009-761



Strategic Environmental, LLC 25 ½ Water Street Baldwinsville, New York 13027 (315) 635-8936

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WORK PLAN INTERIM REMEDIAL MEASURES FORMER AFMC, INC. PETROLEUM BULK STORAGE FACILITY SOUTH TERMINAL

ERP Site Number E623014

1.0 INTRODUCTION

The Former AFMC Bulk Petroleum Storage Terminals ERP Site (Site No. E623014) is located in the Village of Sackets Harbor, New York (Figure 1). The site consists of two separate parcels: one north of Ambrose Street (the North Terminal), and one south of Ambrose Street (the South Terminal). A Remedial Investigation (RI) of both parcels has recently been completed by Strategic Environmental, LLC (SE) and a RI/AA Report is being prepared. The RI identified a limited area on the South Terminal parcel with petroleum contamination in soil above NYSDEC Residential Use Soil Cleanup Objectives (SCOs). The purpose of this Work Plan is to propose completion of an Interim Remedial Measure (IRM) to excavate soils exceeding Residential Use SCOs on the South Terminal and dispose of these soils at an approved off-site disposal facility. A previous IRM was completed on the North Terminal in November 2009 which was successful in removing soils exceeding Unrestricted Use SCOs on the North terminal. Therefore, completion of this second IRM will constitute the Final Remedy for this site.

1.1 Site Description

The subject property is located to the northwest of the Village of Sackets Harbor, on the southern shore of Lake Ontario, and is a portion of a larger property of approximately 113 acres in land area that had historically served as a petroleum bulk storage and distribution facility under several ownerships. The larger parent property from which the subject property has been delineated consists of two (2) separate tax parcels identified as tax parcel 88.35-1-4.3 (80.8 acres) and tax parcel 88.35-1-4.1 (32.2 acres). The portion of the larger parent property that is the subject of this investigation includes the southern approximately one-half of tax parcel 88.35-1-4.3 (40.08 acres) and tax parcel 88.35-1-4.1 in its entirety, for a combined land area of approximately 72.3 acres. For purposes of discussion, the portion of tax parcel 88.35-1-4.3 that will be included in this investigation will be referred to as "the North Terminal", and the area encompassed by tax parcel 88.35-1-4.1 will be referred to as "the South Terminal". The North Terminal is situated with its northwestern boundary midway between Ontario Street and Ambrose Street, covering an area south to Ambrose Street. The South Terminal is located immediately south of Ambrose Street and south of the North Terminal. A Site Layout drawing,

depicting the relationship of the two parcels to one another, and the relationship of each to existing streets, Lake Ontario, and neighboring development is attached as Figure 2.

2.0 REMEDIAL INVESTIGATION ACTIVITIES

The former AFMC terminals consist of two separate parcels divided by Ambrose Street (the North Terminal and the South Terminal). The Remedial Investigation Work Plan presented a discussion of potential areas of concern organized by Parcel. The soil investigation was conducted in two phases. The first phase was completed in November and December 2007 and the second phase was completed in December 2008 through February 2009.

The investigation included drilling of a total of 185 borings by direct-push methods. A Geoprobe® Model 5400 was used to advance Macro-Core soil samplers, in 4-foot lengths, to refusal at the bedrock surface. The Macro-core samplers allow collection of continuous soil samples. The soil samples were then classified by an SE scientist, retained in two foot intervals for possible laboratory analysis and then screened with a photo-ionization detector (PID). A PID equipped with a 10.6 eV lamp was used to perform the headspace screening. Samples submitted for laboratory analysis were selected to help define areas of impact based on PID readings and also to confirm the absence of impacts in areas where PID screening and visual observation did not detect potential contamination of concern.

Samples submitted for laboratory analysis during the first phase of investigation (2007) were submitted to Environmental Laboratory Services, Inc. (ELS) of North Syracuse, New York, a NYSDOH ELAP certified laboratory. Samples from the second phase (2008-2009) were submitted for analysis to Life Science Laboratories of East Syracuse, NY (LSL), a NYSDOH ELAP certified laboratory. Soil samples submitted for laboratory analysis were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and lead by EPA Methods 8260, 8270 and 418.1, respectively. Those portions of each sample which were analyzed by EPA Methods 8260 and 8270 were also checked for the presence of tentatively identified compounds, or TICs, and only compounds on the NYSDEC STARS Memo #1 list were reported for the SVOC analyses.

3.0 NATURE AND EXTENT OF CONTAMINATION – SOUTH TERMINAL

The Remedial Investigation identified only a limited area of the South Terminal with petroleumrelated VOCs in soil at concentrations exceeding Residential Use SCOs. This area is described below and shown on the attached Figure 2. Laboratory results for soil samples from the South Terminal are summarized in Table 1. Boring Logs for both phases of investigation on both the North Terminal and South Terminal are included as Appendix A.

3.1 AOC 2 – Northeast of Former Valve House Area

This AOC encompasses the central northern portion of the South terminal which was the valve house area.

Approximately one hundred borings were advanced in the area around of the former valve house and across the surrounding areas. Approximately sixty-two of the borings showed elevated PID readings over 50 ppm. Soils above 4 feet depth showed minimal readings. Soil samples from select borings showing elevated PID readings were submitted for laboratory analysis. Laboratory analysis results of the fourteen soil samples collected revealed that although thirteen of the samples showed concentrations of at least one compound that exceeded Unrestricted Use SCOs, only one sample (SB-126) showed concentrations of any compounds (1,2,4-trimethylbenzene and xylenes) that exceeded Residential Use SCOs.

4.0 PROPOSED INTERIM REMEDIAL MEASURE

4.1 Soil Excavation

SE proposes to excavate soils exceeding Residential Use SCOs in AOC 2 and dispose of these soils at an approved off-site disposal facility. The estimated area of excavation is shown on Figure 2. Based on the limits of excavation shown on Figure 2, and an approximate contaminated soil thickness of two feet, it is estimated that a maximum of approximately 800 tons of soil will be removed for off-site disposal. An SE scientist will screen soils with a PID during excavation at each AOC. Soils exhibiting elevated PID readings will be sent off-site for disposal. It is anticipated that the soil will be disposed of at the Development Authority of the North Country (DANC) landfill in Rodman, New York. Clean soils as indicated by PID screening will be segregated for re-use as excavation backfill.

Excavation will begin in the center of the AOC at boring SB-126 and proceed outward until PID readings in the impacted soil layer drop below approximately 50 ppm.

Soil designated for off-site disposal will be temporarily staged on polyethylene sheeting adjacent to each excavation area. These soil piles will be covered with polyethylene sheeting at the end of each excavation day and will be covered daily until loaded onto trucks for transport and disposal.

Excavation areas will be backfilled to grade with segregated clean soils. If additional fill is needed, as was done for the IRM on the North Terminal, on-site uncontaminated soils from the former secondary containment berms on the North Terminal will be used. These soils will be screened with a PID prior to use as backfill. In addition, as required by NYSDEC DER-10, Technical Guidance for Site Investigation and Remediation, Section 5.4(e), samples of soil to be used for backfill will also be submitted for laboratory analysis of VOCs by EPA Method 8260 plus TICs. It is not anticipated that off-site fill will be necessary.

Air monitoring during excavation activities will be performed in accordance with the Community Air Monitoring Plan (CAMP) included as Appendix B.

4.2 Post-Excavation Soil Sampling

Soil samples will be collected from the contaminated soil horizon at the limits of the excavation prior to backfilling. Soil samples will be collected at a frequency of one sample for every 30 feet of excavation sidewall. Estimated sampling locations are also shown on Figure 2, but will be adjusted based on the final excavation dimensions. Sampling will be biased toward areas with higher PID readings. It is anticipated that excavation will be to the bedrock surface, so excavation bottom samples will not be collected.

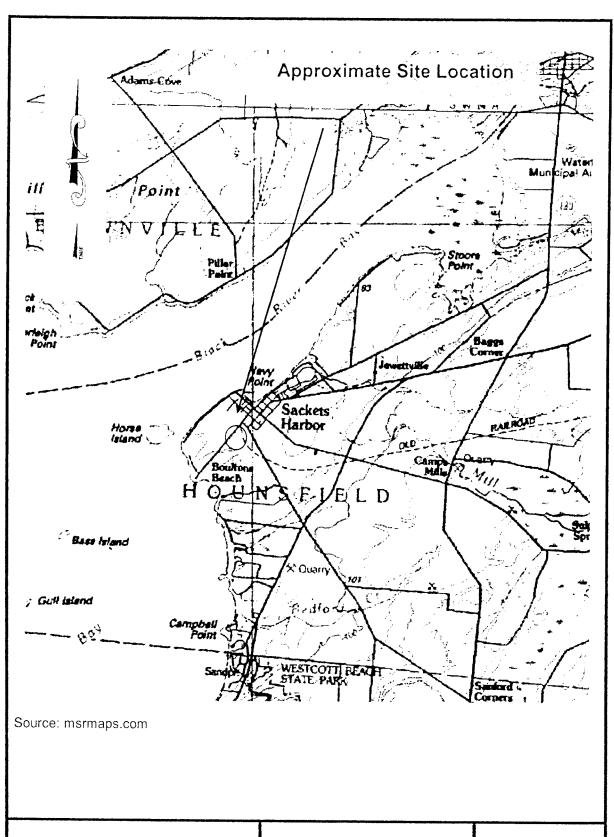
Soil samples will be submitted for laboratory analysis of VOCs by EPA Method 8260 plus TICs. Samples will be submitted to a NYSDOH certified laboratory. NYSDEC ASP Category B deliverables will be provided and the data will be reviewed by an independent data validator.

4.3 Report

SE will prepare an IRM Report documenting excavation activities and presenting the results of post-excavation soil sampling. It is anticipated that the IRM Report, in conjunction with the RI/AA Report, will demonstrate that the South Terminal parcel meets Residential Use SCOs.

5.0 SCHEDULE

With approval of this IRM Work Plan, SE will solicit proposals from qualified contractors for transportation and disposal of contaminated soil. Excavation may be performed by qualified contractor. The goal is to complete excavation during the summer of 2010. The IRM report can be completed within 60 days of submission of post-excavation soil samples to the laboratory.





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FIGURE 1

200C			9p1.0	241.0	₹969.2	3.658	22.0	ΔN	65.0	935.0	αN	54.15	765.2	4.62	522.7	αN
anthrene e	100	100 100	ND ND	ON ON	121.0	187.0 QN	ND ND	UN UD	UD UD	ON ON	ON ON	8.71 44.1	172.0 QN	2.5 ND	4.1 280.0	UD UD
halene	12	100	341.0	241.0	1.39	2,42	22.0	ΠN	££.0	935.0	ΔN	G. 4	1.95	19.3	8.4	ND
ene p[1,2,3-cd]pyrene	30	001 3.0	ND ND	ND ND	0.482 DN	734.0 QN	ND ND	ND ND	ND ND	ND ND	UD UD	3.88 QN	971.0 QN	9.1 QN	9.0 QN	ND ND
z[a;h]snthracene	0.33	0.33 100	ND ND	ND ND	ND ND	ND ND	DN DN	ND ND	ND ND	ON ON	DN DN	ND ND	ND ND	ND ND	DN DN	NC NC
eue (k)ljnoranthene	8.0 f	l L	ND ND	ND ND	ND ND	ND ND	DN DN	DN DN	ND ND	ON ON	ON ON	DN DN	DN DN	DN ND	ON ON	NC NC
o[g,h,i]perylene	1001	100	DN DN	DN DN	ND ND	ND ND	DN DN	ND	DN DN	DN DN	ΔN	ND	ND	ND	ND	ND
(g)b\leuc	l l	i	ND	ND	ND	ND	ΔN	DN DN	ΠN	ND	DN DN	ND ND	ND ND	ND ND	DN DN	ND ND
scene (a)anthracene	100	100	ND ND	ND ND	0.0584 DN	ND	ND ND	ND ND	ND ND	ND ND	ND ND	1.16 QN	ND ND	ND ND	UD UD	ND ND
ibptpylene sbytpene 8 5 10	20	001 001	ND ND	ND ND	ND	ND	AN UD	AD ND	ND ND	ND ND	ND ND	3.15 UD	ND	ND	18.0	ND ND
0220			284.82	134.1	38.329	31.822	12.51	4.585	849.14	745.42	347.1	31.289	775.23	29.792	14869.23	6:00.0
o ,e listot se	92.0	100	DN P1.7	DN 353.0	3.28	QN 82.7	15.4 DN	an an	£95.0	0.12	QN 6ħ1.0	₽9.0	8.21	103 ND	0.003 75.02	DN ND
:hloride 4+m ,e	20.0	12.0	DN P1.7	0.535	3.28	QN 82.7	4.21	DN DN	QN 87.8	ND 2.51	QN 0,149	49.0	8.21	103	SO ND	ND ND
rofluoromethane scetate	600	100	ND	ND	ND	ΠN	ND	ND	ΠN	ND	ND	ND	ND	ND	ND	ND
roethene	74.0	10	ND ND	ND ND	ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND
.1-3-dichloropropene 1.4-dichloro-2-butene			ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
e 1,2-dichloroethene	7.0	100	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	17000.0 QN	NC NC
ıtylbenzene hloroethene	6.8 E.1	100 5.5	ND ND	ND ND	DN ND	DN ND	DN DN	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	DN ND	DN DN	ND ND
i alcohol	03	007	ND	ND	ΠN	ΠN	ND	ND	ΠN	ND	ND	ND	ND	ΠD	ND	NC
ntylbenzene	11	100	104.0 QN	ND ND	0.902 QN	472.0 QN	7.5.1 QN	0.325 DN	0.825 QN	272.0 QN	ND ND	64.1 QN	0.492 QN	2.48 UD	7700.0 QN	ND ND
yslene oylbenzene	6.5	100	1.29	ND 0.168	2.04	856.0 7.1	6 .2	0.396 25.1	19.£ 80.£	1.64	0.132	2.09 9.01	17.2	13.1	4.0 8	O.00
alpenzene	0.93 12	29 100	0.922	ND ND	ND 2.56	DN 10.1	3.27	DN 177.0	GN 1.9	QN 0.985	0.108	3.4	UD 1.53	9 ON	QN 710.0	ND ND
lene chloride	90.0	13	0.394 □N	ND ND	708.0 QN	DN ND	1.73 UD	991.0 QN	2.56 ND	1.05 UN	DN DN	GN 666.0	9£7.0 QN	3.49 QN	0.013 DN	ND ND
.hlorobutadiene ethane (methyl iodide)			ND ND	DN DN	DN DN	DN ND	DN DN	ND	DN DN	DN ND	DN DN	ND	αN	ΠN	ND	ND
əuəzuə	ı	30	676.0	691.0	1.53	81.1	3.62	91.1 QN	69.6	40.4	61.0	69.0 QN	3.67 QN	8.91 QN	91.0 QN	0.000 ON
nomethane rodifluoromethane			ND ND	ND	DN ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	NC NC
3-dichloropropene nochloromethane	61.0	100	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	UD ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
omethane 2-dichloroethene	62.0	69	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	NC NC
ethane form	75.0	01	DN ND	ND ND	DN DN	ND	ND	ND	ND	ND	ND	ND	ND	ΔN	ND	ND ND
əuəzuəq	1.1	100	ND	ND	ΠN	DN DN	ND ND	DN DN	DN DN	DN ON	ND ND	ND UD	DN DN	DN ON	ND ND	NE
n disulfide n tetrachloride	97.0	4.1	ND ND	ND	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
motom sinethane			ND ND	ND	ON ON	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
ochloromethane dichloromethane			ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ON ON	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
opeuzeue sue	90.0	6.2	ND ND	ON ON	ON ON	ND ND	ND ND	0.106 QN	ON ON	ON ON	ND ND	ON ON	ON ON	ND ND	0.012 UD	NC NC
ən Əlitlin			ND	ND	ΠN	ΠD	ND	ΔN	ND	ΠN	ΠN	ΠN	ND	ΠD	ND	N
hyl-2-pentanone	80.0	100	ND ND	ND	DN DN	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	NE NE
notoluene propyltoluene			QN 0.34	ND ND	UD 1.43	GN 78.0	dN ∂.ſ	QN 805.0	UD 14.1	ΩN 70.1	QN 911.0	ND ND	QN 0.989	DN 4.55	QN 810.0	NC NC
anone			ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	NC NC
auoue cylorobrobane			ND ND	ON ON	ON ON	ON ON	ND ND	ND ND	ND ND	ON ON	ND ND	ON ON	ON ON	ON ON	ND ND	NC NC
cylorobenzene	8.1	8.6	ΠN	DN DN	ND	ND	ND	ΠN	ND	αN	ΠN	ND	ND	ΠD	DN DN	ND
cylorobenzene	2.4	۲۱	ND ND	ΠN	DN DN	DN DN	ND ND	DN DN	ND ND	DN DN	ND UD	DN DN	DN DN	ON ON	ΔN	NC NC
chloropropane trimethylbenzene	4.8	ZÞ	3.14	QN 991.0	96.3 GN	GN 5.37	GN 87.9	ND ND	ND 2.74	ND 2.06	O'305	UD UD	16.8	VD 79.4	QN 7.9	O.00
chloroethane	1.1 20.0	100 2.3	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	UD UD	NC NC
promoethane bromoethane			ND ND	ON ON	ON ON	ON ON	ND ND	ND ND	DN DN	ON ON	UD UD	ON ON	ON ON	ON ON	ON ND	NE NE
trimethylbenzene trimethylbenzene	3.6	LÞ	99.6 GN	0N 814.0	GN 8.71	13.2	Z6.2	DN DN	QN 65.8	79.7	49.0	0N 9.11	0N 9.81	93.6 QN	ZI	00.00
trichlorobenzene trichloropropane			ΔN	ND	ND	ND	ΠN	ΠN	ND	ND	αN	ND	ND	ND	ΔN	NE
cyloropropene			ND ND	DN DN	ON ON	DN ND	ND	ND UD	ND	ND ND	DN DN	DN ON	DN DN	DN DN	ND ND	NC NC
chloroethane chloroethene	72.0 ££.0	91 001	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	NC NC
2-tetrachloroethane trichloroethane			ND ND	ND ND	UD UD	ND ND	ND ND	ND ND	ND ND	ON ON	ND ND	ON ON	ND ND	ND ND	ND ND	NC NC
8 260 (mg/kg) 2-tetrachloroethane trichloroethane	89.0	100	ND	ND ND	DN UD	ND ND	ND ND	ND	ND	ND ND	ND ND	ND ND	DN DN	ND ND	ND ND	NE NE
010 (Lead) (mg/Kg)	63	007	5.5	2.3	1.4	5.5	8.8	6.9	6.3	2.3	2.3	£.7	2.60	2.60	8.4	13
Seque (bbm)	*		1131	92 153	314	858 93	411 47	62 987	1722 80	26 26 20-0:0	91 564	193	91 246	76 699	87	6.6
(ft) (ft)	(wdd)	(wdd)	81-8 1.9	8. 9	Z9-8	8.3-5.8	6.8-8.3	7-9.9	88-8 9.9-0.9	68-8	B-109 E.T-T	411-8 8.7-5.7	0.8-117 6.7-6.0	B-126 S.8-6.2	681-B	7.8-4
SasylsnA	Unrestricted Use	Residential Use														CONTRACTOR OF THE PARTY OF THE

^{*}Motes

*Motes

*Motes

*Soli Cleanup Objectives (SCO) values are those issued from the

*Soli Cleanup Objectives (SCO) values are those issued from the

*VD - indicates that no contaminants were detected

* NT - indicates that the sample was not tested for that

particular compound

* NE - guidance values not established by the NYS DEC

* LE - indicates value exceeded laboratory instrument calibration

range

range

range

* J - analyte detected below the PQL

TICs - Tentatively Identified Compounds
orange-shaded cells indicates target compound concentrations
blue-shaded cells indicates target compound concentrations
exceeding residential use requirements

Bold italisized font indicates that the target compound
detection limit exceeds its corresponding guidance limit

səsylsnA	Track 1 Betricted Use (mqq)	Track 2 Residential Use (ppm)	E01-WM	B-158	691-8S	B-160	Dup.	B-173	B-176		B-162
Depth (ft) ding (ppm) 540B			9 ⁻ 9-1	63 2-4	4.2-0 183	561 4-0		7.8-4 601	4-6.2 220	1.8-4 091	
0 (Lead) (mg/Kg)	63	001⁄2	7.8	6.5	Z 9	<i>L</i> †	31	1.3	4.6	7.3	
8560 (mg/kg)											
etrachloroethane hloroethane	89.0	100	ND ND	ND ND	ND ND	DN ND	DN	DN UD	QN ND		ND
etrachloroethane	00.0	001	ΠN	ND	ND	DN DN	DN DN	ND ND	DN DN		ND
oroethane oroethane	72.0	61	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND		ND ND
oroethene oropropene	6.33	100	ND	ND	ND	ND	ΠD	ΠN	ND		ND
plorobenzene			ND ND	UD UD	ND ND	ND ND	ND ND	ND ND	ND ND		ND
hloropropane hlorobenzene			ND ND	ND ND	ND ND	ND ND	ND ND	ND	ΠD		ND
nethylbenzene	3.6	LÞ	ND	710.0	9	150.0	60.03	QN 270.0	DN 0.0011		UD 1.2
mo-3-chloropropane moethane			ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND		ND
orobenzene	1.1	100	ND	ND	ND	ND	ND	ND	αN		ND
oroethane oropropane	20.0	2.3	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND		ND
nethylbenzene	4.8	74	ND	720.0	7	820.0	1.0	750.0	αN		74.0
orobropane orobenzene	2.4	ل ا	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND		ND ND
orobenzene	8.1	8.6	ND	ΠN	ND	ND	ND	ND	ΠN		ND
ue oropropane			ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND		ND ND
əuənjo			ND	ΠN	ND	ND	ND	ND	ND		ND
əuənjo əuc			ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND		ND ND
oyltoluene			ND	610.0	62.0	960.0	820.0	1200.0	6900.0		31.0
-2-pentanone	60.0	100	ND ND	ND ND	O.12	ND ND	ND ND	ND ND	ND ND		ND ND
əli	90.0	2.9	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND		O.013
əuəzu	0010	0.7	ND	ND	ΠN	ND	ND	ΠD	ND		ND
loromethane hloromethane			ND ND	ND	ND ND	ND ND	ND ND	DN ND	ND ND		ND
w.			ND	ND	ΠD	ΠN	ND	ΠN	ND		ND
sthane sulfide			ND ND	ND	ND ND	0.0016	ND ND	DN ND	ND ND		ND
strachloride	97.0	4.1	ND	ND	ΠD	ΔN	ND	ΠN	ND		ND
eue: 9uezu	1.1	100	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND		ND
w	75.0	10	ND	ND	ΠN	ΠN	ND	ΠN	ND		ND
thane chloroethene	62.0	69	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND		ND ND
chloropropene	61.0	100	ND	ND	ΠD	ΠN	ND	ΔN	ND		ND
rhloromethane nethane			ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	an 15 30	ND
ifluoromethane			ND	ND	UD UD	ON ON	ON ON	ND ND	UD UD		ND
əuəz	ı	30	ND	ND	110.0	ND	ΠN	6500.0	ND		920.0
robutadiene iane (methyl iodide)			ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND		ND
əuəzuəq	50.50.5	0.00	ND	ND	710.0	7200.0	0.012	7₽00.0	ND		380.0
e chloride	80.0 86.0	13 62	ND ND	ND ND	ND ND	0.0063 ND	ΠN	ND	ND		490.0
əuəzu	12	100	ND ON	410.0	0.13	3800.0	DN 0.031	QN 7900.0	0.012		ND 12.0
əuəzuə	3.9	100	ND ND	ND	820.0	7500.0	310.0	210.0	6100.0		71.0
əuəzuəq əuə	11	100	ND ND	O.0043	1.1 0.095	U 110.0	21.0 720.0	40.0 6400.0	0.012 0.015		4.1 91.0
lodor			dN	ND	ND	DN	ND	ND	ND		ND
euezueg joyog	6.3	100	ND ND	ND ND	0.032 ND	₽600.0	0.0056 0.0056	ND ND	0.0032)	QN 710.0
eueupeo.	£.1 7.0	5.5 100	ND ND	ND ND	ND ND	ND	ND ND	ND ND	UN ND		ND ND
-dichloroethene		001	ND	ND	ND	ON	ON ON	ON ON	ND ND		ND
-dichloropropene -dichloro-2-butene	-71		ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND		ND ND
auəup	74.0	10	ΠN	ND	ND	ND	ND	ND	ND		ND
noromethane sate			ND ND	ND ND	ND ND	ND	UN ND	ND ND	UN UD		ND
əbin	20.0	12.0	ON ON	ON ON	ON ON	ND ND	ND ND	ND ND	ND ND		ND ND
d+t			ND ND	ND ND	11.0	ND	ND	120.0	ND ND		ND
lsto	92.0	100	ON ON	ND ND	0.024	ON ON	ND ND	0.021	UD UD		ND ND
٥			ND	£180.0	736.11	2891.0	9895.0	6402.0	7030.0		3.985
0728											
pueup	20	100	ND	ΠN	n	ND	ND	4.1	ПD		ND
ue ;µλjeue	001 001	100 100	ND ND	ND ND	n	ND ND	ND ND	ND ND	ND ND		ND
anthracene	1	1	ON.	ON ON	n	ND ON	ND ON	UD UN	QN QN		ND
Inoranthene	l L	l l	ND ND	ND ND	n n	ND ND	ON	ND	QN		ND
ənəlynəq[i,n	100	100	ND	ON ON	n	ON ON	ND ND	ND ND	ON ON		ND
) Jnoranthene	8.0 f	l l	ND ND	ND ND	n	ND ND	ND ND	ND ND	ND ND		ND
h]anthracene	££.0	££.0	ON.	DN	n	ON ON	ND (N)	ON ON	QN QN		ND
eue	100	100	ND	ND	n	ND	ND	ND	ΠN		ND
2,3-cd]pyrene	3.0	001 3.0	ND ND	ND ND	2.4 U	ND ND	ND ND	9.1 QN	ND ND)	190.0 QN
ene	12 100	100	ND	DN	8.8	ND	ND	7.4	ND		14.0
liene	100	100	ND ND	QN 70.0	7.5	ND ND	ND ND	8.4 2.0	ND ND		1.0 QN
				- NA NA		100					

Notes

*All values are in mg/Kg or (ppm)

*Soil Cleanup Objectives (SCO) values are those issued from the NYS DEC's Division of Environmental Restoration

*ND - indicates that no contaminants were detected

*NT - indicates that the sample was not tested for that particular compound

*NE - guidance values not established by the NYS DEC

*NE - guidance value exceeded laboratory instrument calibration range

^{*} L - Indicates value exceeded ispoiatory insumment canning range
* J - analyte detected below the PQL
* J - analyte detected below the PQL
TICs - Tentatively Identified Compounds
orange-shaded cells indicates target compound concentrations
exceeding unrestricted use requirements
bule-shaded cells indicates target compound concentrations
bule-shaded cells indicates target compound concentrations
exceeding residential use requirements
Bold italistized font indicates that the target compound
detection limit exceeds its corresponding guidance limit

											1	
SVOC			ND	αN	αN	ПD	αN	ПD	700.1	dΝ	αN	21.71
ne nanthrene	100	100	ND ND	UD UD	UD UD	ND ND	ND ND	ND ND	34.0 730.0	ND ND	ND ND	70.0
nthalene	12	100	ND	ND	ΠN	an	ND	ND	2.0	ND	ND	ND
rene no[1,2,3-cd]pyrene	30 3.0	001 3.0	ND ND	UD UD	QN QN	ND ND	ND ND	UD UD	31.0 QN	UD UD	ND ND	0.13 UD
ranthene	100	100	ND	ND	ΠN	ND	ND	ND	ND	ΠN	ND	ND
sene nz[a,h]anthracene	۱ 85.0	£8.0	ND ND	ND ND	UD UD	ND ND	ND ND	ND ND	ND ND	DN DN	ND ND	ND ND
so[k]ynoranthene	8.0	i	ND ND	ND	DN	ND	ND	ND ND	DN	ON ON	ND	ND
o[g,h,i]perylene	100	100	ND	ΠN	ΠN	ND	ND	ON ON	ON ON	QN	ND ON	ND
zo[a]byrene zo[b]fluoranthene	l L		ND ND	ND ND	UD UD	ND ND	ND ND	ND ND	ND ND	DN DN	UD UD	ND
zo[a]anthracene	ı	L	ND	ND	ΠN	ND	ND	ND	ΔN	ΠN	ND	ND
racene raphthylene	001 001	001 001	ND ND	ND ND	ND ND	ND ND	ND ND	UD UD	ND ND	DN DN	UD UD	ND
naphthene	20	001	dN	dN	dN	dN	dN	dN	61.0	dN	dN	21.0
8270			- Chi	GN	dN	GN.	- GN	ΔN	970.0	928.0	926.0	3.459
nes total	92.0	001	AN AN	ND ND	dN D	ND ND	ND ND	dN DN	dN dN	7900.0	7900.0	ND
o 'əu			ND	ND	ND	ND	ΠN	ΔN	ΔN	7900.0	7900.0	ND
chloride ne, m+p	20.0	12.0	ND ND	UD UD	ND ND	ND ND	UD UD	DN DN	UD UD	0.0054 DND	0.0054	ND
acetate			ND	ND	ND	ND	ND	ΔN	ΠN	ND	αN	ND
loroethene lorofluoromethane	74.0	01	ND ND	UD UD	ND ND	ND ND	ND ND	UD ND	ND ND	ND ND	DN DN	ND
5-1,4-dichloro-2-butene			ND	ND	ND	ND	ΠN	ND	ND	ND	ND	ND
s-1,2-dichloroethene s-1,3-dichloropropene			ND ND	UD UD	ND ND	ND ND	ND ND	ND ND	ON ON	ND ND	UD UD	ND ND
ene endicablerosthone	7.0	100	ND	DN	dN	DN	DN	ND	ND	ND	ND	ND
chloroethene	5.1	6.6	ND	ON ON	ND ON	ON ON	QN	ON ON	ON ON	ZZ00:0	0.0022 ND	ND
putylbenzene	6.3	100	ND ND	TN	TN	O O	O O	UD 0	ON ON	0.0022	ND	ND
euezuezu(nez			ND	ΠN	QN	dΝ	ND	ND	ΔN	UD.	UN.	DN
pnţλ peuzeue pnţλ peuzeue	11	100	ND ND	DN DN	UD UD	ND ND	ND ND	ND ND	6700.0 GN	£0.0 100.0	£0.0 100.0	0.029 0.029
obλ _l peuzeue	6.8	100	ND	ND	ΠN	ND	ND	ND	ND	1100.0	1100.0	ND
ıf)lpenzene	0.93 12	62 100	ND ND	UD ND	ND ND	ND ND	ND ND	ND ND	DN DN	0.038	QN 850.0	0.008
nylene chloride	30.0	19	ND	ND	ON ON	ND	ND	ND	ND	ND	ND	ND
ropylbenzene			ND	ON.	ON.	ND	ND	ND	ND	ND	UD U	ND
achlorobutadiene methane (methyl iodide)			ND	UD UD	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
əuəzuəqı	ı	30	ND	ND	ΠN	ND	ND	ND	ND	ΠN	ND	ND
omomethane Iorodifluoromethane			ND ND	ND ND	DN DN	ND ND	ND ND	ND ND	ND ND	DN DN	ND ND	ND ND
omochloromethane			ND	ND	ND	ND	ND	ND	ND	ΠD	ND	ND
1,2-dichloroethene 1,3-dichloropropene	0.25 0.19	001	ND ND	ND ND	DN DN	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND
romethane	0.35	69	ND	ND	ND	ND	ND	ND	DN	dN	ND	DN
rroform	75.0	10	ΠN	ND	ΔN	ΠN	ΠN	QN	ΔN	dΝ	ON ON	ND
robenzene robethane	1.1	100	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	DN DN	DN ND	ND ND
oon tetrachloride	97.0	4.1	ΔN	ND	ND	ND	ND	ΠN	ND	ΔN	ND	ND
ensthamor on disulfide			ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
motom			DN	ND	ND	ND	DN	dN	DN	ND	DN	ND
nodichloromethane			ΠN	ON ON	dN	ND	ON ON	ON	ND ON	ON ON	ON ON	ON ON
nochloromethane nobenzene			ND ND	ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND
əuəz	90.0	2.9	ND	ND	ND	ND	ND	αN	ΠN	ND	ΠN	ND
one donitrile	80.0	100	ON ON	ND ND	ND ND	ND ND	ND ND	DN DN	990.0 QN	ND ND	ND ND	ND UD
ethyl-2-pentanone	900	100	ND	ON	ND	DN	ND	dN	ON DEE	ND	DN	ND
opropyltoluene			ΠN	ND ND	ND	ΔN	ΠN	ON.	ON ON	750.0	750.0	ND
sxanone nlorotoluene			ND ND	ND ND	ND ND	ND ND	DN ND	UD ND	ND ND	ND ND	DN ND	ND ND
nlorotoluene			ND	ΔN	ND	ND	ΠN	ND	dΝ	QN	ΠD	ND
dichloropropane dichloropropane			ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	DN DN	ND ND	DN DN	ND ND
dichlorobenzene	8.1	8.6	ND	DN	ND	dN	ΠN	ND	ND	ND	ND	ND
dichlorobenzene dichloropropane	4.2		ND ND	ND ND	ND ND	UD UD	ND ND	ND ND	DN DN	ND ND	ND ND	ND ND
5-trimethylbenzene	4.8 4.2	2 t	ND	DN	ND	ND	ND	ND	0.0012	61.0	61.0	ND
dichloropropane	7010	017	ND	ΔN	ON	ΠD	ΠN	ND	ON	ON ON	ON ON	ON I
dichlorobenzene dichloroethane	1.1 20.0	100 2.3	ND ND	DN DN	ND ND	DN DN	ND ND	ND	DN DN	ND ND	ND ND	ND ND
-dibromoethane			ND	ND	ND	ND	ND	ND	ND	ΠN	ΠD	ND
4-trimethylbenzene dibromo-3-chloropropane	3.6	LÞ	ND ND	ND ND	ND ND	ON ND	ND ND	ND ND	0.0015 DN	20.0 QN	0.02 QN	ND ND
4-trichlorobenzene	13° 49° 11		ΠN	ND	ND	ND	ND	ND	ND	ΠN	ND	ND
.3-trichlorobenzene .3-trichloropropane			ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
-dichloropropene			ND	ND	ND	ND	ND	ND	ΔN	aN	ΠD	ND
-dichloroethane -dichloroethene	72.0 EE.0	91 001	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	DN ND	ND ND	ND ND
2-trichloroethane	26 0	01	ND	ND	ND	ND	ND	DN	ND	DN	ND	ND
2,2-tetrachloroethane	00:0	001	ON ON	ND	ND	ND	ND	ON ON	QN ON	QN QN	QN (N)	ON ON
8 260 (mg/kg) 1,2-tetrachloroethane 1-trichloroethane	89.0	100	DN ND	DN DN	DN DN	DN DN	DN DN	DN DN	DN DN	DN DN	QN DN	ND ND
6010 (Lead) (mg/Kg)	63	004	8.2	3	2.2	09.9	p. p	5.5	4.6	۷۱	10	3.7
18 2540B			ND 86	16 QN	06 UN	DN 87	8.0 TT	90 UD				
mple Depth (ft)			8.3-5.3	9.8-8	£.8-8.7	6.8-8	8.8-4	G.8-G.T	7.9-4	0-3.5	2-4	9'9-t
sesylenA	(wdd)	(mdd)	B-34	B-34	B-35	B-36	SB-38	B-40	B-169	981-B	881-B	31 0
səsylbnA	Track 1 Unrestricted Use (ppm)	Track 2 Residential Use (ppm)	B-34	B-34	B-35	98-8	8E-8S	017-8	991-8	981-8	881-8	

Notes

* All values are in mg/Kg or (ppm)

* Soil Cleanup Objectives (SCO) values are those issued from the "Soil Cleanup Objectives (SCO) values are those issued from the "YO DEC's Division of Environmental Restoration and "UP. Indicates that the sample was not tested for that particular compound

* MD - indicates that the sample was not ested for that particular compound

* ME - guidance values not established by the NYS DEC

* ME - guidance values not established by the NYS DEC

* L' - analyte detected below the PQL

* TCS - Tentatively Identified Compounds

* Orange-shaded cells indicates target compound concentrations orange-shaded cells indicates target compound concentrations

* Acceeding unrestricted use requirements

* Buld italisticate farget compound concentrations

* Exceeding residential use requirements

* Exceeding residential use requirements

* Bold italisticate for that the target compound concentrations detection limit exceeds its corresponding guidance limit exceeds its corresponding guidance limit.

APPENDIX A SOIL BORING LOGS

S_1			S ENVIR	TRAI ONM	TIGIC ENTAL LLC		L	OCATION	PROJECT	Sackets Harbor TNO.: 06-742 FMC Petroleum Termina Sackets Harbor, NY
LOGGE	OMF ED BY	LETE	D :11	Penlla	RIG TYPE : TOTAL DEPTH : 6.7 Feet APPOX. GW DEPTH :			LO	G OF B	ORING SB-1
Depth in (feet)	Blow Count	RECOVERY (inches)	R : S. SOSO	GRAPHIC		Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
0- 1- 2- 3-		30"			0.0 to 4.0 Feet: Light Brown medium to fine SAND little Silt; moist; loose.	0,	11-16-	07 2	S-1	
5		32"			4.0 to 4.5 Feet: Similar Soil. 4.5 to 6.7 Feet: Dark Brown SILT, some Clay, trainedium to fine Sand; stiff; moist; moderately plastic; heavy petroleum odors near bottom. *Bottom of Borehole a 6.7 Feet* **Refusal at 6.7 Feet*	ace	11-16	343	S-2	
	, 8 pulmulmulmulmulmulm									

Note: Bgs. = Below Ground Surface.

ppm=parts-per-million

S					EGIC Ental, LLC			L	OCATION	PROJECT N: Former A	Sackets Harbor 「NO.: 06-742 FMC Petroleum Termina Sackets Harbor, NY
LOGGE DRILLI	COMI ED B'	PLETE Y COMPA	D : 11 : J. .NY : SE	Pentla E, LLC	nd	DRILLING METHOD : Geopi RIG TYPE : TOTAL DEPTH : 7.7 Fe APPOX. GW DEPTH : SAMPLING METHOD : Macro	eet		LO	G OF B	ORING SB-3 (Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	R : D.	GRAPHIC		DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0- - 1- 2- 3-		42"			fine SAND, Orga	Oark Brown SILT and medium t nics; moist; unsorted. .ight Brown Reddish medium to t; loose.		11-19-07	0.4	S-1	
4- 5- 6-		48"			SAND, trace Cla	Brown SILT and medium to fine ay; stiff; moist. Dark Grey SILT, some Clay, litt Sand; dense; stiff; moist. shole a 7.7 Feet*		11-19-0	7 709	S-2	
9								1			

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL, LLC DRILLING METHOD : Geoprobe : 11/16/07 DATE STARTED DATE COMPLETED : 11/16/07 **RIG TYPE** LOG OF BORING SB-5 : 7.0 Feet TOTAL DEPTH LOGGED BY : J. Pentland APPOX. GW DEPTH : DRILLING COMPANY: SE, LLC (Page 1 of 1) SAMPLING METHOD: Macro-Core NAME OF DRILLER : S. Quimby RECOVERY (inches) Depth of Change COMMENTS Count GRAPHIC Depth DATE MAX PID Core uscs **DESCRIPTION** in I.D. Blow ((feet) (ppm) 0-0.0 to 2.5 Feet: Light Brown medium to fine SAND; moist; loose. 2.5 to 4.0 Feet: Dark Brown SILT and coarse to fine SAND, little Clay; moist; unsorted; dense. 11.7 2-11-16-07 S-1 46" ND 3 4.0 to 4.5 Feet: Similar Soil. 4.5 to 7.0 Feet: Light Brown SILT and fine SAND, some coarse to fine angular light Grey Gravel; 11-16-07 ND S-2 loose; unsorted; moist. 36" *Bottom of Borehole a 7.0 Feet* **Refusal at 7.0 Feet** 9

Note: Bgs. = Below Ground Surface.

ppm=parts-per-million
Deaths noted are approx

d manual field observations only

S					FEGIC IENTAL, ELC				[OCATIO	PROJECTON: Former A	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termi Sackets Harbor, NY
LOGGI DRILLI	COMP ED BY	PLETE (OMPA	D : 11	Pentla E, LLC	nnd	DRILLING METHOD RIG TYPE TOTAL DEPTH APPOX. GW DEPTH SAMPLING METHOD	; : 7.3 Feet :	e		LC	G OF B	ORING SB-7 (Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC		DESCRIPTION		Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
0		, g. RECOVERY (in			some Silt; moist;	Oark Brown medium to fi Organics. .ight Brown medium to fi			11-19-0	18	S-1	
4- 5- 6-		36"			medium to fine \$ 6.5 to 6.5 Feet: 6.5 to 7.3 Feet:	Light Grey and Brown SI Sand, trace Clay; moist. Layer of Black ORGANIO Light Grey SILT and me lium to fine Gravel, little hole a 7.3 Feet* Feet**	C. dium to fine		11-19-C	1408	S-2	
8-												

S					TEGIC IENTAL, LLC						PROJEC N: Former /	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termin , Sackets Harbor, NY
LOGGE DRILLIN	COM ED B NG (IPLETI Y COMP	ED : 11 : J. ANY : SI	Pentla E, LLC	7 and :	APPOX. GW DEPTH :	5.9 Feet			LC	OG OF E	BORING SB-9 (Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	SOSO	GRAPHIC		SAMPLING METHOD:	Macro-Core	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
2 3 3 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		48"			1.5 to 3.0 Feet: D moist. 3.0 to 4.0 Feet: L	ight Brown medium to fine oil. ark Brown SILT, some Cl ight Grey SILT, some me edium to course Gravel;	lay;		11-13-0	1.7	S-1	
5 6 -		40"			4.0 to 5.9 Feet: S Fragments at 5 fe *Bottom of Boreh **Refusal at 5.9 f	ole a 5.9 Feet*	Rock		11-13-0	7. 1.6	S-2	
7												
9-	1		ow Groui	-			ppm=parts					

S_1	E				TEGIC IENTAL LLC			717	LOCATIO	PROJEC N: Former A	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termina , Sackets Harbor, NY
	OM DB	PLETE Y OMP/	ED :1		7 and ;	DRILLING METHOD : Geoprol RIG TYPE : TOTAL DEPTH : 6.8 Feel APPOX. GW DEPTH :			LO	G OF B	ORING SB-10 (Page 1 of 1)
Depth in feet)	Blow Count	RECOVERY (inches)	sosn	GRAPHIC		SAMPLING METHOD: Macro-C	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
1 1 2 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	36"			some Silt; moist; 0.5 to 3.0 Feet: L moist; loose. 3.0 to 4.0 Feet: D	lark Brown medium to fine SAND unsorted; Organics. Ight Brown medium to fine Sand; lark Brown SILT and medium to Clay, Organics; very stiff.		11-16-0	2.8	S-1	
5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		14"			4.0 to 6.0 Feet: S 6.0 to 6.8 Feet: C stiff; plastic; heav *Bottom of Boreh **Refusal at 6.8 F	Park Grey CLAY and SILT; moist; by odors. Sole a 6.8 Feet*		11-16-0	7 2086	S-2	
8 9 10-1											

Note: Bgs. = Below Ground Surface.

g | Soil classifications are based on visual and manual field observations only.

ppm=parts-per-million Depths noted are approx.

SE		EN			EGIC ENTAL, LLC		-	-	OCATIO	PROJECT N: Former A	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termin Sackets Harbor, NY
DATE ST DATE CO LOGGED DRILLING NAME OF	OMPLE OBY GCOM	ETED MPANY	: J. P : SE,	9/07 entla LLC	RIG TYPE nd TOTAL DEP APPOX. GW		e		LO	G OF B	ORING SB-11 (Page 1 of 1)
Depth in (feet)	Blow Count RECOVERY (inches)	(2) SOSIA		GRAPHIC	DESCRIPTIO	DN	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 1 2 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	47	2"			0.0 to 0.5 Feet: Brown medium to Silt; moist; Organics; unsorted. 0.5 to 2.0 Feet: Brown medium to Silt and Clay; stiff; unsorted. 2.0 to 4.0 Feet: Dark Brown SILT medium to fine Sand, very stiff; respectively.	to fine SAND, some		11-19-07	2.9	S-1	
4 2 24	4	2"			4.0 to 4.5 Feet: Similar Soil. 4.5 to 6.4 Feet: Light Grey SILT medium to fine Sand; moist; mo heavy odors. *Bottom of Borehole a 6.4 Feet* **Refusal at 6.4 Feet**	derately plastic;		11-19-07	1090	S-2	

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL, LLC Ambrose Street, Sackets Harbor, NY DATE STARTED : 11/19/07 DRILLING METHOD : Geoprobe DATE COMPLETED : 11/19/07 **RIG TYPE** LOG OF BORING SB-12 LOGGED BY : J. Pentland TOTAL DEPTH : 6.6 Feet DRILLING COMPANY: SE, LLC APPOX. GW DEPTH: NAME OF DRILLER : S. Quimby (Page 1 of 1) SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change Blow Count GRAPHIC Depth DATE MAX PID uscs Core in DESCRIPTION I.D. (feet) (ppm) 0.0 to 1.5 Feet: Dark Brown medium to fine SAND and SILT; moist; Organics at top. 1.5 to 4.0 Feet: Brown SILT, some medium to fine Sand, little Clay; striff; moist. ND 42" 2-11-19-07 S-1 0.2 4.0 to 6.6 Feet: Light Grey GRAVEL and ROCK FRAGMENTS, some Silt and medium to fine Sand; unsorted; moist; odors near bottom. *Bottom of Borehole a 6.6 Feet*
Refusal at 6.6 Feet 42" 11-19-07 54 S-2 6

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only

ppm=parts-per-million Denthe noted are as

S	E				TEGIC IENTAL, LLC					PROJEC N: Former	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termin , Sackets Harbor, NY
LOGG! DRILL!	COM ED B'	PLETE Y COMPA	ED :1	Pentla E, LLC	7 and ;	DRILLING METHOD : Geo RIG TYPE : TOTAL DEPTH : 5.8 F APPOX. GW DEPTH : SAMPLING METHOD : Maci	Feet		LO	G OF B	ORING SB-13 (Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC		DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
2 1 1 1 1 1 1 1 1 1		12"			trace medium to form the following the follo	Park Brown SILT, some Clay, fine Sand; moist; Organic. Rock Fragments light Grey and ight Grey SILT, some Clay, litter and, trace medium to fine sorted.		11-13-0	160 7	S-1	
4- 5- 6- 7-		24"			4.0 to 5.8 Feet: S towards bottom. *Bottom of Boreh **Refusal at 5.8 F	imilar Soil becoming more stif ole a 5.8 Feet* Feet**	f	11-13-0	7 1050	S-2	Grab sample collected at 4 to 5.8 feet at 1640 for laboratory analysis by EPA method 8270 'STARS', total lead and 8260 (w/tics)
8											

S	E				FEGIC IENTAL, LLC						LOCATIO	PROJEC N: Former	: Sackets Harbor :T NO.: 06-742 AFMC Petroleum Termin: :, Sackets Harbor, NY
	DOMI DB'	PLETE Y OMP	ED : 11		and	DRILLING MET RIG TYPE TOTAL DEPTH APPOX. GW DI SAMPLING ME	EPTH	: : 6.1 Feet :	P		LO	G OF B	ORING SB-14 (Page 1 of 1)
Depth in feet)	Blow Count	RECOVERY (inches)	SOSO	GRAPHIC		DESCRIPTION	•	, iviaci o-coi	Depth of Change	DATE	MAX PID (ppm)	Core 1.D.	COMMENTS
1 2 3		42"			Organics; moist; 0.5 to 1.5 Feet: I plastic; moist; 2 i to fine SAND; loc 1.5 to 4.0 Feet: I	Dark Brown SILT a nch layer of light E	ind CL Brown i	AY; medium		11-16-0	7	S-1	
5 6		30"			and SILT, some	ight Grey coarse medium to fine su orted; heavy odors	b-roun	SAND Ided		11-16-0	2080	S-2	
7													
10 -	Bas	= Ra1	ow Grou	nd 9111	face			ppm=par	ls-nar mil	lion			

S					TEGIC JENTAL LLC					PROJEC N: Former A	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termin , Sackets Harbor, NY
LOGG! DRILLI	COM ED B NG C	IPLETI Y COMP	ED :11	Pentla E, LLC	RIG TYPE : TOTAL DEPTH : 6.4 APPOX. GW DEPTH :	Feet			LO	G OF B	ORING SB-15 (Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	DESCRIPTION		Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
2 3 3		36"			medium grained,0.0 to 1.5 Feet: Brown SILT, some medium to fine Sand; stiff; moist; Organics. 1.5 to 2.0 Feet: Dark Black layer of ORGANIC 2.0 to 4.0 Feet: Light Brown SILT, some medito fine Sand, trace Clay; stiff; moist.	cs.		11-19-0	2.4 7 360	S-1	
5-		36"			4.0 to 5.0 Feet: Similar Soil. 5.0 to 6.4 Feet: Dark Grey SILT and CLAY, lit medium to fine Sand, trace medium to fine Green moist; plastic. *Bottom of Borehole a 6.4 Feet* **Refusal at 6.4 Feet**	ttle ravel;		11-19-0	2097	S-2	
7 - 8 - 9 -											

S DATE S			ENVII	(ON) 1/19/07		DRILLING METHOD RIG TYPE	: Geoprobe :			LOCATIO Amb	PROJEC N: Former A prose Street,	Sackets Harbor T NO.: 06-742 AFMC Petroleum Terminal , Sackets Harbor, NY ORING SB-16
	NG C	OMPA	: J. ANY : SI :R : S.			TOTAL DEPTH APPOX. GW DEPTH SAMPLING METHOD		a		LO	0010	(Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	SUSO	GRAPHIC		DESCRIPTION	. Wadio Gol	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
1		24"			fine SAND, Organ 1.5 to 2.0 Feet: R 2.0 to 4.0 Feet: D medium to fine S	nole a 6.6 Feet*	Clay, little plastic.		11-19-C	ND	S-1	
9			low Grou				ppn=par					

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL, LLC Ambrose Street, Sackets Harbor, NY DATE STARTED : 11/13/07 DRILLING METHOD : Geoprobe DATE COMPLETED : 11/13/07 **RIG TYPE** LOG OF BORING SB-17 LOGGED BY : J. Pentland TOTAL DEPTH : 5.9 Feet DRILLING COMPANY: SE, LLC APPOX. GW DEPTH : NAME OF DRILLER : S. Quimby (Page 1 of 1) SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change **Blow Count** GRAPHIC Depth DATE MAX PID Core uscs in **DESCRIPTION** J.D. (feet) (ppm) 0-0.0 to 0.5 Feet: Dark Brown medium to fine SAND, little Silt and Clay; moist; unsorted. 0.5 to 4.0 Feet: Dark Brown SILT, little Clay; moist; Organics. ND 23" 11-13-07 S-1 3-8.0 4.0 to 4.5 Feet: Light Brown medium to fine SAND; moist and loose. 4.5 to 5.5 Feet: Light Grey SILT, some Clay, trace 24" coarse to fine Sand, trace fine Gravel; moist; 11-13-07 S-2 moderately plastic. 35.6 5.5 to 5.9 Feet: 6 inch layer of fragmented Grey Rock at 5.5 Feet, Light Grey SILT and fine to coarse GRAVEL, little Clay and coarse to fine 6 Sand. *Bottom of Borehole at 5.9 Feet.*
Refusal 5.9 Feet.

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations cold

ppm=parts-per-million

SE					FEGIC ENTAL LLC					LOCATIO	PROJEC' N: Former A	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termin , Sackets Harbor, NY
OGGED RILLING	OMF O BY G C	LETE OMPA	D :11	Pentla E, LLC	nnd	DRILLING METHOD: RIG TYPE: TOTAL DEPTH: APPOX. GW DEPTH: SAMPLING METHOD:	6.2 Feet	e		LO	G OF B	ORING SB-18 (Page 1 of 1)
	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	[DESCRIPTION		Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 2 3 4 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		36"			trace Clay, Orga 0.5 to 1.0 Feet: L moist; loose. 1.0 to 4.0 Feet: I fine SAND; stiff;	Dark Grey CLAY and SILE asb-rounded Gravel; odd	e SAND; dium to		11-16-0	1.3	S-1	
9 10												

DATE START DATE COMPL LOGGED BY DRILLING CO NAME OF DR tuno O (feet) 0	LETED : : : : : OMPANY :	J. Pentl SE, LLC	7 and	DRILLING METHOD RIG TYPE TOTAL DEPTH APPOX. GW DEPTH SAMPLING METHOD	: : 6.2 Feet :			LO	G OF B	ORING SB-19
Depth in (feet) (feet)					: Macro-Core	e				(Page 1 of 1)
0-1	RECOVI	GRAPHIC	С	DESCRIPTION		Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	36"		fine Sand; stiff; n	Park Brown SILT, some r noist; Organics. Park Black layer of ORG/ ight Brown SILT and me Clay; moist; unsorted.	ANICS.		11-19-07	9.7	S-1	
יייין	24"		4.0 to 6.2 Feet: L fine Sand, little C stiff. *Bottom of Borel **Refusal at 6.2		parse to e Gravel;		11-19-07	435	S-2	

S	E				TEGIC MENTAL LLC						PROJEC N: Former	Sackets Harbor T NO.: 06-742 AFMC Petroleum Terminal , Sackets Harbor, NY
LOGGI DRILLI	COM ED B	PLET Y COMP	ED : 11 : J. PANY : SE	Pentl	7 and C	DRILLING METHOD RIG TYPE TOTAL DEPTH APPOX. GW DEPTH	: : 6.5 Feet :			LO	G OF B	ORING SB-20
NAME	OF E		ER : D.	LaCI	air	SAMPLING METHOD	: Macro-Cor	e	<u>_</u>	T		(Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	С	ESCRIPTION		Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
0-					0.0 to 0.5 Feet: D fine SAND; moist	ark Brown SILT and me ; Organics.	edium to					
1-					0.5 to 3.0 Feet: L some medium to Gravel towards b	ight Grey coarse to fine fine angular Gravel with ottom; moist.	SAND, more			ND		
2-		36"			3.0 to 4.0 Feet: C some light Grey S moist; unsorted.	oarse to fine angular Gl Silt, little coarse to fine S	RAVEL, and;		11-19-0	7	S-1	
3-										ND		
4-					4.0 to 6.5 Feet: S odor towards bott	imilar Soil with slight pe iom.	troleum					
5		42"			*Bottom of Boreh **Refusal at 6.5 F	ole a 6.5 Feet* Feet**			11-19-0	7 153	S-2	
6												
7-												
8-												
9-												
10-												

Note: Bgs. = Below Ground Surface.

g Soil classifications are based on visual and manual field observations only.

ppm=parts-per-million
Depths noted are approx

S					FEGIC JENTAL, LLC		1		PROJEC' N: Former A	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termi , Sackets Harbor, NY
LOGGE	OMI ED B'	PLETE Y OMPA	ED : 12 : J. ANY : SE	Pentla		t		LO	G OF B	ORING SB-33 (Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
1		30"			0.0 to 4.0 Feet: Medium to fine SAND and coarse to fine GRAVEL; moist; little Silt; unsorted.		12-6-07	, ND	S-1	
4		42"			4.0 to 4.5 Feet: Similar Soil. 4.5 to 5.5 Feet: Brown SILT, some Clay, little medium to fine Sand; moist; stiff. 5.5 to 8.0 Feet: Light Grey SILT and coarse to fir GRAVEL, little medium to fine Sand, trace Silt; dense; moist; unsorted.	е	12-6-0	9.8 7 ND	S-2	
8 - 9 -		3"			8.0 to 8.4 Feet: Similar Soil. *Bottom of Borehole at 8.4 Feet.* **Refusal 8.4 Feet.**		12-6-0	7 4.8	S-3	

SE				TEGIC TENTAL, LLC				LOCATIO	PROJECT N: Former A	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termin Sackets Harbor, NY
ATE STAF ATE COM OGGED B RILLING (AME OF (PLETI Y COMP	ED : 12 : N. ANY : SI	. Bradf E, LLC	7 ford ;	DRILLING METHOD : Geopro RIG TYPE : TOTAL DEPTH : 8.6 Fee APPOX. GW DEPTH : SAMPLING METHOD : Macro-	et		LO	G OF B	ORING SB-34 (Page 1 of 1)
eet) Blow Count	RECOVERY (inches)	nscs	GRAPHIC		DESCRIPTION	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
1-	26"			SAND, some coa	ight Brown medium to fine arse to fine angular Gravel/Rock coarse Sand; moist; unsorted;		12-11-0	ND	S-1	
3	20						12-11-0	ND	3-1	
4 2 1	39"			4.6 to 5.3 Feet: It Clay, trace Orga slightly plastic; s 5.3 to 8.0 Feet: fine Sand and m	Similar Soil, moist. Dark Reddish-Brown SILT, some nic Material (Roots); moist; tiff. Tan SILT, little Clay, coarse to redium to fine sub-rounded L TILL); wet; unsorted; very		12-11-C	2.1 07 ND	S-2	
8 9 9	6"			faint petroleum	hole at 8.6 Feet.*		12-11-0	07 ND	S-3	
10-										

	E				TEGIC IENTAL, LLC			LOCATIO	PROJEC N: Former	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termir , Sackets Harbor, NY
	COM ED B NG C	PLETE Y COMPA	ED : 12		RIG TYPE : ford TOTAL DEPTH : 9.4 Feet APPOX. GW DEPTH :			LO	G OF B	ORING SB-35 (Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					0.0 to 4.0 Feet: Light Brown medium to fine SAND some coarse to fine angular Gravel/Rock Fragments and coarse Sand; moist; unsorted; relatively loose; upper 6 inches frozen.			ND		
3		32"					12-11-0	7 ND	S-1	
4		46"			4.0 to 5.2 Feet: Similar Soil. 5.2 to 7.0 Feet: Dark Brown to Grey-Brown SILT, some Clay, trace Organic Material (Roots) in uppe 8 inches; slightly plastic; stiff. 7.0 to 7.8 Feet: Olive-Grey SILT, some Clay, trace coarse to fine Sand and fine Gravel; wet; softer than above; moderately plastic. 7.8 to 8.0 Feet: Tan SILT, little Clay, coarse to fine Sand and medium to fine sub-rounded Gravel (GLACIAL TILL); moist; unsorted; very dense.		12-11-0	ND 7	S-2	
8-		12"			8.0 to 9.4 Feet: SImilar Soil. *Bottom of Borehole at 9.4 Feet.* **Refusal 9.4 Feet.**		12-11-0	ND	S-3	

$\overline{S_{E}}$				FEGIC IENTAL, LLC				į	_OCATIOI	PROJEC N: Former A	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termin , Sackets Harbor, NY
ATE STAF ATE COM DGGED B' RILLING C AME OF D	PLETE Y COMPA	D : 12 : N. : NY : SI		ord	DRILLING METHOD RIG TYPE TOTAL DEPTH APPOX. GW DEPTH SAMPLING METHOD		9		LO	G OF B	ORING SB-36 (Page 1 of 1)
(table unit)	RECOVERY (inches)	nscs	GRAPHIC	D	ESCRIPTION		Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	27"			SAND, some coar Fragments and co	ght Brown medium to f rse to fine angular Gravarse Sand; moist; uns pper 6 inches frozen.	vel/Rock		12-13-0	ND 7	S-1	
4 5 6 7	47"			trace Organic Ma moist; slightly pla 7.2 to 8.0 Feet: O	Dark Grey-Brown SILT, Iterial (Roots) in upper stic; blocky structure; v Dlive-Grey SILT, some nd and fine Gravel; we	1.2 Feet; ery stiff. Clay, trace		12-13-0	ND ND	S-2	
8 9 9 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	11"			Sand and mediu (GLACIAL TILL)	Tan SILT, little Clay, co im to fine sub-rounded ; moist; unsorted; very hole at 9.0 Feet.*	Gravel		12-13-0	07 ND	S-3	

ppm=parts-per-million
Depths noted are approx.

Note: Bgs. = Below Ground Surface.
Soil classifications are based on visual and manual field observations only.

SI				NTEGIC MENTAL LLC				PROJEC N: Former	: Sackets Harbor CT NO.: 06-742 AFMC Petroleum Term t, Sackets Harbor, NY
LOGGE! DRILLIN	OMPLE D BY IG COM	TED : 1:	Pentl E, LLC	RIG TYPE : TOTAL DEPTH : 8.6 Feet APPOX. GW DEPTH :			LO	G OF B	ORING SB-37 (Page 1 of 1)
	Blow Count RECOVERY (inches)	nscs	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
1 2 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	25"			0.0 to 1.0 Feet: Brown medium to fine SAND and SILT; moist; stiff. 1.0 to 4.0 Feet: Coarse to medium angular GRAVEL, some Brown Silt, little coarse to fine Sand; unsorted; moist. 4.0 to 8.0 Feet: Grey SILT and coarse to fine sub-rounded GRAVEL, little Clay; moist; dense.		12-6-07	ND	S-1	
6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6"			8.0 to 8.6 Feet: Similar Soil. *Bottom of Borehole at 8.6 Feet.*		12-6-07	ND ND	S-2 S-3	

ATE STATE COORGED RILLING	MP BY GC(LETE OMPA	: 12 D : 12 : J.	2/6/07 2/6/07 Pentla E, LLC		DRILLING METHOD RIG TYPE TOTAL DEPTH APPOX. GW DEPTH SAMPLING METHOL	: : 8.8 Feet :	3	L	OCATION Ambr	PROJECT N: Former Al ose Street,	Sackets Harbor NO.: 06-742 FMC Petroleum Termini Sackets Harbor, NY ORING SB-38 (Page 1 of 1)
pth control of the co	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	[DESCRIPTION		Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		24"			coarse to fine su to fine Sand; mo 4.0 to 5.0 Feet: 5.0 to 8.0 Feet:	Brown medium to fine S b-rounded GRAVEL, lit ist; unsorted; Organics Similar Soil. Brown SILT, some Clay Sand; moist; no obviou	tle coarse at top.		12-6-07	0.2	S-1	
8 4.1.1.1.1.1.1.1.1.1.1.1.1.1		6"			8.0 to 8.8 Feet *Bottom of Bor **Refusal 8.8 F	ehole at 8.8 Feet.*			12-6-0	7 0.6	S-3	
10 –	1			10			ppm=pa	de nor o	nillion			

S	E				TEGIC IENTAL, LLC			LOCATIO	PROJEC N: Former	: Sackets Harbor :T NO.: 06-742 AFMC Petroleum Termin :, Sackets Harbor, NY
LOGGI DRILLI	COMF ED BY NG C	PLETE , OMPA	ED : 12	Pentla E, LLC	APPOX. GW DEPTH :			LO	G OF B	ORING SB-39 (Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
0		26"			0.0 to 1.0 Feet: Brown medium to fine SAND; moist; loose. 1.0 to 4.0 Feet: Brown SILT and coarse to fine GRAVEL, little medium to fine Sand.		12-6-07	ND 0.1	S-1	
5- 5- 7-		40"			4.0 to 5.0 Feet: Similar Soil. 5.0 to 8.0 Feet: Dark Grey SILT, some Clay; slightly plastic; moist.		12-6-0	7 0.9	S-2	
8- 9-		12"			8.0 to 9.5 Feet: Similar Soil. *Bottom of Borehole at 9.5 Feet.* **Refusal 9.5 Feet.**		12-6-0	7 0.5	S-3	

ppm=parts-per-million

STRATEGIC ENVIRONMENTAL, LLC									PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal Ambrose Street, Sackets Harbor, NY			
DATE STARTED: 12/11/07 DATE COMPLETED: 12/11/07 LOGGED BY: N. Bradford DRILLING COMPANY: SE, LLC NAME OF DRILLER: J. Pentland						DRILLING METHOD: Geoprobe RIG TYPE: : TOTAL DEPTH: 4 Feel APPOX. GW DEPTH: SAMPLING METHOD: Macro-Core			LOG OF BORING SB-40 (Page 1 of 1)			
Depth in (feet)	Blow Count	RECOVERY (inches)	SOSO	GRAPHIC		DESCRIPTION	. Macro-Cor	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
1		15"			some coarse to f	ight Brown medium to fi ine angular Gravel/Rock oarse Sand; moist; unso nole at 4.0 Feet.* et.**			12-11-0	7	\S-1	
Note:	Bas	= Bel	ow Grou	nd Sur	face		pom=part	s-ner-mil	lion			

Soil classifications are based on visual and manual field observations only.

Depths noted are approx.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL LLC Ambrose Street, Sackets Harbor, NY DATE STARTED : 12/5/07 DRILLING METHOD : Geoprobe DATE COMPLETED : 12/5/07 **RIG TYPE** LOG OF BORING SB-41 LOGGED BY : J. Pentland TOTAL DEPTH : 5.7 Feet DRILLING COMPANY: SE, LLC APPOX. GW DEPTH : (Page 1 of 1) NAME OF DRILLER : S. Quimby SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change COMMENTS **Blow Count** GRAPHIC Depth DATE MAX PID Core uscs **DESCRIPTION** in I.D. (feet) (ppm) 0-0.0 to 4.0 Feet: Coarse to fine angular and rounded GRAVEL, some coarse to fine Sand, little Silt; moist; unsorted. 0.4 24" 12-5-07 S-1 0.2 4.0 to 5.7 Feet: Light Grey SILT, some Clay, some coarse to fine sub-rounded Gravel; moist; stiff. 16" 12-5-07 0.9 S-2 5-*Bottom of Borehole at 5.7 Feet.* **Refusal 5.7 Feet.** 6-9

Note: Bgs. = Below Ground Surface.

Note: bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only.

S					FEGIC IENTAL, LLC				LOCATIO	PROJEC [*] N: Former A	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termina Sackets Harbor, NY
	OMI DB'	PLETE Y OMP/	D :12			DRILLING METHOD : Geog RIG TYPE : TOTAL DEPTH : 5.6 F APPOX. GW DEPTH : SAMPLING METHOD : Macr	eet		LO	G OF B	ORING SB-42 (Page 1 of 1)
Depth in feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	Γ	DESCRIPTION	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
2 3 3 4		23"			4.0 to 5.6 Feet: coarse to fine Sodor at bottom;	Dark Brown SILT, some Clay, and; moist; stiff; slight petroleu staining. hole at 5.6 Feet.*	littie	12-5-0	38.2	S-1	
6										,	

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL, LLC Ambrose Street, Sackets Harbor, NY DATE STARTED : 12/5/07 DRILLING METHOD : Geoprobe DATE COMPLETED : 12/5/07 RIG TYPE LOG OF BORING SB-43 LOGGED BY : J. Pentland TOTAL DEPTH : 5.5 Feet DRILLING COMPANY: SE, LLC APPOX. GW DEPTH : (Page 1 of 1) NAME OF DRILLER : S. Quimby SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC Depth DATE MAX PID Core uscs in **DESCRIPTION** I.D. (feet) (ppm) 0. 0.0 to 3.8 Feet: Coarse to fine sub-rounded GRAVEL, some coarse to fine Sand, little Silt; moist; unsorted. 3.8 to 4.0 Feet: Dark Grey SILT, some Clay; moist; 1.0 31" 12-5-07 S-1 3-16.8 4.0 to 5.5 Feet: Coarse to fine Brown SAND, some Clay and Silt; moist; unsorted; heavy odor at bottom. 16" 12-5-07 177 S-2 5-*Bottom of Borehole at 5.5 Feet.* **Refusal 5.5 Feet.** 10-

Note: Bgs. = Below Ground Surface. Soil classifications are based on visual and manual field observations only.

in S S S S DESCRIPTION S DATE MAX PID Core S S S S S S S S S	S_{1}	E				TEGIC IENTAL, ELC				LOCATIO	PROJEC N: Former	: Sackets Harbor IT NO.: 06-742 AFMC Petroleum Termina i, Sackets Harbor, NY
0.0 to 2.5 Feet: Coarse to fine sub-rounded GRAVEL, some coarse to fine Sand, little Silt, Organics; moist; unsorted. 2.5 to 4.0 Feet: Dark Grey SILT, some Clay, little medium fine Sand; moist; stiff; slight petroleum odor. 31" 4.0 to 4.5 Feet: Similar Soil. 4.5 to 5.7 Feet: Light Grey SILT and coarse to fine SAND, little Clay; moist; stiff; little odor. 12-5-07 97 S-2 *Bottom of Borehole at 5.7 Feet.**	DATE (LOGGI DRILLI	COM ED B NG (PLETI Y COMP	ED : 12 : J. ANY : SI	2/5/07 Pentla E, LLC	:	RIG TYPE : TOTAL DEPTH : 5.7 Feet APPOX. GW DEPTH :			LO	G OF B	
31" 0.0 to 2.5 Feet: Coarse to fine sub-rounded GRAVEL, some coarse to fine Sand, little Silt, Organics; moist; unsorted. 2.5 to 4.0 Feet: Dark Grey SILT, some Clay, little medium fine Sand; moist; stiff; slight petroleum odor. 31" 4.0 to 4.5 Feet: Similar Soil. 4.5 to 5.7 Feet: Light Grey SILT and coarse to fine SAND, little Clay; moist; stiff; little odor. 12-5-07 97 S-2 *Bottom of Borehole at 5.7 Feet.* **Refusal 5.7 Feet.**	epth in feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	С	DESCRIPTION	Depth of Change	DATE			COMMENTS
5 - 26" 12-5-07 97 S-2 *Bottom of Borehole at 5.7 Feet.*	2		31"			GRAVEL, some of Organics; moist; 2.5 to 4.0 Feet: Distribution fine San	coarse to fine Sand, little Silt, unsorted. Oark Grey SILT, some Clay, little		12-5-07		S-1	
	5		26"			4.5 to 5.7 Feet: L SAND, little Clay	ight Grey SILT and coarse to fine; moist; stiff; little odor.		12-5-07	97	S-2	
	9-											

DATE STARTED 12/5/07 DRILLING METHOD Geoprobe COMPLETED 12/5/07 RIG TYPE 15.9 Feet COGGED BY 1.9 Pentland DRILLING COMPANY SELLIC APPOX. GW DEPTH 1.5.9 Feet Complete	SE				FEGIC TENTAL, LLC		L	OCATIO	PROJECT N: Former A	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termin Sackets Harbor, NY
Depth in (feet) British and Description De	DATE CO LOGGED DRILLING	MPLET BY COMF	ED: 12 : J. PANY: SE	2/5/07 Pentla E, LLC	RIG TYPE nd TOTAL DI APPOX. G	E : EPTH : 5.9 Feet GW DEPTH :		LO	G OF B	
1 1 2 30" 2 1 30" 2 1 30" 2 2 3" 3 3 5 5 6 Eet: Brown SiLT, some Clay, little medium to fine Sand, trace rounded Gravel; moist; stiff. 4 1 1.6 4.0 to 4.5 Feet: Brown SiLT, some Clay, little medium to fine Sand; moist; slightly plastic. 4.5 to 5.9 Feet: Brown SiLT and CLAY and medium rounded GRAVEL; moist; slightly plastic; no obvious petroleum odors. 4 Bottom of Borehole at 5.9 Feet.*		T			· · · · · · · · · · · · · · · · · · ·		 DATE			
4.0 to 4.5 Feet: Brown SiLT, some Clay, little medium to fine Sand; moist; slightly plastic. 4.5 to 5.9 Feet: Brown SiLT and CLAY and medium rounded GRAVEL; moist; slightly plastic; no obvious petroleum odors. *Bottom of Borehole at 5.9 Feet.*	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	30"			some coarse to fine Sand, littl unsorted. 2.0 to 4.0 Feet: Brown SILT, s medium to fine Sand, trace ro	le Silt; moist; some Clay, little	12-5-07		S-1	
7-	9 5	23"			medium to fine Sand; moist; s 4.5 to 5.9 Feet: Brown SILT a medium rounded GRAVEL; n no obvious petroleum odors. *Bottom of Borehole at 5.9 Fe	slightly plastic. and CLAY and noist; slightly plastic;	12-5-07	0.5	S-2	

Note: Bgs. = Below Ground Surface.

S	E	RTED	ENVII		TEGIC IENTAL LLC	DRILLING METHOD : G	eoprobe		-	LOCATIO	PROJEC N: Former	Sackets Harbor T NO.: 06-742 AFMC Petroleum Terminal , Sackets Harbor, NY
DATE (LOGGE DRILLI	COM ED B NG C	PLETI Y COMP	ED : 12	2/5/07 Pentla E, LLC		RIG TYPE :	8 Feet			LO	G OF B	ORING SB-46 (Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	Ε	DESCRIPTION		Depth of Change	DATE	MAX PID (ppm)	Core 1.D.	COMMENTS
0 — 1 — 1 — 1 — 1 — 1 — 1 — 1 — 1 — 1 —		20"			GRAVEL, some of unsorted; Organi	Coarse to fine sub-rounded coarse to fine Sand; moist; cs near top. Similar Soil; water table noticeable petroleum odor.			12-5-07	0.2	S-1	
5		10"			*Bottom of Borel **Refusal 5.8 Fe	nole at 5.8 Feet.* et.**			12-5-07	0.8	S-2	
6												

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL, LLC Ambrose Street, Sackets Harbor, NY : 12/5/07 DRILLING METHOD : Geoprobe DATE STARTED DATE COMPLETED : 12/5/07 **RIG TYPE** LOG OF BORING SB-47 LOGGED BY : J. Pentland TOTAL DEPTH : 6.0 Feet DRILLING COMPANY: SE, LLC APPOX. GW DEPTH : (Page 1 of 1) NAME OF DRILLER : S. Quimby SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change COMMENTS **Blow Count** GRAPHIC Depth DATE MAX PID Core **NSCS DESCRIPTION** in I.D. (feet) (ppm) 0. 0.0 to 4.0 Feet: Sub-rounded coarse to fine GRAVEL, some coarse to fine Sand, trace Silt; unsorted; moist. ND 26" 12-5-07 S-1 3 phonton ND 4.0 to 6.0 Feet: Brown SILT, some Clay, trace medium to fine sub-rounded Gravel, slightly plastic; moist; unsorted; no noticeable petroleum odor. 12-5-07 0.2 S-2 20" *Bottom of Borehole at 6.0 Feet.* **Refusal 6.0 Feet.** 6. 9-

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only.

SE				TEGIC IENTAL, ELC		His region of the	LOCATIO	PROJEC N: Former /	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termina Sackets Harbor, NY
ATE STA ATE CO! OGGED PRILLING IAME OF	MPLET BY COMP	ED : 12 : J. ANY : SE	Pentla E, LLC	APPOX, GW DEPTH :	ı		LO	G OF B	ORING SB-48 (Page 1 of 1)
eet) Blow Count	RECOVERY (inches)	nscs	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
2 3 3	22"			0.0 to 4.0 Feet: Brown coarse to fine sub-rounded GRAVEL, some coarse to fine Sand; moist; unsorted.		12-5-0	7 0.2	S-1	
4 5 5	28"			4.0 to 5.6 Feet: Brown SILT, some medium to fine Sand, little Clay; stiff; moist; no noticeable petroleum odor. *Bottom of Borehole at 5.6 Feet.* **Refusal 5.6 Feet.**	9	12-5-0	7 0.1	S-2	
9 10 10									

DATE STARTED : 12/5/07 DATE COMPLETED : 12/5/07 RIG TYPE : 12/5/07 RIG TYPE : 5.5 Feet TOTAL DEPTH : 5.5 Feet S. Quimby SAMPLING METHOD : Macro-Core (Page 1 of 1)	SE				FFGIC BENTAL, LLC			LOCATIO	PROJECT N: Former A	Sackets Harbor 「NO.: 06-742 FMC Petroleum Termina Sackets Harbor, NY
0.0 to 3.0 Feet: Brown SILT and Grey and Black coarse to fine angular GRAVEL, little coarse to fine Sand; unsorted; moist. 3.0 to 4.0 Feet: Dark Grey SILT and CLAY, little medium to fine Sand; moist; plastic. 12-5-07 S-1 4.0 to 4.5 Feet: Similar Soil. 4.5 to 5.5 Feet: Light Grey SILT, some coarse to fine sub-angular Gravel, little Clay, trace medium to fine Sand; moist; slightly plastic; no noticeable petroleum odor.	DATE COM LOGGED B DRILLING (PLETE Y COMP/	ED: 12 : J. ANY: SE	/5/07 Pentla E, LLC	RIG TYPE : TOTAL DEPTH : 5.5 Feet APPOX. GW DEPTH :			LO	G OF BO	
1-1 30" 3.0 to 4.0 Feet: Brown SILT and Grey AVEL, little coarse to fine Sand; unsorted; moist. 3.0 to 4.0 Feet: Dark Grey SILT and CLAY, little medium to fine Sand; moist; plastic. 4.0 to 4.5 Feet: Similar Soil. 4.5 to 5.5 Feet: Light Grey SILT, some coarse to fine sub-angular Gravel, little Clay, trace medium to fine Sand; moist; slightly plastic; no noticeable petroleum odor.	Depth in (feet)	RECOVERY (inches)	nscs	GRAPHIC	DESCRIPTION	Depth of Change	DAT			COMMENTS
4.0 to 4.5 Feet: Similar Soil. 4.5 to 5.5 Feet: Light Grey SILT, some coarse to fine sub-angular Gravel, little Clay, trace medium to fine Sand; moist; slightly plastic; no noticeable petroleum odor.	1 2 2	30"			coarse to fine angular GRAVEL, little coarse to fine Sand; unsorted; moist. 3.0 to 4.0 Feet: Dark Grey SILT and CLAY, little		12-5-	07	S-1	
		18"			4.5 to 5.5 Feet: Light Grey SILT, some coarse to fine sub-angular Gravel, little Clay, trace medium fine Sand; moist; slightly plastic; no noticeable petroleum odor.	to	12-5	-07 ND	S-2	

$\overline{S_{l}}$					TEGIC IENTAL LLC					PROJEC N: Former	: Sackets Harbor IT NO.: 06-742 AFMC Petroleum Termina t, Sackets Harbor, NY
	OM D B'	PLETE Y OMP/	ED : 12		;	DRILLING METHOD : Geoprol RIG TYPE : TOTAL DEPTH : 5.6 Feet APPOX. GW DEPTH : SAMPLING METHOD : Macro-C			LO	G OF B	ORING SB-50 (Page 1 of 1)
	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	Е	DESCRIPTION	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
0 1 2 3 4 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		12"			some medium to 1.5 to 4.0 Feet: E medium to fine S	Grey SILT, some Clay, trace evel; moist; stiff; some odor.		12-5-07	0.2	S-1	
9											

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL, LLC Ambrose Street, Sackets Harbor, NY DATE STARTED : 12/5/07 DRILLING METHOD : Geoprobe DATE COMPLETED : 12/5/07 RIG TYPE LOG OF BORING SB-51 LOGGED BY : J. Pentland TOTAL DEPTH : 6.1 Feet DRILLING COMPANY: SE, LLC APPOX. GW DEPTH : (Page 1 of 1) NAME OF DRILLER : S. Quimby SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change Blow Count GRAPHIC Depth DATE MAX PID Core **DESCRIPTION** in J.D. (feet) (ppm) 0. 0.0 to 0.5 Feet: Coarse to fine SAND, little Silt; moist; unsorted; Organic. 0.5 to 4.0 Feet: Brown SiLT, some angular and rounded medium to fine Gravel, little coarse to fine 1.3 Sand, trace Clay; moist; stiff. 42" 12-5-07 S-1 3-2.8 4.0 to 6.1 Feet: Similar Soil, no noticeable 2 mhiithin petroleum odor. *Bottom of Borehole at 6.1 Feet.*
Refusal 6.1 Feet. 23" 12-5-07 0.7 S-2 6 9

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only.

S _E					FEGIC ENTAL, ELC			L	_OCATIO	PROJEC' N: Former A	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termina , Sackets Harbor, NY
DATE ST DATE CO LOGGED DRILLING NAME OF	OMP O BY G C	LETE OMPA	D : 12 : J. NY : SE	Pentla E, LLC		DRILLING METHOD : Geop RIG TYPE : TOTAL DEPTH : 5.0 FO APPOX. GW DEPTH : SAMPLING METHOD : Macro	eet		LO	G OF B	ORING SB-52 (Page 1 of 1)
epth in eet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	Ε	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
2 3 3		37"			GRAVEL, little counsorted. 1.5 to 4.0 Feet: 8	Brown SILT and coarse to fine parse to fine Sand; moist; Brown SILT, some Clay, trace nded Gravel; moist; stiff.		12-6-07	0.6 ND	S-1	
4 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10"			*Bottom of Bore **Refusal 5.0 Fe	hole at 5.0 Feet.*		12-6-07	7 ND	S-2	
6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1											

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL, LLC Ambrose Street, Sackets Harbor, NY DATE STARTED : 12/6/07 DRILLING METHOD : Geoprobe DATE COMPLETED : 12/6/07 **RIG TYPE** LOG OF BORING SB-53 LOGGED BY TOTAL DEPTH : 4.5 Feet : J. Pentland DRILLING COMPANY: SE, LLC APPOX. GW DEPTH: (Page 1 of 1) SAMPLING METHOD: Macro-Core NAME OF DRILLER : D. LaClair RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC Depth DATE MAX PID Core **USCS DESCRIPTION** in I.D. (feet) (ppm) 0.0 to 2.0 Feet: Brown SILT, come Clay, little medium to fine Sand; moist; stiff; Organics near 2.0 to 4.0 Feet: Grey SILT, some coarse to fine rounded Gravel, little Clay; moist; dense. ND 12-6-07 S-1 26" 0.1 4.0 to 4.5 Feet: Similar Soil; no noticeable 12-6-07 S-2 10" petroleum odor. *Bottom of Borehole at 4.5 Feet.* *Refusal 4.5 Feet.** 5 6

Note: Bgs. = Below Ground Surface.

S_{E}				FEGIC ENTAL ELC				LOCATIO	PROJEC N: Former	: Sackets Harbor CT NO.: 06-742 AFMC Petroleum Termina t, Sackets Harbor, NY
OATE STA OATE COM OGGED E ORILLING IAME OF	IPLETE BY COMP	ED : 12 : J. ANY : SE			DRILLING METHOD : Geography : Geography : Geography : 4.3 F APPOX. GW DEPTH : SAMPLING METHOD : Macr	eet		LO	G OF B	ORING SB-54 (Page 1 of 1)
epth in eet)	RECOVERY (inches)	nscs	GRAPHIC	Ε	DESCRIPTION	Depth of Change	DATE	: MAX PID (ppm)	Core I.D.	COMMENTS
1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	40"			GRAVEL, little comoist. 2.0 to 4.0 Feet: E	Brown SILT and coarse to fine parse to fine Sand; unsorted; Brown SILT, some Clay, little and, some sub-rounded Grave	el;	12-6-0	7 0.2	S-1	
5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	2"			4.0 to 4.3 Feet: \$ *Bottom of Bore! **Refusal 4.3 Fe	nole at 4.3 Feet.*		12-6-0	7 0.4	S-2	

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL, LLC Ambrose Street, Sackets Harbor, NY DRILLING METHOD : Geoprobe DATE STARTED : 11/20/07 DATE COMPLETED : 11/20/07 **RIG TYPE** LOG OF BORING SB-55 TOTAL DEPTH LOGGED BY : J. Pentland : 5.8 Feet APPOX. GW DEPTH: DRILLING COMPANY: SE, LLC (Page 1 of 1) NAME OF DRILLER : S. Quimby SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC Depth DATE MAX PID Core uscs **DESCRIPTION** in LD. (feet) (ppm) 0.0 to 2.0 Feet: Dark Brown SILT, some medium to fine Sand, little Clay; moist; moderately plastic; Organics near top. 2.0 to 4.0 Feet: Light Grey SILT, some coarse to 3.1 fine Gravel, little coarse to fine Sand; moist; 11-20-07 S-1 48" 91 3 4.0 to 5.8 Feet: Light Grey coarse to fine GRAVEL, some Silt, little medium to fine Sand; moist; unsorted. 11-20-07 S-2 32" *Bottom of Borehole a 5.8 Feet*
Refusal at 5.8 Feet 282 9 10

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only

S					TEGIC IENTAL LUC			and the second	LOCATIO	PROJEC N: Former A	Sackets Harbor T NO.: 06-742 AFMC Petroleum Terminal , Sackets Harbor, NY
	OM. ED B'	PLETE Y COMPA	D :11		, and	DRILLING METHOD : Geoprobe RIG TYPE : TOTAL DEPTH : 5.9 Feet APPOX. GW DEPTH : SAMPLING METHOD : Macro-Co			LO	G OF B	ORING SB-56 (Page 1 of 1)
Depth in feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	С	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
2-1		40"			fine Sand, trace of Organics. 0.5 to 3.5 Feet: Emoderately plast 3.5 to 4.0 Feet: L	ight Grey sub-rounded coarse to		11-20-0	ND 7 0.3	S-1	
5-6-	1	33"			*Bottom of Borel	hole a 5.9 Feet*		11-20-0	7 244	S-2	
7 - 8 - 9 -											

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL, LLC Ambrose Street, Sackets Harbor, NY DATE STARTED : 11/20/07 DRILLING METHOD : Geoprobe DATE COMPLETED : 11/20/07 RIG TYPE LOG OF BORING SB-57 LOGGED BY : J. Pentland TOTAL DEPTH : 5.8 Feet APPOX. GW DEPTH : DRILLING COMPANY: SE, LLC (Page 1 of 1) NAME OF DRILLER : S. Quimby SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change COMMENTS **Blow Count** GRAPHIC Depth DATE MAX PID Core uscs in **DESCRIPTION** I.D. (feet) (ppm) 0. 0.0 to 0.5 Feet: Dark Brown SILT and medium to fine Sand, trace Clay; moist. 0.5 to 3.5 Feet: Dark Brown SILT, some Clay; slightly plastic; moist; stiff. 12.6 3.5 to 4.0 Feet: Coarse to fine sub-angular and angular GRAVEL, some Silt, little medium to fine Sand; unsorted; petroleum odor. 48" 11-20-07 S-1 6.8 4.0 to 5.8 Feet: Similar Soil. *Bottom of Borehole a 5.8 Feet* 21" **Refusal at 5.8 Feet** 11-20-07 620 S-2 5-

Note: Bgs. = Below Ground Surface. Soil classifications are based on visual and manual field observations only.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC ENVIRONMENTAL, LLC Ambrose Street, Sackets Harbor, NY DRILLING METHOD : Geoprobe DATE STARTED : 11/20/07 **RIG TYPE** DATE COMPLETED : 11/20/07 LOG OF BORING SB-58 TOTAL DEPTH : 5.4 Feet LOGGED BY : J. Pentland APPOX. GW DEPTH: DRILLING COMPANY: SE, LLC (Page 1 of 1) SAMPLING METHOD: Macro-Core NAME OF DRILLER : S. Quimby RECOVERY (inches) Depth of Change COMMENTS Count **GRAPHIC** Depth DATE MAX PID Core **USCS DESCRIPTION** in Blow (I.D. (feet) (ppm) 0-0.0 to 0.5 Feet: Dark Brown SILT and medium to fine SAND, trace Clay; Organics; moist; slightly plastic. 0.5 to 3.0 Feet: Brown SILT, some Clay; 5.6 moderately plastic; stiff; moist. 3.0 to 4.0 Feet: Light Grey SILT, some coarse to fine sub-rounded Gravel, little medium to fine 3 1 Sand; moist; unsorted; heavy petroleum odor at 11-20-07 S-1 44" bottom. 450 4.0 to 5.4 Feet: Similar Soil, layer of Green stained Silt at 4 feet. 11-20-07 1908 S-2 23" *Bottom of Borehole a 5.4 Feet* **Refusal at 5.4 Feet**

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC ENVIRONMENTAL, LLC Ambrose Street, Sackets Harbor, NY DRILLING METHOD : Geoprobe DATE STARTED : 11/20/07 **RIG TYPE** DATE COMPLETED : 11/20/07 LOG OF BORING SB-59 TOTAL DEPTH : 5.4 Feet LOGGED BY : J. Pentland DRILLING COMPANY: SE, LLC APPOX. GW DEPTH: (Page 1 of 1) NAME OF DRILLER : S. Quimby SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change COMMENTS Count GRAPHIC Depth DATE MAX PID Core USCS **DESCRIPTION** in I.D. Blow (feet) (ppm) 0-0.0 to 1.0 Feet: Dark Brown SILT and medium to fine SAND, trace Clay, Organics. 1.0 to 2.0 Feet: Brown coarse to fine SAND, trace Silt; moist; loose. ND 2.0 to 3.0 Feet: Brown SILT, some Clay, slightly plastic; dense; moist. 3.0 to 4.0 Feet: Light Grey SILT, little coarse to 11-20-07 S-1 42" fine sub-rounded and angular Gravel, trace medium to fine Sand; unsorted; heavy petroleum odor at bottom. ND 4.0 to 5.4 Feet: Similar Soil. *Bottom of Borehole a 5.4 Feet*
Refusal at 5.4 Feet 11-20-07 20 S-2 13" ENBACK UP OF JD COMPIMTECHS/JamiesLogs/Sackels Harbon/SB-59.BOR 6 mfartha 8 9. 10

Note: Bgs. = Below Ground Surface. are based on visual and manual field observations only

$\overline{S_{\mathrm{I}}}$					TEGIC IENTAL, LLC				L	OCATIO	PROJEC N: Former /	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termina , Sackets Harbor, NY
OGGEI	OMP D BY IG C	PLETE , OMPA	D :11	Pentla E, LLC	r and -	ORILLING METHOD RIG TYPE FOTAL DEPTH APPOX. GW DEPTH SAMPLING METHOD	: : 6.4 Feet :	e		LO	G OF B	ORING SB-60 (Page 1 of 1)
epth in eet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	DES	CRIPTION		Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 2 3 4 5 6 mm/1000/1000/1000/1000/1000/1000/1000/1		40"			0.0 to 0.5 Feet: Dark fine Sand, little sub-ro Organics. 0.5 to 1.5 Feet: Brown plastic; moist; stiff. 1.5 to 4.0 Feet: Brown sub-angular Gravel, little sub-angular Gravel, little sub-round fine Sand, little sub-rounsorted; heavy odor *Bottom of Borehole: **Refusal at 6.4 Feet	unded fine Gravel; n SILT, some Clay, n SILT, some mediattle Clay; moist; unsome SILT, some Clay, Grey SILT, some nounded Gravel; mois near boltom.	moist; slightly um to fine sorted.		11-20-07	3.6	S-1	
7 7 8 9 10												

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL, LLC Ambrose Street, Sackets Harbor, NY DATE STARTED DRILLING METHOD : Geoprobe : 11/20/07 DATE COMPLETED : 11/20/07 RIG TYPE LOG OF BORING SB-61 LOGGED BY : J. Pentland TOTAL DEPTH : 6.5 Feet DRILLING COMPANY: SE, LLC APPOX. GW DEPTH : (Page 1 of 1) NAME OF DRILLER : S. Quimby SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change COMMENTS **Blow Count** GRAPHIC Depth DATE MAX PID Core USCS in **DESCRIPTION** I.D. (feet) (ppm) 0-0.0 to 0.5 Feet: Dark Brown SILT and fine SAND, little Clay; moist; Organics; unsorted. 0.5 to 1.0 Feet: Brown SILT, little Clay, slightly plastic; stiff; moist. 4.3 1.0 to 4.0 Feet: Brown SILT, little fine Sand; moderately stiff. 39" 11-20-07 S-1 0.5 4.0 to 4.5 Feet: Similar Soil. 4.5 to 6.5 Feet: Light Tan SILT and coarse to fine sub-rounded GRAVEL, little medium to fine Sand; 40" 11-20-07 404 S-2 *Bottom of Borehole a 6.5 Feet* **Refusal at 6.5 Feet** 6.

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only.

DATE COMPLETED : 11/20/07 RIG TYPE : LOG OF BORING SB-62 LOGGED BY : J. Pentland TOTAL DEPTH : 6.6 Feel		ENVIR	ONM	ENTAL LLC		L	_OCATIO	PROJEC N: Former /	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termina , Sackets Harbor, NY
0.0 to 1.0 Feet: Dark Brown to Black SILT, some coarse to fine Sand, Organics; moist; unsorted. 1.0 to 4.0 Feet: Brown SILT, some Clay; moderately plastic; moist; stiff. 3-4 4.0 to 6.6 Feet: Light Tan SILT, some coarse to fine sub-rounded and angular Gravel, little medium to fine Sand; unsorted; little petroleum odor. *Bottom of Borehole a 6.6 Feet* **Refusal at 6.6 Feet* 11-20-07 1.1 S-2	LETE OMPA	D : 11 : J. ANY : SE	/20/07 Pentla E, LLC	RIG TYPE : Ind TOTAL DEPTH : 6.6 Fe APPOX. GW DEPTH :	et		LO	G OF B	ORING SB-62 (Page 1 of 1)
0.0 to 1.0 Feet: Dark Brown to Black SiLT, some coarse to fine Sand, Organics; moist; unsorted. 1.0 to 4.0 Feet: Brown SiLT, some Clay; moderately plastic; moist; stiff. 4.0 to 6.6 Feet: Light Tan SiLT, some coarse to fine sub-rounded and angular Gravel, little medium to fine Sand; unsorted; little petroleum odor. *Bottom of Borehole a 6.6 Feet* **Refusal at 6.6 Feet** 11-20-07 1.1 S-2	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE			COMMENTS
4.0 to 6.6 Feet: Light Tan SILT, some coarse to fine sub-rounded and angular Gravel, little medium to fine Sand; unsorted; little petroleum odor. *Bottom of Borehole a 6.6 Feet* **Refusal at 6.6 Feet** 11-20-07 1.1 S-2	43"			coarse to fine Sand, Organics; moist; unsorted. 1.0 to 4.0 Feet: Brown SILT, some Clay;		11-20-0	7	S-1	
	33"			to fine Sand; unsorted; little petroleum odor. *Bottom of Borehole a 6.6 Feet*	ım	11-20-0	7 1.1	S-2	
777777777777777777777777777777777777777		RECOVERY (inches)	ENVIRGED: 11 LETED: 11 : J. DMPANY: SE RILLER: S. CONERN : S. 43"	ENVIRONM ED : 11/20/07 : J. Pentla DMPANY : SE, LLC RILLER : S. Quiml OWAPHIC ORAPHIC ORAPHIC OWAPHIC O	SPECIAL STREET S	ENVIRONMENTAL LLC ED: 11/20/07	ENVIRONMENTAL LLC ED : 11/20/07 DRILLING METHOD : Geoprobe I	STRATEGIC ENVIRONMENTAL LLC ED :11/20/07 DRILLING METHOD : Geoprobe LETED :11/20/07 RIG TYPE : J. Pentland MPANY : SE, LLC APPOX. GW DEPTH : RILLER : S. Quimby DESCRIPTION O.0 to 1.0 Feet: Dark Brown to Black SILT, some coarse to fine Sand, Organics; moist; unsorted. 1.0 to 4.0 Feet: Brown SILT, some Clay; moderately plastic; moist; stiff. 11-20-07 4.0 to 6.6 Feet: Light Tan SILT, some coarse to fine sub-rounded and angular Gravel, little medium to fine Sand; unsorted; little petroleum odor. *Bottom of Borehole a 6.6 Feet*	STRATEGIC ENVIRONMENTAL, LLC ED : 11/20/07 DRILLING METHOD : Geoprobe LETED : 11/20/07 RIG TYPE : J. Pentland TOTAL DEPTH : 6.6 Feel MPANY: SE, LLC APPOX. GW DEPTH : SAMPLING METHOD : Macro-Core COT DESCRIPTION DESCRIPTION O.0 to 1.0 Feet: Dark Brown to Black SILT, some coarse to fine Sand, Organics; moist; unsorted. 1.0 to 4.0 Feet: Brown SILT, some Clay; moderately plastic; moist; stiff. 4.0 to 6.6 Feet: Light Tan SILT, some coarse to fine sub-rounded and angular Gravel, little medium to line Sand; unsorted; little petroleum odor. *Bottom of Borehole a 6.6 Feet* *Bottom of Borehole a 6.5 Feet*

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL, LLC Ambrose Street, Sackets Harbor, NY : 11/20/07 DRILLING METHOD : Geoprobe DATE STARTED **RIG TYPE** DATE COMPLETED : 11/20/07 LOG OF BORING SB-63 TOTAL DEPTH : 6.3 Feet : J. Pentland LOGGED BY APPOX. GW DEPTH : DRILLING COMPANY: SE, LLC (Page 1 of 1) NAME OF DRILLER : S. Quimby SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change GRAPHIC Depth DATE MAX PID Core nscs **DESCRIPTION** in I.D. (feet) (ppm) 0.0 to 0.5 Feet: Dark Brown SILT and medium to fine SAND, trace medium sub-angular Gravel; moist; unsorted. 0.5 to 4.0 Feet: Brown SILT, some Clay, trace ND medium to fine Sand; somewhat plastic; moist. 11-20-07 S-1 40" ND 4.0 to 6.3 Feet: Light Tan SILT, some coarse to fine Gravel, little medium to fine Sand; unsorted; slight petroleum odor. 287 40" *Bottom of Borehole a 6.3 Feet* 11-20-07 S-2 **Refusal at 6.3 Feet**

Note: Bgs. = Below Ground Surface.

\overline{S}	E				TEGIC IENTAL LLC					LOCATIO	PROJECT N: Former A	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termir , Sackets Harbor, NY
.OGGI DRILLI	COM ED B' NG C	PLETE Y OMP	ED : 11	Pentla E, LLC	, and	DRILLING METHOD RIG TYPE TOTAL DEPTH APPOX. GW DEPTH SAMPLING METHO	: : 6.0 Feet H :	⁻ e		LO	G OF B	ORING SB-64 (Page 1 of 1)
epth in eet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	D	ESCRIPTION		Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
2		24"			fine Sand, trace (ark Brown SILT, som Clay; moist; unsorted. ight Grey to tan SILT, o-rounded Gravel, little ed.			11-20-0	7	S-1	
5		35"			4.0 to 6.0 Feet: Spetroleum odor. *Bottom of Boreh **Refusal at 6.0 F	imilar Soil; no noticea ole a 6.0 Feet* Feet**	able		11-20-0	7 1.0	S-2	
7												

Depths noted are approx.

DATE STA DATE CO LOGGED		ENVIF	RON:	TEGIC TENTAL LLC				PROJEC ON: Former	: Sackets Harbor CT NO.: 06-742 AFMC Petroleum Termi t, Sackets Harbor, NY
NAME OF	MPLET BY COMF	ED : 11 : J. PANY : SE	Pentl E, LLC	7 RIG TYPE : TOTAL DEPTH : 5.9 Feet APPOX. GW DEPTH :			LC	G OF B	ORING SB-65 (Page 1 of 1)
Depth in (feet)	(inches)	nscs	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	46"			 0.0 to 0.5 Feet: Black medium to fine GRAVEL and coarse to fine SAND; moist; unsorted. 0.5 to 2.5 Feet: Brown SILT, some Clay; moist; slightly plastic; dense. 2.5 to 4.0 Feet: Coarse to fine sub-rounded Grey GRAVEL, some light Grey Silt and coarse to fine Sand; unsorted; moist. 		11-20-07	4.6	S-1	
5	38"			4.0 to 5.9 Feet: Similar Soil. *Bottom of Borehole a 5.9 Feet* **Refusal at 5.9 Feet**		11-20-07	0.3	S-2	

SE				FEGIC BENTAL LLC				LOCATIO	PROJEC N: Former	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termir , Sackets Harbor, NY
ATE START ATE COMP OGGED BY PRILLING CO AME OF DE	LETE DMP/	ED : 11 : J. ANY : SI	Pentla E, LLC	and	DRILLING METHOD : Geoprob RIG TYPE : TOTAL DEPTH : 6.7 Feet APPOX. GW DEPTH : SAMPLING METHOD : Macro-C			LOG OF BORING SB-6		ORING SB-66 (Page 1 of 1)
epth in eet) Blow Count	RECOVERY (inches)	nscs	GRAPHIC]	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core 1.D.	COMMENTS
2 3 11 11 11 11 11 11 11 11 11 11 11 11 1	45"			0.5 to 3.0 Feet: E slightly plastic; sl	Black medium to fine Gravel and AND, Organics near top. Brown SILT, some Clay; moist; tiff. Light Brown SILT, some medium toub-rounded medium Gravel.	D	11-20-0	1.6	S-1	
5 6	41"			4.0 to 6.7 Feet: fine Gravel, little *Bottom of Bore **Refusal at 6.7	Light Brown SILT, some medium to medium to fine Sand. hole a 6.7 Feet* Feet**	0	11-20-(07 85.6	S-2	
8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9										

on Soil classifications are based on visual and manual field observations only.

Depths noted are approx.

S	E				TEGIC IENTAL, LLC				PROJEC N: Former	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termir , Sackets Harbor, NY
LOGG DRILL	COM ED B ING (IPLETI IY COMPA	ED : 1 ⁻ : J. ANY : S	Pentla E, LLC	7 RIG TYPE : and TOTAL DEPTH : 7.0 Feet APPOX. GW DEPTH :			LO	G OF B	ORING SB-67
Depth in (feet)	Blow Count	RECOVERY (inches)	ER : S	GRAPHIC	by SAMPLING METHOD: Macro-Col	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	(Page 1 of 1) SLUBWWOO
2-		47"			0.0 to 0.5 Feet: Dark Brown SILT and medium to fine SAND; Organics; moist. 0.5 to 0.5 Feet: Layer of Black coarse to fine GRAVEL at 0.5 Feet. 0.5 to 3.5 Feet: Reddish Brown SILT, some Clay; moist; plastic; stiff. 3.5 to 4.0 Feet: Light Brown SILT, some medium to fine angular Gravel towards bottom, little medium to fine Sand.		11-20-0	0.5 7 5.4	S-1	
5		35"			4.0 to 6.0 Feet: Similar Soil. 6.0 to 7.0 Feet: Light Brown SILT, little Clay and sub-rounded medium to fine Gravel, unsorted; stiff; strong odor. *Bottom of Borehole a 7.0 Feet* **Refusal at 7.0 Feet**		11-20-0	13.9 7 314	S-2	
7							1			

ppm=parts-per-million

SE				TEGIC IENTAL, LLC				LOCATIO	PROJECT N: Former A	Sackets Harbor NO.: 06-742 FMC Petroleum Termina Sackets Harbor, NY
OGGED RILLING	MPLET BY COM	ED:1: J. PANY:S	Pentla E, LLC	7 and :	DRILLING METHOD : Geoprob RIG TYPE : TOTAL DEPTH : 6.9 Feet APPOX, GW DEPTH :			LO	G OF BO	ORING SB-68 (Page 1 of 1)
epth in weet)	(inches)	ER : S	GRAPHIC mind		SAMPLING METHOD: Macro-C	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
1 1 2 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	32"			fine Sand; moist; 1.0 to 4.0 Feet: E stiff; Rock Fragm 4.0 to 6.9 Feet: I angular and sub	Brown SILT, some Clay; moist; nents at approximately 3.5 Feet. Light Grey SILT and coarse to fine frounded Grey GRAVEL, little		11-21-(0.3	S-1	
2 Adminitualian	34'			*Bottom of Bore **Refusal at 6.9	Sand; moist at approximately 5.0 petroleum odor. hole a 6.9 Feet* Feet**		11-21-6	102 07 815	S-2	
8 9 10 10										

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL, LLC Ambrose Street, Sackets Harbor, NY DATE STARTED : 11/21/07 DRILLING METHOD : Geoprobe DATE COMPLETED : 11/21/07 **RIG TYPE** LOG OF BORING SB-69 LOGGED BY : J. Pentland : 6.9 Feet TOTAL DEPTH DRILLING COMPANY: SE, LLC APPOX. GW DEPTH : NAME OF DRILLER : S. Quimby SAMPLING METHOD: Macro-Core (Page 1 of 1) RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC Depth DATE MAX PID uscs Core **DESCRIPTION** I.D. (feet) (ppm) 0.0 to 1.0 Feet: Black medium to fine GRAVEL and 1 2 3 4 5 5 6 coarse to fine SAND; moist; unsorted. 1.0 to 4.0 Feet: Brown SILT, some Clay; moist; soft. 1.4 30" 11-21-07 S-1 4.5 4.0 to 5.0 Feet: Similar Soil. 5.0 to 6.9 Feet: Light Grey SILT and coarse to fine sub-rounded GRAVEL, little medium to fine Sand; 11.3 unsorted; moist. 46" 11-21-07 S-2 *Bottom of Borehole a 6.9 Feet* **Refusal at 6.9 Feet** 232 8 9. 10-Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only

ppm=parts-per-million

SE				FEGIC ENTAL, LLC				LOCATIO	PROJEC N: Former	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termina , Sackets Harbor, NY
DATE STAR DATE COMI LOGGED B' DRILLING O NAME OF D	PLETE Y OMP/	ED : 11 : J. ANY : SI	Pentla E, LLC	nnd	DRILLING METHOD : Geopro RIG TYPE : TOTAL DEPTH : 6.3 Fee APPOX. GW DEPTH : SAMPLING METHOD : Macro-(t		LO	G OF B	ORING SB-70 (Page 1 of 1)
epth in feet)	RECOVERY (inches)	nscs	GRAPHIC	С	DESCRIPTION	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
1 2 3 4 5 5	39"			to fine SAND; mo 0.5 to 3.5 Feet: E moist; trace med 3.5 to 4.0 Feet: L fine Gravel, little	Brown SILT, some Clay; stiff; ium sub-rounded Gravel. Light Tan SILT and coarse to medium to fine Sand; unsorted. Similar Soil. ehole at 6.3 Feet*		11-21-(ND	S-1	
6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										
9 11 11 11 11 11 11 11	-									

S					KTEGIC MENTAL, LLC				PROJEC N: Former	: Sackets Harbor CT NO.: 06-742 AFMC Petroleum Termin t, Sackets Harbor, NY
LOGGI DRILLI	COM ED B ING (IPLETI Y COMP.	ED :1	Pentl E, LLC	7 RIG TYPE : and TOTAL DEPTH : 6.5 Feet C APPOX. GW DEPTH :			LO	G OF B	ORING SB-71 (Page 1 of 1)
Depth in feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
2 3 3		36"			O.0 to 1.0 Feet: Black fine GRAVEL and coarse to fine SAND; moist; unsorted. 1.0 to 4.0 Feet: Brown SILT, some Clay, little fine sub-rounded Gravel; moist; stiff.		11-21-0	0.8 7 ND	S-1	
5		28"			4.0 to 6.5 Feet: Tan SILT and coarse to fine GRAVEL, little medium to fine Sand; unsorted; layer of yellow stain at 6 feet. *Bottom of Borehole a 6.5 Feet* **Refusal at 6.5 Feet**		11-21-0	ND 7 3.6	S-2	

Note: Bgs. = Below Ground Surface.

ppm=parts-per-million

SE					TEGIC ENTAL LLC			E	_OCATIOI	PROJECT N: Former A	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termii Sackets Harbor, NY
OGGED RILLING	MP BY	LETE	D :11	Pentla E, LLC	nd	DRILLING METHOD : Geoprob RIG TYPE : TOTAL DEPTH : 6.7 Feet APPOX. GW DEPTH : SAMPLING METHOD : Macro-C			LO	G OF B	ORING SB-72 (Page 1 of 1)
epth in eet)	DIOW COULL	RECOVERY (inches)	nscs	GRAPHIC]	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
2 3 3		46"			fine SAND.	Black fine GRAVEL and coarse to Brown SILT, some Clay, little avel.		11-21-0	0.4	S-1	
4 5 7		44"			GRAVEL.	Tan SILT, some coarse to fine chole a 6.7 Feet* 7 Feet**		11-21-(0.6	S-2	
7 7 7 8 10 10											

$\overline{S_1}$					TEGIC ENTAL, LLC		L	.OCATIOI	PROJECT N: Former A	Sackets Harbor F NO.: 06-742 AFMC Petroleum Termina Sackets Harbor, NY
LOGGE	OMF D BY	PLETE 1	D :11	Pentla	RIG TYPE : nd TOTAL DEPTH : 6.5 APPOX. GW DEPTH :	Feet		LO	G OF B	ORING SB-73 (Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	R : S.	GRAPHIC	SAMPLING METHOD: Ma DESCRIPTION	Pepth of Change	DATE	MAX PID	Core I,D.	COMMENTS
0		46"			0.0 to 0.5 Feet: Dark Brown SILT and coarse fine SAND; moist; unsorted. 0.5 to 3.0 Feet: Brown SILT, some Clay, little medium to fine Sand; moist; unsorted. 3.0 to 4.0 Feet: Tan SILT, some medium to fine Sand, some medium to fine Gravel.		11-21-0	ND	S-1	
5-6-		28"			4.0 to 6.5 Feet: Similar Soil. *Bottom of Borehole a 6.5 Feet* **Refusal at 6.5 Feet**		11-21-0)7	S-2	
8 9	11111111									

Note: Bgs. = Below Ground Surface.

ppm=parts-per-million

$S_{ m I}$					EGIC ENTAL LLC				LOCATION	PROJECT N: Former A	Sackets Harbor 「NO.: 06-742 NFMC Petroleum Termina Sackets Harbor, NY
	OMF D BY IG C	LETE OMPA	D : 11 : J. ANY : SE		RIG TYPE TOTAL DEPTH APPOX. GW D	EPTH :			LO	G OF BO	ORING SB-74 (Page 1 of 1)
AME C	OF D	RILLE	R : S.	Quimb	y SAMPLING ME	THOD : Macro-C	Core				(rage 10/1)
epth in eet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	DESCRIPTION	J	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
2 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		41"			0.0 to 1.0 Feet: Black SILT and me SAND. 1.0 to 3.5 Feet: Brown SILT, some medium to fine Sand. 3.5 to 4.0 Feet: Brown SILT and c sub-rounded Gravel, little medium	e Clay, little		11-21-0	0.4 ND	S-1	
5-		33"			*Bottom of Borehole a 6.4 Feet* **Refusal at 6.4 Feet**			11-21-	1.0	S-2	
7											

							L	OCATIO	PROJECT N: Former A	Sackets Harbor F NO.: 06-742 FMC Petroleum Termina Sackets Harbor, NY
OMF	PLETE /	D: 11.	/21/07 Pentla	nd	RIG TYPE : TOTAL DEPTH : 6.3 Feet			LO	G OF B	ORING SB-75
						Core				(Page 1 of 1)
Blow Count	RECOVERY (inches)	nscs	GRAPHIC	Γ	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
				smail GRAVEL (possibly COAL). Brown SILT, some Clay, little			0.9		
	34"			3.7 to 4.0 Feet:	Tan SILT and coarse to fine		11-21-07		S-1	
								0.1		,
				Bottom of Bore	ehole a 6.3 Feet			0.2		
	41"			Tronustar di 6.0	, 1 55t		11-21-0	0.2	S-2	
	- h	<u></u>	٦							
بيييي										
mini										
	Blow Count D 3 G D D 3 G D D D D D D D D D D D D D	Blow Count Blow Count Blow Count 34"	ENVIRON ENVIRO	ENVIRONM TARTED : 11/21/07 COMPLETED : 11/21/07 COMPANY : SE, LLC OF DRILLER : S. Quimi ON SCS ON SCONDANY A1" A1"	COMPLETED: 11/21/07 ID BY: J. Pentland ING COMPANY: SE, LLC DF DRILLER: S. Quimby O.0 to 0.5 Feet: I small GRAVEL (0.5 to 3.7 Feet: medium to fine S 3.7 to 4.0 Feet: GRAVEL, little n 41" 41" 41" 41" 41" 41" 41" 41	ENVIRONMENTAL, LLC TARTED : 11/2/107 DRILLING METHOD : Geoprol Growth of the composition	ENVIRONMENTAL, LLC TARTED : 11/21/07	ENVIRONMENTAL LLC TARTED: 111/21/07	STRATEGIC ENVIRONMENTAL LIC STRATED: 11/21/07 COMPLETED: 11/21/07	STRATECIC ENVIRONMENTAL LICE STRATECIC STRATECIC ENVIRONMENTAL LICE TARTED : 11/21/07 DRILLING METHOD : Geoprobe (Mandrose Street, Ambrose S

S					TEGIC ENTAL LLC					LOCATIO	PROJEC' N: Former A	Sackets Harbor T NO.: 06-742 AFMC Petroleum Terminal Sackets Harbor, NY
LOGGE DRILLI	NG C	PLETE Y OMP	ED : 11 : J. ANY : SE	Pentla E, LLC	Ind	DRILLING METHOD RIG TYPE TOTAL DEPTH APPOX. GW DEPTH SAMPLING METHOD	: : 5.8 Feet :			LO	G OF B	ORING SB-76 (Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	ER : S.	GRAPHIC		DESCRIPTION	. Macro-Col	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0- 1- 1- 3- 3- 5- 6- 7-		36"			fine SAND; mois 0.5 to 2.5 Feet: E medium to fine S 2.5 to 4.0 Feet: 1	Brown SILT, some Clay, and, Organics; stiff; mo Fan SILT and coarse to redium to fine Sand. Similar Soil.	little ist.		11-21-0	ND 0.3	S-2	
10 Note:		= B∈	elow Grou	und St	irface.		• • • •	rts-per-m				

in S S S S DESCRIPTION S DESCRIPTION	DATE COMPLETED: 11/21/07 RIG TYPE: LOGGED BY: J. Pentland DRILLING COMPANY: SE, LLC NAME OF DRILLER: S. Quimby Depth In (feet) TOTAL DEPTH: 6.0 Feet APPOX. GW DEPTH: SAMPLING METHOD: Macro-Core (Page 1 Output) Depth In (feet) TOTAL DEPTH: 6.0 Feet APPOX. GW DEPTH: SAMPLING METHOD: Macro-Core (Page 1 Output) DESCRIPTION DESCRIPTION Output) O	
Depth in (feet) Subject of the standard of the	Depth in (feet) In O will be seen to see the second of the	
0.0 to 0.5 Feet: Dark Brown SILT and medium to fine SAND; moist; Organics. 0.5 to 3.5 Feet: Brown SILT, little medium to fine Sand; moist; stiff. 3.5 to 4.0 Feet: Light Grey SILT and coarse to fine GRAVEL and ROCK FRAGMENTS, little medium to fine Sand; petroleum odor. 46" 46" 4.0 to 6.0 Feet: Similar Soil.	0.0 to 0.5 Feet: Dark Brown SILT and medium to fine SAND; moist; Organics. 0.5 to 3.5 Feet: Brown SILT, little medium to fine Sand; moist; stiff.	
Bottom of Borehole a 6.0 Feet	2-1 46" fine Sand; petroleum odor. 11-21-07 S-1 3-1 0.6	
	Bottom of Borehole a 6.0 Feet **Refusal at 6.0 Feet** 11-21-07 24.5 S-2	

$S_{\mathbf{I}}$					EGIC ENTAL, LLC				LOCATIO	PROJECT N: Former A	Sackets Harbor NO.: 06-742 FMC Petroleum Termir Sackets Harbor, NY
OGGE	OMF DBY	PLETÉ /	D :11	Pentla		DRILLING METHOD : Geoph RIG TYPE : TOTAL DEPTH : 6.0 Fe APPOX. GW DEPTH :			LO	G OF BO	ORING SB-78
			R : S.		ру	SAMPLING METHOD: Macro	o-Core				(Page 1 of 1)
epth in eet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	DE:	SCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					fine SAND; Organic		0				
1					medium to fine San	wn SILT, some Clay, little d; stiff; molst; Organics.			0.2		
חווו					3.0 to 4.0 Feet: Tan GRAVEL, little med	SILT and coarse to fine fium to fine Sand; unsorted.					
2		47"						11-21-0)7	S-1	
-											
3-									0.7		
4-					4.0 to 6.0 Feet: Sin odor at 6.0 feet.	nilar Soil with slight petroleu	n				
5-		24"			*Bottom of Borehol **Refusal at 6.0 Fe	e a 6.0 Feet* et**		11-21-	0.7	S-2	
6-	- - - -	<u> </u>									
-	1										
7-											
8-	عيبليين		•								
9	1111111111										
10	=										

S			ENVII : 1	(O.N.) 1/21/0		DRILLING METHOD : Geopro	be			PROJEC ON: Former	: Sackets Harbor CT NO.: 06-742 AFMC Petroleum Termir t, Sackets Harbor, NY
	ED B	BY COMP	. j. ANY : SI		and C	RIG TYPE : TOTAL DEPTH : 5.9 Fee APPOX. GW DEPTH :			LC	G OF B	ORING SB-79
NAME	OF I		ER :S.	Quim	ь	SAMPLING METHOD: Macro-	Core				(Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	С	PESCRIPTION	Depth of Change	DATE	MAX PIC	Core I.D.	COMMENTS
0		31"			fine SAND. 0.5 to 2.5 Feet: Emedium to fine Si 2.5 to 4.0 Feet: L	imilar Soil. ole a 5.9 Feet*		11-21-07	0.5	S-1	
6—————————————————————————————————————											

SE				FEGIC ENTAL LLC				LOCATION	PROJECT N: Former A	Sackets Harbor NO.: 06-742 FMC Petroleum Termina Sackets Harbor, NY
ATE STAP ATE COM OGGED B RILLING (AME OF I	IPLETE Y COMP/	ED : 11 : J. ANY : SI	Pentla E, LLC	nd	DRILLING METHOD : Geoprob RIG TYPE : TOTAL DEPTH : 6.3 Feet APPOX. GW DEPTH : SAMPLING METHOD : Macro-C			LOC	G OF BO	ORING SB-80 (Page 1 of 1)
eet) Blow Count	RECOVERY (inches)	nscs	GRAPHIC	Г	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 2 3 4 5 5 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	42"			fine SAND, Orga Coal at 0.5 Feet. 0.5 to 4.0 Feet: E medium to fine S	Brown SILT, some Clay, little land; stiff; Organics. Brown SILT, some Clay, little Sand, Organics; stiff; moist; heav k Black staining at 5 to 6.3 feet; in odors.	1y	11-21-0	0.4	S-1	
7 6 7 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10				**Refusal at 6.3	Feet**					

S			ENVI		ATEGIC MENTAL, LLC					LOCATION Ami	PROJEC N: Former	: Sackets Harbor CT NO.: 06-742 AFMC Petroleum Termina t, Sackets Harbor, NY
	COM ED E NG (IPLET BY COMF	TED :1		7 and C	DRILLING METHOD : RIG TYPE : TOTAL DEPTH : APPOX. GW DEPTH : SAMPLING METHOD :	6.1 Feet	- ***		LC	G OF B	ORING SB-81 (Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	D	DESCRIPTION		Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				and the same of th	fine SAND, Orgar	rown SILT, some Clay, litt				1.2		
3-1111		30"							11-21-0	1.0	S-1	
5-1		39"			4.0 to 6.1 Feet: Lifine GRAVEL, little noticeable petrole *Bottom of Boreho **Refusal at 6.1 F	ple a 6.1 Feet*	se to		11-21-07		S-2	
6-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			-		Relusal at 0.1 F	eet				117		
9-												
			w Ground		ice.		ppm=parts-p	er-millio	 on		-	

SE				EGIC ENTAL LLC			L	OCATION	PROJECT N: Former A	Sackets Harbor F NO.: 06-742 AFMC Petroleum Termina Sackets Harbor, NY
OATE STA OATE CON OGGED F ORILLING NAME OF	MPLETE BY COMPA	ED : 11 . J. ANY : SE	Pentla E, LLC	nd	DRILLING METHOD : Geoprol RIG TYPE : TOTAL DEPTH : 6.0 Feel APPOX. GW DEPTH : SAMPLING METHOD : Macro-C			LO(G OF B	ORING SB-82 (Page 1 of 1)
Blow Count	RECOVERY (inches)	nscs	GRAPHIC]	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	40"			fine SAND; mois 0.5 to 2.5 Feet: I medium to fine S	Dark Brown SILT and medium to t; Organics. Brown SILT, some Clay, little Band, Organics; moist; stiff. Light Grey SILT and coarse to fin RAVEL, little medium to fine Sand		11-21-0	1.2	S-1	
4 5 6 11 11 11 11 11 11 11 11 11 11 11 11 1	24"				Similar Soil, slight petroleum odd ehole a 6.0 Feet* Feet**	г.	11-21-(58.6	S-2	
, 1 2 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4										

ppm=parts-per-million

Danths noted are approx

S	E		ENVI		ATEGIC MENTAL LLC				LOCATIO Amb	PROJEC DN: Former	: Sackets Harbor IT NO.: 06-742 AFMC Petroleum Terr t, Sackets Harbor, NY
LOGG DRILL	COM ED B ING C	PLET Y OMF	ED :1	Pent E, LL	07 land C	DRILLING METHOD : Geo RIG TYPE : TOTAL DEPTH : 7.1 APPOX. GW DEPTH : SAMPLING METHOD : Mac	Feet		LO	G OF B	ORING SB-83 (Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	D	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
1		28"			SAND, some ang trace Silt, Organic 0.5 to 3.5 Feet: Li SAND, trace Silt; 3.5 to 4.0 Feet: D	ght Brown medium to fine moist; loose. ark Brown SILT, some Clay, ine Sand: moderately plastic:		11-26-07	0.2 ND	S-1	
5 5 6 7		39"			fine sub-rounded	ght Brown SILT and coarse to Gravel, little coarse to fine noist; dense; no noticeable		11-26-07	9.5	S-2	
9 10 10											

S _E					EGIC ENTAL, LLC				LOCATIO	PROJECT N: Former A	Sackets Harbor 「NO.: 06-742 、FMC Petroleum Termina Sackets Harbor, NY
OGGEE RILLING	OMF O BY G C	PLETE , OMPA	D :11	Pentla E, LLC	APPOX. GW DEPTH	; : 7.7 Feet I :	e		LO	G OF BO	ORING SB-84 (Page 1 of 1)
epth in eet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	DESCRIPTION		Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
0 1 2 2 3 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		27"			0.0 to 4.0 Feet: Light Brown Reddish m fine SAND; loose; moist.	edium to		11-26-(0.1	S-1	
5 6 7		41"			4.0 to 5.0 Feet: Similar Soil. 5.0 to 7.7 Feet: Grey CLAY, some Silt, plastic; stiff; heavy petroleum odor and *Bottom of Borehole at 7.7 Feet* **Refusal at 7.7 Feet**	moist; d staining.		11-26-	240 07 435	S-2	
9-											

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only.

ppm=parts-per-million
Depths noted are approx.

Depth of Change	DATE	MAX PIE (ppm)		Page 1 of 1) SLNEWWOO
		(ppm)	I.D.	
	11-26-07		S-1	
		0.3		
	11-26-07	1312	S-2	
		11-26-07	11-26-07	

S _E					T:GIC Ental, LLC			[OCATIO	PROJECT N: Former A	Sackets Harbor 「NO.: 06-742 FMC Petroleum Terminal Sackets Harbor, NY
DATE ST DATE CO LOGGED DRILLING NAME OI	OMP OBY GC(LETE OMPA	D : 11 : J. .NY : SE	Pentla E, LLC	nđ	DRILLING METHOD : Geoprobe RIG TYPE : TOTAL DEPTH : 7.3 Feet APPOX. GW DEPTH : SAMPLING METHOD : Macro-Co	re		LO	G OF BO	ORING SB-86 (Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC		DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 1 2 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		23"			0.0 to 4.0 Feet: fine SAND; mois	Light Brown Reddish medium to st.		11-26-0	0.5	S-1	
5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		42"			medium to fine little coarse to bottom; no not	Brown SILT, some Clay, little Sand; moist; slightly plastic; stiff; fine Pink and Grey angular Gravel a iceable petroleum odors.	t	11-26-	1.8	S-2	
9-	l		elow Gro				arts-per-	million			

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL, LLC Ambrose Street, Sackets Harbor, NY DATE STARTED : 11/26/07 DRILLING METHOD : Geoprobe DATE COMPLETED : 11/26/07 **RIG TYPE** LOG OF BORING SB-87 LOGGED BY : J. Pentland TOTAL DEPTH : 7.2 Feet DRILLING COMPANY: SE, LLC APPOX. GW DEPTH : NAME OF DRILLER : S. Quimby (Page 1 of 1) SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC Depth DATE MAX PID in Core **DESCRIPTION** (feet) I.D. (ppm) 0-0.0 to 3.0 Feet: Brown SILT, little Clay and medium to fine Sand; very moist; Organics; dark stain at 2 3.0 to 4.0 Feet: Brownish Gray medium to fine 0.6 SAND; loose; moist; Organics. 2 3 4 5 5 6 7 7 T 31" 11-26-07 S-1 0.4 4.0 to 5.5 Feet: Brown SILT, little Clay and medium to fine Sand; moist; dense. 5.5 to 7.3 Feet: Light Gray SILT and coarse to fine sub-rounded Gravel, little medium to fine Sand, 0.9 trace Clay; unsorted; moist; stiff; no noticeable petroleum odors. 36" 11-26-07 S-2 *Bottom of Borehole at 7.2 Feet* **Refusal at 7.2 Feet** 201 9.

Note: Bgs. = Below Ground Surface.

ppm=parts-per-million
Depths noted are appro

$\overline{S_{I}}$					TEGIC ENTAL LLC				LOCATIO	PROJECT N: Former A	Sackets Harbor 「NO.: 06-742 NFMC Petroleum Termina Sackets Harbor, NY
OGGEI RILLIN	OMP D BY IG C	PLETE / OMPA	D :11	Pentla E, LLC	nd	DRILLING METHOD : Geoprobe RIG TYPE : TOTAL DEPTH : 6.6 Feet APPOX. GW DEPTH : SAMPLING METHOD : Macro-Co			LO(G OF BO	ORING SB-88 (Page 1 of 1)
epth in eet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC		DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core i.D.	COMMENTS
0 1 2 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		41"			fine Gravel, little unsorted. 1.0 to 2.0 Feet: medium to fine \$ 2.0 to 4.0 Feet:	Dark Brown SILT, some coarse to medium to fine Sand; moist; Brown SILT, some Clay, little Sand; moist; stiff. Brown SILT, little coarse to mediur trace fine Sand; less moist.	n	11-26-0	0.2	S-1	
5 6 7		30"			Sand; moist; un	Brown SILT, some Clay, trace fine isorted Organics; staining and odor		11-26-	902 07 1722	S-2	
7 - 8 - 9 -											

ppm=parts-per-million

Depths noted are approx.

Depth in feet) ABJ SS SS DIFF DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DATE MAX PID Core (ppm) LD. DATE MAX PID Core (ppm) DATE MAX PID Core (ppm) AD 10 to 0.5 Feet: Dark Brown SILT and medium to fine SAND; moist; Organics; unsorted. 0.5 to 1.0 Feet: Black coarse to fine GRAVEL and coarse to medium SAND, unsorted; moist. 1.0 to 4.0 Feet: Brown SILT, some Clay, little fine Sand; moist; silff; Organics. 11-26-07 S-1 4.0 to 5.0 Feet: Brown SILT, some coarse to fine sub-angular Gravel, little medium to fine Sand, trace Clay; stiff; moist; unsorted. 5.0 to 6.6 Feet: Light Gravel, little coarse to fine sub-brounded Gravel, little fine Sand and Clay; moist; stiff; unsorted; some petroleum odor. Bottom of Borehole at 6.6 Feet.*	$[S_E]$		ENVII	₹O.Y.\	TEGIC MENTAL LLC				PROJEC ON: Former	: Sackets Harbor CT NO.: 06-742 AFMC Petroleum Terr t, Sackets Harbor, NY
0.0 to 0.5 Feet: Dark Brown SILT and medium to fine SAND; moist; Organics; unsorted. 0.5 to 1.0 Feet: Black coarse to fine GRAVEL and coarse to medium SAND; unsorted; moist. 1.0 to 4.0 Feet: Brown SILT, some Clay, little fine Sand; moist; stiff; Organics. 42" 4.0 to 5.0 Feet: Brown SILT, some coarse to fine sub-angular Gravel, little medium to fine Sand, trace Clay; stiff; moist; unsorted. 5.0 to 6.6 Feet: Light Grey SILT, little coarse to fine sub-rounded Gravel, little fine Sand and Clay; moist; stiff; unsorted; some petroleum odor. 11-26-07 445 5-2 11-26-07 445 5-2	DATE COMP LOGGED BY DRILLING CO	LETI OMP	ED : 1 ⁻ : J. ANY : SI	1/26/0° Pentla E, LLC	7 RIG TYPE : and TOTAL DEPTH : 6.6 Fe APPOX. GW DEPTH :	eet		LC	G OF B	ORING SB-89 (Page 1 of 1)
0.0 to 0.5 Feet: Dark Brown SILT and medium to fine SAND; moist; Organics; unsorted. 0.5 to 1.0 Feet: Black coarse to fine GRAVEL and coarse to medium SAND; unsorted; moist. 1.0 to 4.0 Feet: Brown SILT, some Clay, little fine Sand; moist; stiff; Organics. 11-26-07 S-1 4.0 to 5.0 Feet: Brown SILT, some coarse to fine sub-angular Gravel, little medium to fine Sand, trace Clay; stiff; moist; unsorted. 5.0 to 6.6 Feet: Light Grey SILT, little coarse to fine sub-rounded Gravel, little fine Sand and Clay; moist; stiff; unsorted; some petroleum odor. 11-26-07 445 S-2 11-26-07 445 S-2		RECOVERY (inches)	nscs	GRAPHIC	DESCRIPTION	Depth of Change	DATE		1	COMMENTS
4.0 to 5.0 Feet: Brown SILT, some coarse to fine sub-angular Gravel, little medium to fine Sand, trace Clay; stiff; moist; unsorted. 5.0 to 6.6 Feet: Light Grey SILT, little coarse to fine sub-rounded Gravel, little fine Sand and Clay; moist; stiff; unsorted; some petroleum odor. *Bottom of Borehole at 6.6 Feet.*	2	42"			fine SAND; moist; Organics; unsorted. 0.5 to 1.0 Feet: Black coarse to fine GRAVEL ar coarse to medium SAND; unsorted; moist. 1.0 to 4.0 Feet: Brown SILT, some Clay, little fin.	nd	11-26-0	7	S-1	
Refusal 6.6 Feet.	5	32"			sub-angular Gravel, little medium to fine Sand, trace Clay; stiff; moist; unsorted. 5.0 to 6.6 Feet: Light Grey SILT, little coarse to f sub-rounded Gravel, little fine Sand and Clay; moist; stiff; unsorted; some petroleum odor.	•	11-26-0	7 445	S-2	

S_1					TEGIC IENTAL, LLC				LOCATION	PROJECT N: Former A	Sackets Harbor 「NO.: 06-742 NFMC Petroleum Terminal Sackets Harbor, NY
	AG C	PLETE Y OMPA	D :11		and	DRILLING METHOD : Geoprob RIG TYPE : TOTAL DEPTH : 6.6 Feet APPOX. GW DEPTH : SAMPLING METHOD : Macro-C			LO	G OF BO	ORING SB-90 (Page 1 of 1)
Depth in feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	I	DESCRIPTION .	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
1 1 2 3 4		26"			4.0 to 6.6 Feet: Gravel, little me	Brown SILT, little Clay, trace sub-rounded Gravel; moist; stiff. Brown SILT, some coarse to fine edium to fine Silt.		11-26-	1.1	S-1	
7- 8- 9-	!		low Gro	und S	reference of the control of the cont	non	parts-per-n	nillian			

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL LLC Ambrose Street, Sackets Harbor, NY DATE STARTED : 11/26/07 DRILLING METHOD : Geoprobe DATE COMPLETED : 11/26/07 RIG TYPE LOG OF BORING SB-91 LOGGED BY : J. Pentland TOTAL DEPTH : 6.5 Feet DRILLING COMPANY: SE, LLC APPOX. GW DEPTH: NAME OF DRILLER : S. Quimby SAMPLING METHOD: Macro-Core (Page 1 of 1) RECOVERY (inches) Depth of Change Count COMMENTS GRAPHIC Depth uscs DATE MAX PID Blow (DESCRIPTION Core (feet) I.D. (ppm) 0.0 to 1.0 Feet: Black medium to fine angular GRAVEL, some medium to fine Sand; moist; possibly Coal. 1.0 to 4.0 Feet: Brown SILT, some Clay, little ND medium to fine Sand, Organics; stiff; moist. 43" 11-26-07 S-1 ND 4.0 to 5.0 Feet: Similar Soil, layer of black staining near 4 feet. 5.0 to 6.5 Feet: Light Brown SILT, little angular and 5subrounded Gravel; unsorted; no odors. 35" *Bottom of Borehole at 6.5 Feet.* 11-26-07 2.1 S-2 **Refusal 6.5 Feet.** 6-8 9 10-

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only.

SE					TEGIC ENTAL LLC				LOCATIO	PROJECT N: Former A	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termin Sackets Harbor, NY
ATE STA ATE COI OGGED RILLING IAME OF	MPLE BY CON	ETEI MPA	D : 11 : J. NY : SE	Pentla E, LLC	nd	DRILLING METHOD : Geop RIG TYPE : TOTAL DEPTH : 6.7 F APPOX. GW DEPTH : SAMPLING METHOD : Macr	eet		LO	G OF B	ORING SB-92 (Page 1 of 1)
epth in eet) III	PECOVERY (inches)	NECOVERT (IIIOTIES)	nscs	GRAPHIC	[DESCRIPTION	Depth of Change	DAT	E MAX PID	Core I.D.	COMMENTS
2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3	3"			medium to fine 0	Black coarse to fine SAND and GRAVEL. Brown SILT, some Clay, little ravel; stiff; moist; unsorted.		11-26	0.1 -07 98.7	S-1	
4 5 1		31"			medium to fine	Light Grey SILT, some Clay, li Gravel; stiff; moist; petroleum o	ttle odor.	11-2	6-07 1417	S-2	
, 8 8 10	i										

ppm=parts-per-million
Denths noted are approx

	MPLET BY COMF DRILL	ED :1		7 and C	DRILLING METHOD : Geopi RIG TYPE : TOTAL DEPTH : 6.7 Fe APPOX. GW DEPTH : SAMPLING METHOD : Macro	et		LO	G OF B	ORING SB-93
th of the Blow Count	RECOVERY (inches)	nscs	GRAPHIC	D	ESCRIPTION	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
2 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21"			medium to fine GI 1.0 to 4.0 Feet: Bi	ack coarse to fine SAND and RAVEL; moist; unsorted. rown SILT, some Clay, little and, Rock Fragments at 3.5		11-26-07	0.7	S-1	
4 5 5 6 7 7 7	36"			4.0 to 5.0 Feet: Si 5.0 to 6.7 Feet: Li coarse to fine sub Fragments; moist; *Bottom of Boreho **Refusal 6.7 Fee	ght Grey SILT, some Clay, little -rounded Gravel, Rock stiff.		11-26-07	5.3	S-2	

OMPA RILLE	D : 11 ; J. NY : SE	/26/07 /26/07 /26/07 Pentla						Sackets Harbor, NY
hes)			nd TOTAL DEPTH : 6.4 Fe APPOX. GW DEPTH :	et		LO	G OF BC	ORING SB-94 (Page 1 of 1)
RECOVERY (inches)	nscs	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
23"			0.0 to 4.0 Feet: Light Brown Reddish medium to fine SAND; moist; loose.		11-26-	ND	S-1	
24"					11-26	07 ND	S-2	
	24"	24"	23"	4.0 to 5.0 Feet: Similar Soil. 5.0 to 6.4 Feet: Light Brown SILT and CLAY, lift medium to fine Gravel, trace coarse to fine Sar stiff; moist; no odors. *Bottom of Borehole at 6.4 Feet.* **Refusal 6.4 Feet.**	4.0 to 5.0 Feet: Similar Soil. 5.0 to 6.4 Feet: Light Brown SILT and CLAY, little medium to fine Gravel, trace coarse to fine Sand; stiff; moist; no odors. *Bottom of Borehole at 6.4 Feet.* **Refusal 6.4 Feet.**	4.0 to 5.0 Feet: Similar Soil. 5.0 to 6.4 Feet: Light Brown SILT and CLAY, little medium to fine Gravel, trace coarse to fine Sand; stiff; moist; no odors. *Bottom of Borehole at 6.4 Feet.* *Refusal 6.4 Feet.**	0.0 to 4.0 Feet: Light Brown Reddish medium to fine SAND; moist; loose. 11-26-07 ND 4.0 to 5.0 Feet: Similar Soil. 5.0 to 6.4 Feet: Light Brown SILT and CLAY, little medium to fine Gravel, trace coarse to fine Sand; stiff; moist; no odors. *Bottom of Borehole at 6.4 Feet.* **Refusal 6.4 Feet.**	23" O.0 to 4.0 Feet: Light Brown Reddish medium to fine SAND; moist; loose. ND 11-26-07 S-1

DATE START DATE COMPI LOGGED BY DRILLING CO NAME OF DR TUNO O O O O O O O O O O O O O O O O O O	VERY (inches) OMbana : Supering the super	J. Pentl SE, LL0	7 RIG TYPE : APPOX. GW DEPTH : 7.5 Feet			LC	G OF B	ORING SB-95
Depth in (feet)	VERY (inches)	J. Quiii	SAMPLING METHOD: Macro-Co		1			
0 = 1	RECO	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID	Core I.D.	(Page 1 of 1) SLN WWW OO
1 1 2 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	33"		0.0 to 4.0 Feet: Reddish Brown medium to fine SAND; loost; moist; Organics at 4 feet.		11-27-07	0.1	S-1	
5	32"		4.0 to 5.0 Feet: Similar Soil. 5.0 to 7.5 Feet: Grey SiLT and CLAY, little coarse to fine Gravel; heavy odors; stiff; moist. *Bottom of Borehole at 7.5 Feet.* **Refusal 7.5 Feet.**		11-27-07	91.4 534	S-2	

SE				'EGIC ENTAL LLC				L	OCATION	PROJECT I: Former A	Sackets Harbor NO.: 06-742 FMC Petroleum Termina Sackets Harbor, NY
TE STAR TE COM GGED B' RILLING C AME OF D	PLETE Y OMPA	D : 11 : J. NY : SE		nd	DRILLING METHOD RIG TYPE TOTAL DEPTH APPOX. GW DEPTH SAMPLING METHO	: : 7.8 Feet 	e		LO	G OF BO	ORING SB-96 (Page 1 of 1)
the count	RECOVERY (inches)	nscs	GRAPHIC	[DESCRIPTION		Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
1				0.0 to 4.0 Feet: I SAND; moist; lo	Reddish Brown mediur ose.	n to fine			ND		
2	30"							11-27-0	07	S-1	
3	1								ND		
4 5 7				4.0 to 5.0 Feet: 5.0 to 7.8 Feet: medium to fine Gravel; heavy	Similar Soil. Light Grey SILT, som Sand, trace sub-round petroleum odor.	e Clay, trace ded medium			432		
9 	45"			*Bottom of Bor **Refusal 7.8 F	ehole at 7.8 Feet.* reet.**			11-27	-07	S-2	
7-11-11-11-11-11-11-11-11-11-11-11-11-11									1006		
8 4											
10-							ards-per-r				

S	E			RON:	NTEGIC MENTAL, LLC			LOCATIO Am	PROJEC DN: Former	: Sackets Harbor ET NO.: 06-742 AFMC Petroleum Ter t, Sackets Harbor, NY
LOGG DRILL	CON ED I ING	MPLET BY COMP	ED :1	. Pentl E, LL(7 RIG TYPE : and TOTAL DEPTH : 7.8 F	eet		LC	G OF B	ORING SB-97 (Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
1 2 3		24"			0.0 to 4.0 Feet: Reddish Brown medium to fine SAND; moist; loose.		11-27-0	ND 7 0.6	S-1	
4 5 6 7		36"			4.0 to 5.0 Feet: Similar Soil. 5.0 to 7.8 Feet: Grey SILT, some Clay, trace medium to fine Sand; stiff; moist; odor. *Bottom of Borehole at 7.8 Feet.* **Refusal 7.8 Feet.**		11-27-07	4.6	S-2	
9 10 10										

$\overline{S_{I}}$					EGIC ENTAL LLC			[OCATION	PROJECT I: Former AF	nackets Harbor NO.: 06-742 -MC Petroleum Terminal Sackets Harbor, NY
_OGGE DRILLIN	OMF D BY VG C	PLETE! (OMPA) : 1 1	Pentla E, LLC	nd	DRILLING METHOD : Geopro RIG TYPE : TOTAL DEPTH : 7.9 Fee APPOX. GW DEPTH : SAMPLING METHOD : Macro-	et		LOC	G OF BC	Page 1 of 1)
epth in feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC		DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
		46"			4.0 to 5.0 Fee 5.0 to 7.9 Fee medium to fine petroleum odd	t: Brown SILT, some Clay, trace e Sand, Organics; no noticeable or.		11-27-0	0.5	S-1	
			elow Gro				nn=parts-per	million			

$S_{\underline{}}$			ENVI	RON!	NTEGIC MENTAL, LLC					PROJEC N: Former	: Sackets Harbor CT NO.: 06-742 AFMC Petroleum Term t, Sackets Harbor, NY
LOGGI DRILLI	COM ED E	IPLET BY COMF	ED:1: J. PANY:S	. Pentl E, LLC	7 and C	DRILLING METHOD : Geopri RIG TYPE : TOTAL DEPTH : 6.8 Fer APPOX. GW DEPTH :	et		LO	G OF B	ORING SB-99
VAME	OF I	T	ER :S	. Quim	nby	SAMPLING METHOD: Macro-	Core				(Page 1 of 1)
Depth in feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	D	ESCRIPTION	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
1					0.0 to 4.0 Feet: R SAND; moist; loos at about 3.5 feet.	eddish Brown medium to fine se; Organics near upper end an	d		ND	17a - 17	
2-111111		27"						11-27-07	7	S-1	
3 4 1									0.2		
4 5 6 6		34"			medium to fine Sa	rown SILT, some Clay, little and; trace medium vel; moist; stiff; no noticeable		11-27-07	ND	S-2	
7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1				J				<u> </u>			
10-											

SE		S ENVIR	TRAT ONMI	EGIC ENTAL LLC				L	CATION	PROJECT	Sackets Harbor NO.: 06-742 FMC Petroleum Termina Sackets Harbor, NY
ATE STAR ATE COM DGGED B' RILLING C AME OF D	PLETE Y OMPA	D : 11. : J. .NY : SE	Pentlai E, LLC	nd	DRILLING METHOD RIG TYPE TOTAL DEPTH APPOX. GW DEPTH SAMPLING METHOD	: : 8.1 Feet :	e		LOG	OF BC	Page 1 of 1)
et) Blow Count	RECOVERY (inches)	uscs	GRAPHIC		DESCRIPTION		Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 2 3 4 5 6 7 7 11 11 11 11 11 11 11 11 11 11 11 11	31"			4.0 to 6.0 Fee	Reddish Brown medium pose; unsorted; Organics tt: Similar Soil. tt: SILT, some Clay, little ravy odors; staining.	near top.		11-27-0	0.1 ND	S-1	
8 8					et: Similar Soil. Borehole at 8.1 Feet.* 1 Feet.**			11-27	-07		

	T NO.: 0 AFMC Pe						EGIC NTAL LLC	STRAT RONME			E	S
SB-101		OF BO	LO		·e	: : 7.7 Feet H :	APPOX. GW DEPTH	Penllan E, LLC	ED :1	PLET: Y COMP	COM ED B NG (LOGG DRILL
COMMENTS		Core I.D.	MAX PID (ppm)	DATE	Depth of Change		DESCRIPTION	GRAPHIC	nscs	RECOVERY (inches)	Blow Count	Depth in (feet)
		S-1	0.2	11-27-07		n to fine 1 3 to 4 feet.	0.0 to 4.0 Feet: Reddish Brown medium SAND; moist; loose; Organics between			26"		2-33-3-33-3-33-3-3-3-3-3-3-3-3-3-3-3-3-
		S-2	23.4	11-27-07		y, little y odors and	0.0 to 5.5 Feet: Similar Soil. 5.5 to 7.7 Feet: Brown SILT, some Clay nedium to fine Sand; stiff; moist; heavy taining near bottom. Bottom of Borehole at 7.7 Feet.* *Refusal 7.7 Feet.**	£ 7 5		46"		4 5 6 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		S-2		11-27-07			Bottom of Borehole at 7.7 Feet.*			46"		6

S _E		:	IRONA 11/27/07		DRILLING METHOD	: Geoprobe			OCATION Ambr	PROJECT N: Former Al lose Street, S	Sackets Harbor NO.: 06-742 FMC Petroleum Termina Sackets Harbor, NY
DATE COI LOGGED DRILLING NAME OF	BY COMP	: :: YAA	J. Pentla SE, LLC	and :	• =	: 7.8 Feet :	ì		LOG	OF BO	(Page 1 of 1)
Depth in (feet)	r (inches)	nscs	GRAPHIC		ESCRIPTION		Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
2 3 4	31"			SAND; moist; loos	eddish Brown medium t e; Organics near top.	o fine		11-27-0	0.6 ND	S-1	
2 6 2 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	46			4.0 to 4.5 Feet: S 4.5 to 7.8 Feet: G medium to fine S noticeable petrole *Bottom of Boreh **Refusal 7.8 Fee	rey SILT, some Clay, li and; moist; stiff; staining aum odor. ole at 7.8 Feet.*	ittle g; no		11-27-	0.9 07 ND	S-2	
8 8 1											
10- Note: E	los - I	Salow C	round S	urface		ppm=pa	rls-per-r	nillion		<u> </u>	

	COM ED E	IPLET SY COMP	ED :1		APPOX. GW DEPTH :				LOG OF BORING SB-103			
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS		
1 2 3 3		26"			0.0 to 4.0 Feet: Light Brown, Reddish medium to fine SAND; moist; loose; Organics throughout.		11-27-0	0.3	S-1			
3 4 4 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		36"			4.0 to 4.5 Feet: Similar Soil. 4.5 to 7.0 Feet: Brown SILT, some Clay, little medium to fine Sand, trace coarse to fine sub-rounded Gravel; moist; stiff, slightly plastic; no odor or staining. *Bottom of Borehole at 7.0 Feet.* **Refusal 7.0 Feet.**		11-27-07	ND	S-2			

$\overline{S_{\mathrm{I}}}$					EGIC ENTAL, LLC			L	OCATION	PROJECT I: Former Af	Sackets Harbor NO.: 06-742 FMC Petroleum Terminal Sackets Harbor, NY
.OGGEI DRILLIN	OMF D BY IG C	PLETE , OMPA	D :11	Pentla: E, LLC	nd	DRILLING METHOD : Geoprobe RIG TYPE : TOTAL DEPTH : 7.4 Feet APPOX. GW DEPTH : SAMPLING METHOD : Macro-Co.	re		LOG	OF BO	RING SB-104 (Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC		DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
3-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		30"			4.0 to 5.0 Feet to fine Sand, to odor; staining.	t: Similar Soil. t: Grey SILT, some Clay, little mediu race medium Gravel; moist; stiff; rehole at 7.4 Feet.*	m.	11-27-0	0.7	S-1	
9			elow Gro				oarls-per-	nsilica			

S	E				ATEGIC MENTAL LLC					LOCATIO Ami	PROJEC N: Former	: Sackets Harbor T NO.: 06-742 AFMC Petroleum Terr , Sackets Harbor, NY
LOGG DRILL	CON ED E ING	IPLETI SY COMP	ED :1	Pentl E, LLC	7 and C	DRILLING METHOD RIG TYPE TOTAL DEPTH APPOX. GW DEPTH SAMPLING METHOL	: : 6.6 Feet :	e		LO	G OF BO	ORING SB-105 (Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	Γ	DESCRIPTION		Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
0 1 1 2 3		32"			0.0 to 4.0 Feet: F SAND; moist; loo	Reddish Brown medium se.	to fine		11-27-07	0.2	S-1	
4 5 6		32"			4.0 to 5.0 Feet: S 5.0 to 6.6 Feet: D medium to fine S *Bottom of Boreh **Refusal 6.6 Fee	Dark Grey SILT, some C and; mild petroleum od	CLay, little or.		11-27-07	3.7	S-2	
8												

Description Section Section	SE		ŀ	S	STRAT ONM	TGIC ENTAL, LLC				LOCATIO	PROJECT N: Former A	Sackets Harbor 「NO.: 06-742 NFMC Petroleum Termina Sackets Harbor, NY
0.0 to 4.0 Feet: Reddish Brown medium to fine SAND; moist; loose; Organics throughout. 11-27-07 S-1 4.0 to 6.0 Feet: Similar Soil. 6.0 to 7.0 Feet: Grey SILT, some Clay, little medium to fine Sand, trace Gravel; moist; stiff; stained; little odor. *Bottom of Borehole at 7.0 Feet.* **Refusal 7.0 Feet.** 0.2 11-27-07 S-2 0.5	ATE COM OGGED B RILLING (MPLETED: 11/27/07 BY: J. Pentland COMPANY: SE, LLC			/27/07 Pentla E, LLC	nd	RIG TYPE : TOTAL DEPTH : 7.0 Feet APPOX, GW DEPTH :			LOC	OF BC	ORING SB-106 (Page 1 of 1)
11-27-07 S-1 4-1	eet) Blow Count	RECOVERY (inches)		nscs	GRAPHIC		DESCRIPTION	Depth of Change	DATE			COMMENTS
7	$\begin{array}{cccccccccccccccccccccccccccccccccccc$					4.0 to 6.0 Fee to fine Sand, little odor.	et: Similar Soil. et: Grey SILT, some Clay, little me trace Gravel; moist; stiff; stained;	edium		0.8		
9-7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	7									0.5		

DATE LOGG DRILL	ED BY ING COM OF DRIL	D :1 TED :1 :J PANY:S LER :S		07 RIG TYPE : 11and TOTAL DEPTH : 7.0 F	eet		An	PROJE ION: Formel nbrose Stree	T: Sackets Harbor CT NO.: 06-742 r AFMC Petroleum Te et, Sackets Harbor, N' ORING SB-10 (Page 1 of 1
Depth in (feet)	Blow Count RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
1 2 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	27"			0.0 to 4.0 Feet: Reddish Brown medium to fine SAND; moist; loose; Organics through top 2 feet		11-27-07	0.4	S-1	
4 5 5 6 7	37"			4.0 to 5.0 Feet: Similar Soil. 5.0 to 7.0 Feet: Dark Grey SILT, some Clay, little medium to fine Sand; moist; stiff; mild petroleum odor and staining at bottom. *Bottom of Borehole at 7.0 Feet.* **Refusal 7.0 Feet.**		11-27-07	3.6	S-2	
8									

DATE ST DATE CO LOGGED DRILLIN	OMPL D BY	ETED	: 11/ : 11/ : J. I	27/07 27/07 Pentlan	NTAL ILC	APPOX. GW DEPTH :	7.9 Feet		L	CATION: Ambro	PROJECT Former AF se Street, S	ackets Harbor NO.: 06-742 MC Petroleum Terminal Sackets Harbor, NY RING SB-108 (Page 1 of 1)
Depth in (feet)	F DR	RECOVERY (inches)	nscs :S:	GRAPHIC		SAMPLING METHOD:		Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
		24"			4.0 to 4.5 Fee 4.5 to 7.9 Fee medium to fin	t: Similar Soil. t: Dark Grey SILT, some (e Sand; moist; dense; little rehole at 7.9 Feet.*	Clay, little e odor.		11-27-C		S-1	

RING SB-10 (Page 1 of 1 SLNJWWOO)	Core I.D.	LO(MAX PID (ppm)	DATE		: : 7.3 Feet I :	DRILLING METHOD RIG TYPE TOTAL DEPTH APPOX. GW DEPTI SAMPLING METHO	7 and C	Pentla E, LLC	ED :1	BY COMP DRILLI	CON ED E ING	DATE LOGO
			DATE			19-31						
				Depth of		DESCRIPTION		GRAPHIC	nscs	RECOVERY (inches)	Blow Count	Depth in (feet)
	S-1	1.1 7	11-27-0	11-		Reddish Brown mediun Brown SILT, some Clay Sand.	SAND; moist.			33"		2-
	S-2	34.3	11-27-07	11-	Clay, some	Similar Soil. Light Grey SILT, some Gravel; moist; stiff. hole at 7.3 Feet.* et.**	mealum to fine (46"		5
	S-2	7	11-27-07	11-		hole at 7.3 Feet.*	**Refusal 7.3 Fe			46"		6

ATE STARTED	SE			STRAT ONME	EGIC ENTAL, LLC				OCATION	PROJECT	Sackets Harbor NO.: 06-742 FMC Petroleum Terminal Sackets Harbor, NY
0.0 to 3.5 Feet: Light Brown Reddish medium to fine SAND; moist, loose. 3.5 to 4.0 Feet: Brown SILT, some Clay, little medium to fine Sand; moist, stiff. 4.0 to 6.0 Feet: Similar Soil. 6.0 to 7.2 Feet: Light Grey SILT, some medium to fine sub-rounded Gravel, little Clay, little medium to fine Sand. *Bottom of Borehole at 7.2 Feet.* **Refusal 7.2 Feet.* 11-27-07 \$-2	ATE COMI DGGED B' RILLING C	PLETE Y COMPA	D : 11 : J. .NY : SE	/27/07 Pentlar E, LLC	nd	RIG TYPE : TOTAL DEPTH : 7.2 Feet APPOX. GW DEPTH :	9		LOG	OF BO	
35" 35" 35" 35" 35" 35" 35" 35" 35" 35"	eet) Blow Count	RECOVERY (inches)	nscs	GRAPHIC		DESCRIPTION	Depth of Change	DATE			COMMENTS
					fine SAND; mo 3.5 to 4.0 Feet: medium to fine 4.0 to 6.0 Feet fine sub-round fine Sand. *Bottom of Bottom of Bottom *Bottom of Bottom *Bottom of Bottom *Bottom of Bottom *B	ist; loose. Brown SILT, some Clay, little Sand; moist; stiff. t: Similar Soil. t: Light Grey SILT, some medium to ded Gravel, little Clay, little medium to brehole at 7.2 Feet.*			07 ND 8.8		

DATE COMPLETED	: J. Pentland : SE, LLC : S. Quimby	APPOX. GW DEPTH :			LOG	G OF BC	ORING SB-111 (Page 1 of 1)
Blow Count RECOVERY (inches)	GRAPHIC						
			Depth of	DATE	MAX PID	Core I.D.	COMMENTS
2 16" 3		D.0 to 3.0 Feet: Reddish Brown medium to fine SAND; moist; unsorted; loose. 3.0 to 4.0 Feet: Brown SILT, some Clay, little medium to fine Sand.		11-27-(07 ND	S-1	
4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		4.0 to 6.6 Feet: Light Grey SILT and coarse to fine sub-rounded GRAVEL, little medium to fine Sand. *Bottom of Borehole at 6.6 Feet.* **Refusal 6.6 Feet.**		11-27-	07 17.5	S-2	

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL LLC : 11/28/07 DRILLING METHOD : Geoprobe DATE STARTED DATE COMPLETED : 11/28/07 **RIG TYPE** LOG OF BORING SB-112 LOGGED BY : J. Pentland TOTAL DEPTH : 7.1 Feet DRILLING COMPANY: SE, LLC APPOX. GW DEPTH : (Page 1 of 1) SAMPLING METHOD: Macro-Core NAME OF DRILLER : S. Quimby RECOVERY (inches) Depth of Change COMMENTS Count GRAPHIC Depth DATE MAX PID Core DESCRIPTION in Blow (feet) (ppm) 0-0.0 to 3.0 Feet: Brown Red medium to fine SAND; moist; loose; Organics throughout. 3.0 to 4.0 Feet: Brown SILT, little Clay, little medium to fine Sand; moist; stiff. 0.3 11-28-07 S-1 31" 0.4 4.0 to 6.0 Feet: Similar Soil. 6.0 to 7.1 Feet: Light Grey SILT, little Clay, little coarse to fine sub-rounded Gravel, trace medium to fine Sand, petroleum odor at bottom. 12.3 *Bottom of Borehole at 7.1 Feet.* 11-28-07 S-2 **Refusal 7.1 Feet.** 24" 76.5 9ppm=parts-per-million

Note: Bgs. = Below Ground Surface. based on visual and manual field observations only Denths noted are approx

SE				STEGIC MENTAL LLC			LOCATIO Ami	PROJEC ON: Former	: Sackets Harbor CT NO.: 06-742 AFMC Petroleum Term t, Sackets Harbor, NY
DATE STA DATE COI LOGGED DRILLING NAME OF	MPLET BY COMP	ED : 1. : J. PANY : SI		7 RIG TYPE : and TOTAL DEPTH : 7.6 Feet APPOX. GW DEPTH :			LO	G OF B	ORING SB-113 (Page 1 of 1)
Depth in (feet)	r (inches)	SOSO	GRAPHIC	SAMPLING METHOD: Macro-Co	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
0	35"			0.0 to 4.0 Feet: Brown and Reddish Brown medium to fine SAND; moist; loose Organics.		11-28-07	ND 0.9	S-1	
4 5 6 7 7 1	41"			4.0 to 4.5 Feet: Similar Soil. 4.5 to 6.5 Feet: Brown SILT, little Clay, little medium to fine Sand; moist; stiff. 6.5 to 7.6 Feet: Light Grey SILT, little Clay, little coarse to fine Gravel, trace medium to fine Sand; wet; heavy odor. *Bottom of Borehole at 7.6 Feet.* **Refusal 7.6 Feet.**		11-28-07	1.2	S-2	

$\overline{S_{\mathrm{I}}}$					TEGIC ENTAL LLC					OCATION	PROJECT I: Former Af	ackets Harbor NO.: 06-742 FMC Petroleum Termina Sackets Harbor, NY
OGGE RILLIN	OMF D BY	PLETE / OMPA	D :11	Pentla E, LLC	nd	DRILLING METHOD : (RIG TYPE : TOTAL DEPTH : APPOX. GW DEPTH : SAMPLING METHOD : (7.6 Feet	100		LOG	OF BO	(Page 1 of 1)
epth in eet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	!	DESCRIPTION		Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		32"			0.0 to 4.0 Feet: SAND; moist; lo	Reddish Brown medium to ose; Organics throughout.	iine		11-28-0	0.1	S-1	
4	سيلين	46"			medium to fine 6.5 to 7.6 Feet coarse to fine moist; soft.	Brown SILT, little Clay, tra Sand, Organics; moist; sti : Light Grey SILT, some Cl Gravel and coase to fine Some	tt. av. little		11-28-	30.8	S-2	
9	سيبليينالييين										l	

DATE STARTED : 11/2807 DRILLING METHOD : Geoprobe RIG TYPE 1.0 Feet 1.0 F	SE	ENVII	RO.N.	TEGIC JENTAL, LLC				LOCATIO Amb	PROJEC N: Former	Sackets Harbor T NO.: 06-742 AFMC Petroleum Term , Sackets Harbor, NY
Depth in (feet) and an analysis of the state	DATE COMPLE LOGGED BY DRILLING COM	TED : 1. : J. !PANY : SI	1/28/01 Pentla E, LLC	7 and ;	RIG TYPE : TOTAL DEPTH : 6.11 APPOX. GW DEPTH :	Feet		LO	G OF BO	
24" 24" 24" 24" 4.0 to 6.1 Feet: Similar Soil with increasing amounts of Rock Fragments. **Bottom of Borehole at 6.1 Feet.** **Refusal 6.1 Feet.** 11-28-07 11.8 S-2	Blow Count RECOVERY (inches)						DATE	1		
4.0 to 6.1 Feet: Similar Soil with increasing amounts of Rock Fragments. *Bottom of Borehole at 6.1 Feet.* **Refusal 6.1 Feet.** 11-28-07 11.8 S-2	2-1 24			1.0 to 4.0 Feet: Bro	it; unsorted. wn SILT and coarse to fine	ne	11-28-07		S-1	
	5 13"			*Bottom of Borehole	agments.		11-28-07	11.8	S-2	

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL, LLC DRILLING METHOD : Geoprobe DATE STARTED : 11/28/07 LOG OF BORING SB-116 **RIG TYPE** DATE COMPLETED : 11/28/07 TOTAL DEPTH : 5.3 Feet : J. Pentland LOGGED BY APPOX. GW DEPTH: DRILLING COMPANY: SE, LLC (Page 1 of 1) SAMPLING METHOD: Macro-Core NAME OF DRILLER : S. Quimby RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC DATE MAX PID Depth Core uscs **DESCRIPTION** in I.D. (feet) (ppm) 0. 0.0 to 2.0 Feet: Brown SILT, little medium to fine Sand, little Clay; moist. 2.0 to 4.0 Feet: Grey SILT and coarse to fine angular and rounded Grey GRAVEL, little Clay, 0.5 little medium to fine Sand; stiff; moist. S-1 11-28-07 46" 28.6 4.0 to 5.3 Feet: Similar Soil. *Bottom of Borehole at 5.3 Feet.* S-2 11-28-07 304 22" **Refusal 5.3 Feet.** 6 8 9 10ppm=parts-per-million

Note: Bgs. = Below Ground Surface. Soil classifications are based on visual and manual field observations only. Depths noted are approx.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL, LLC Ambrose Street, Sackets Harbor, NY DATE STARTED : 11/28/07 DRILLING METHOD : Geoprobe DATE COMPLETED : 11/28/07 **RIG TYPE** LOG OF BORING SB-117 LOGGED BY : J. Pentland TOTAL DEPTH : 6.0 Feet DRILLING COMPANY: SE, LLC APPOX. GW DEPTH : NAME OF DRILLER : S. Quimby SAMPLING METHOD: Macro-Core (Page 1 of 1) RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC Depth in uscs DATE MAX PID Core **DESCRIPTION** (feet) I.D. (ppm) 0 0.0 to 3.5 Feet: Brown SILT, some Clay, little medium to fine Sand; moist; stiff. 3.5 to 4.0 Feet: Light Grey SILT and coarse to fine GRAVEL and ROCK FRAGMENTS, little medium to 0.9 fine Sand; moist; dense. 43" 11-28-07 S-1 3 4 5 20.1 4.0 to 6.0 Feet: Similar Soil. *Bottom of Borehole at 6.0 Feet.* **Refusal 6.0 Feet.** 24" 11-28-07 246 S-2 9-10-Note: Bgs. = Below Ground Surface.

ppm=parts-per-million

SE		ENVIR	STRATI ONMI	EGIC ENTAL, ELC			LC	CATION	PROJECT	Sackets Harbor NO.: 06-742 FMC Petroleum Termina Sackets Harbor, NY
ATE STAR ATE COMI OGGED B' PRILLING C	PLETE Y OMP/	D:11: J. ANY:SI	Pentlad E, LLC	APPOX. GW DEF	: : 6.3 Feet	·e		LOG	OF BO	PRING SB-118 (Page 1 of 1)
epth in eet) Blow Count	RECOVERY (inches)	nscs	GRAPHIC	DESCRIPTION		Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 2 3 4 5 5 4 5 1	43"			0.0 to 4.0 Feet: Brown SILT, some 0 medium to fine Sand; moist; stiff; Or plastic. 4.0 to 6.3 Feet: Brown SILT, some sub-rounded Gravel, Rock Fragme to fine Sand; moist; dense. *Bottom of Borehole at 6.3 Feet.* **Refusal 6.3 Feet.**	coarse to fine		11-28-0	0.7	S-1	
6 7 8 9 9 11 11 11 11 11 11 11 11 11 11 11 11										
10-		Palau C	round C	urface	ppm=t	parts-per-	million re approx			

E	RTED		RON:	ATEGIC MENTAL, LLC					LOCATIO Am	PROJEC ON: Former	: Sackets Harbor T NO.: 06-742 AFMC Petroleum Te :, Sackets Harbor, N
E CON GED I LING	MPLET BY COMF	ED :1		7 land C	DRILLING METHOD RIG TYPE TOTAL DEPTH APPOX. GW DEPTH SAMPLING METHOD	: : 6.6 Feet :	re		LO	G OF BO	ORING SB-11 (Page 1 of 1
Blow Count	RECOVERY (inches)	nscs	GRAPHIC	Е)ESCRIPTION		Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
	30"			0.0 to 4.0 Feet: B sub-rounded med fine Sand; moist;	rown SILT and CLAY, lit lium to fine Gravel, little stiff.	ttle coarse to		11-28-07	ND 0.2	S-1	
,	12"			4.0 to 6.6 Feet: Si petroleum odor. *Bottom of Borehot**Refusal 6.6 Fee	imilar Soil; no noticeable ble at 6.6 Feet.* t.**			11-28-07	ND	S-2	

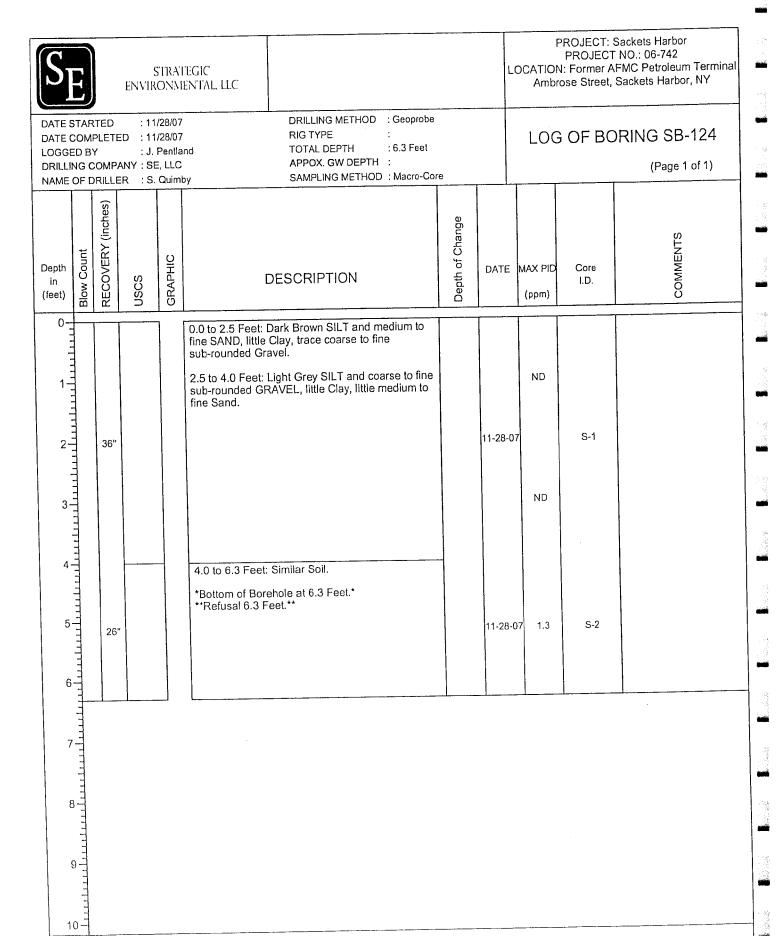
E			STRAT	TEGIC ENTAL LLC			L	OCATION	PROJECT N: Former A	Sackets Harbor NO.: 06-742 FMC Petroleum Termina Sackets Harbor, NY
GGED I	MPLET BY COMF	ED :1	. Pentla E, LLC	nd	DRILLING METHOD : Geopro RIG TYPE : TOTAL DEPTH : 5.9 Fee APPOX. GW DEPTH : SAMPLING METHOD : Macro-	et		LOG	OF BC	Page 1 of 1)
oth (Slow Count	RECOVERY (inches)	nscs	GRAPHIC	١	DESCRIPTION	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
0 1 2 3	36"			0.0 to 4.0 Feet: medium to fine s	Brown SILT, some Clay, little Sand; moist; stiff; Organics at top).	11-28-0	0.1 7	S-1	
1 5 6 mm 1	26	u		Gravel.	Similar Soil with little sub-round ehole at 5.9 Feet.* eet.**	ed	11-28-0	07	S-2	
7 8 9 10										

Note: Bgs. = Below Ground Surface.

7	E				TEGIC TENTAL ELC			1		PROJEC N: Former	: Sackets Harbor T NO.: 06-742 AFMC Petroleum Termir , Sackets Harbor, NY
LOGGE DRILLIN	COM ED B VG (PLET Y COMP	ED :1	Pentla E, LLC	7 and C	DRILLING METHOD : Geop RIG TYPE : TOTAL DEPTH : 6.1 F APPOX. GW DEPTH :	eet		LO	G OF BO	ORING SB-121 (Page 1 of 1)
	Blow Count	RECOVERY (inches)	SOSO	GRAPHIC		SAMPLING METHOD: Macr	Depth of Change	DATE	MAX PID	Core 1.D.	COMMENTS
0 1 1 2 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		43"			0.0 to 4.0 Feet: Brow medium to fine Sand Organics at top.	vn SILT, some Clay, little l; stiff; moist; slightly plastic		11-28-07	0.3 ND	S-1	
5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		34"			4.0 to 6.1 Feet: Brow to fine Sand; moist. *Bottom of Borehole **Refusal 6.1 Feet.**	vn SILT, little Clay, little med	dium	11-28-07	0.1	S-2	

				Ambr	ose Street, 3	Sackets Harbor, NY
SE, LLC	RIG TYPE : and TOTAL DEPTH : 6.0 Feet APPOX. GW DEPTH :			LOG	OF BO	(Page 1 of 1)
GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
	0.0 to 1.0 Feet: Dark Brown SILT and medium to fine SAND; moist; unsorted; Organics. 1.0 to 4.0 Feet: Brown SILT, some Clay, little coarse to fine Gravel, some medium to fine Sand. 4.0 to 6.0 Feet: Similar Soil; no noticeable petroleum odor. *Bottom of Borehole at 6.0 Feet.* **Refusal 6.0 Feet.**			ND	S-1	
	J. Pentla SE, LLC S. Quim	J. Pentland SE, LLC S. Quimby DESCRIPTION O.0 to 1.0 Feet: Dark Brown SILT and medium to fine SAND; moist; unsorted; Organics. 1.0 to 4.0 Feet: Brown SILT, some Clay, little coarse to fine Gravel, some medium to fine Sand. 4.0 to 6.0 Feet: Similar Soil; no noticeable petroleum odor. *Bottom of Borehole at 6.0 Feet.*	J. Pentland SE, LLC S. Quimby DESCRIPTION O.0 to 1.0 Feet: Dark Brown SILT and medium to fine SAND; moist; unsorted; Organics. 1.0 to 4.0 Feet: Brown SILT, some Clay, little coarse to fine Gravel, some medium to fine Sand. 4.0 to 6.0 Feet: Similar Soil; no noticeable petroleum odor. *Bottom of Borehole at 6.0 Feet.*	J. Pentland SE, LLC S. Quimby DESCRIPTION O.0 to 1.0 Feet: Dark Brown SILT and medium to fine SAND; moist; unsorted; Organics. 1.0 to 4.0 Feet: Brown SILT, some Clay, little coarse to fine Gravel, some medium to fine Sand. 4.0 to 6.0 Feet: Similar Soil; no noticeable petroleum odor. *Bottom of Borehole at 6.0 Feet.*	SE, LLC APPOX. GW DEPTH: S. Quimby SAMPLING METHOD: Macro-Core DESCRIPTION DESCRIPTION DATE MAX PID (ppm) O.0 to 1.0 Feet: Dark Brown SILT and medium to fine SAND; moist; unsorted; Organics. 1.0 to 4.0 Feet: Brown SILT, some Clay, little coarse to fine Gravel, some medium to fine Sand.	J. Pentland SE, LLC APPOX. GW DEPTH S. Quimby DESCRIPTION DATE MAX PID Core I.D. (ppm) O.0 to 1.0 Feet: Dark Brown SILT and medium to fine SAND; moist; unsorted; Organics. 1.0 to 4.0 Feet: Brown SILT, some Clay, little coarse to fine Gravel, some medium to fine Sand. 11.28-07 S-1 4.0 to 6.0 Feet: Similar Soil; no noticeable petroleum odor. *Bottom of Borehole at 6.0 Feet.*

DATE S DATE C LOGGE DRILLIN NAME C	OM ED B VG (PLETE Y COMP/	: 1' ED : 1' : J. ANY : SI	1/28/01 1/28/01 1/28/01 Pentla	7 RIG TYPE : and TOTAL DEPTH : 6.4 Fe APPOX. GW DEPTH :	et		Ami	PROJEC DN: Former A brose Street	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termi , Sackets Harbor, NY
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
0 1 1 2 3 3		32"			0.0 to 0.5 Feet: Dark Brown SILT, little medium of fine Sand, Organics; moist. 0.5 to 3.5 Feet: Brown SILT, some Clay, Organics; moist; stiff; water table was encountered at approx. 1.5 feet below grade. 3.5 to 4.0 Feet: Light Grey SILT and coarse to fine sub-rounded GRAVEL, little Clay, trace medium to fine Sand; moist.	0	11-28-0	ND 7	S-1	
4 5 6 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		36"		Dia series and district and dis	4.0 to 6.4 Feet: Similar Soil. *Bottom of Borehole at 6.4 Feet.* **Refusal 6.4 Feet.**		11-28-0	7 ND	S-2	
7				J						



Note: Bgs. = Below Ground Surface.

	CON ED E ING	MPLET BY COMP	:1 ED :1	1/28/0 1/28/0 . Penll E, LL0	7 RIG TYPE : TOTAL DEPTH : 6.2 Feet APPOX. GW DEPTH :			Aml	orose Stree	AFMC Petroleum Te t, Sackets Harbor, NY ORING SB-12 (Page 1 of 1
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
3 3 1111111111111111111111111111111111		16"			O.0 to 1.0 Feet: Dark Brown SILT, some medium to fine Sand; moist; unsorted; Organics. 1.0 to 4.0 Feet: Grey SILT, coarse to fine sub-rounded Gravel, little Clay, little medium to fine Sand.		11-28-07	ND	S-1	
4 5 5 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		23"			4.0 to 6.2 Feet: Similar Soil; moist; no noticeable petroleum odor. *Bottom of Borehole at 6.2 Feet.* **Refusal 6.2 Feet.**		11-28-07	0.2	S-2	

Note: Bgs. = Below Ground Surface.

ppm=parts-per-million

SE				'EGIC ENTAL, LLC			L	OCATION	PROJECT	Sackets Harbor NO.: 06-742 FMC Petroleum Terminal Sackets Harbor, NY
ATE STAR ATE COMI DGGED BY RILLING C AME OF D	PLETE (OMPA	D : 11 : J. .NY : SE	Pentla E, LLC	nd	DRILLING METHOD : Geoprob RIG TYPE : TOTAL DEPTH : 6.2 Feet APPOX. GW DEPTH : SAMPLING METHOD : Macro-C			LOG	OF BO	PRING SB-126 (Page 1 of 1)
Blow Count	RECOVERY (inches)	nscs	GRAPHIC		DESCRIPTION	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
0 1 2 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	36"			SAND; moist; u 1.0 to 2.0 Feet: medium to fine 2.0 to 4.0 Feet: fine sub-rounds Sand, moist; ui 4.0 to 6.2 Fee	Light Grey SILT, some coarse to ed Gravel, little medium to fine nsorted.		11-28-0	0.2	S-1	
9 14444444444444	30"			**Refusal 6.2			11-28-	07 659	S-2	
7		1								
8 J. L.										
10		-1	ound 9	Surface.	pon	=parts-per	million			

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL, LLC Ambrose Street, Sackets Harbor, NY DATE STARTED : 11/28/07 DRILLING METHOD : Geoprobe DATE COMPLETED : 11/28/07 RIG TYPE LOG OF BORING SB-127 LOGGED BY : J. Penlland TOTAL DEPTH : 5.9 Feet DRILLING COMPANY: SE, LLC APPOX. GW DEPTH: NAME OF DRILLER : S. Quimby SAMPLING METHOD: Macro-Core (Page 1 of 1) RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC Depth DATE MAX PID USCS Core in **DESCRIPTION** I.D. (feet) (ppm) 0.0 to 0.5 Feet: Dark Brown SILT, some medium to fine Sand; moist; unsorted; Organics. 0.5 to 2.5 Feet: Brown SILT, some Clay, little medium to fine Sand; moist; stiff. 0.4 2.5 to 4.0 Feet: Light Grey SILT and coarse to fine sub-rounded Gravel, little medium to fine Sand, little Clay. 42" 11-28-07 S-1 1.1 4.0 to 5.9 Feet: Similar Soil; slight odor. *Bottom of Borehole at 5.9 Feet.* **Refusal 5.9 Feet.** 20" 11-28-07 310 S-2 6 8 9. Note: Bgs. = Below Ground Surface. ppm=parts-per-million

Soil classifications are based on visual and manual field observations only

S_{F}					TEGIC ENTAL, LLC				L	OCATION	PROJECT I: Former A	Sackets Harbor NO.: 06-742 FMC Petroleum Termina Sackets Harbor, NY
	OMPI D BY IG CO	LETE OMPA	D :11		nd	DRILLING METHOD RIG TYPE TOTAL DEPTH APPOX. GW DEPTH SAMPLING METHOD	: : 6.0 Feet :	e		LOG	OF BC	Page 1 of 1)
epth in eet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	1	DESCRIPTION		Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 2 3		36"			fine SAND; mois	Dark Brown SILT and co st; unsorted; loose; Orga Brown SILT, some Clay Sand.	anics.		11-28-07	0.8	S-1	
5 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 -		27"			fine sub-rounde moist; dense; s	Light Grey SILT, some ed Gravel, little coarse to light petroleum odor.	medium to o fine Sand;		11-28-0	7 43.8	S-2	
8-												
10			low Gro					ards-per-r	willian			

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only.

DATE STARTED DATE COMPLET LOGGED BY DRILLING COMINAME OF DRILL Depth in (feet)	TED : 11/28 : J. Pe PANY : SE, L LER : S. Qu	3/07 Intland LLC	DRILLING METHOD : Geopric RIG TYPE : TOTAL DEPTH : 5.7 Fe APPOX. GW DEPTH : SAMPLING METHOD : Macro	eet		LOC	G OF BC	ORING SB-129 (Page 1 of 1)
		uimby 	SAMPLING METHOD: Macro	o-Core		1		(1 age 1 of 1)
	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
2-1 30"		0.0 to 4.0 Feet: medium to fine	Brown SILT, some Clay, little Sand; stiff; moist.		11-28-07	0.4	S-1	
5 - 12"		GRAVEL, little	Light Grey SILT and coarse to fi Clay; moist; unsorted; little odor. ehole at 5.7 Feet.* eet.**		11-28-07	91.9	S-2	

SE			STRAT	ENTAL, LLC			L	OCATION	PROJECT I	ackets Harbor NO.: 06-742 MC Petroleum Termina ackets Harbor, NY
OATE STAF OATE COM OGGED B ORILLING (JAME OF I	PLETE Y COMPA	D : 11: J. NY : SI	Pentla E, LLC	R nd T(A	RILLING METHOD : Geoprol G TYPE : DTAL DEPTH : 6.6 Fee PPOX. GW DEPTH : AMPLING METHOD : Macro-C	t		LOG	OF BOI	RING SB-130 (Page 1 of 1)
epth in Geet)	RECOVERY (inches)	nscs	GRAPHIC	DESC	CRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 2 3 4 5 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	24"			fine Sand, Organics; n 0.5 to 4.0 Feet: Light E moist; loose; Organics 4.0 to 5.0 Feet: Similar	or Soil. SILT and CLAY, little coars Gravel; stiff; moist.	D;	11-29-0	0.1	S-1	
7 8 8 9 9 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		1						1		

S	B		ENVI		NTEGIC MENTAL LLC				LOCATION Am	PROJEC ON: Former	: Sackets Harbor IT NO.: 06-742 AFMC Petroleum Terr i, Sackets Harbor, NY
LOGG DRILL	CON ED E ING	APLET BY COMP	ED :1	Pentla E, LLC	7 and C	DRILLING METHOD : Geopric RIG TYPE : TOTAL DEPTH : 7.5 Fe	et		LO	G OF BO	ORING SB-131 (Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC		SAMPLING METHOD: Macro-	Depth of Change	DATE	MAX PID	Core I.D.	(rage 1011)
1 2 3		30"			fine SAND, Orgar	ark Brown SILT and coarse to nics; moist; unsorted. ght Brown medium to fine SANI	D;	11-29-07	0.6	S-1	
5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		37"			medium to fine Sa	rey SILT, some Clay, little coars it; mild petroleum odor. ole at 7.5 Feet.*	е	11-29-07	2.3	S-2	
9 10 1									· · · · · · · · · · · · · · · · · · ·		

SE		TED.	ENVIR		EGIC ENTAL LLC	DRILLING METHOD	: Geoprobe		L	OCATION	PROJECT I: Former A	Sackets Harbor NO.: 06-742 FMC Petroleum Termina Sackets Harbor, NY
ATE CO DGGED RILLING	MP BY GC	LETE	D :11	/29/07 Pentla E, LLC	nd	RIG TYPE	: : 7,2 Feet :)		LOG	OF BC	(Page 1 of 1)
epth in seet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	[DESCRIPTION		Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
0 1 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		30"			fine Sand; moist 0.5 to 4.0 Feet: fine SAND; mois	Dark Brown SILT, some of unsorted; Organics. Light Brown Reddish med st; loose; Organics through the street of the	dium to		11-29-0	0.6	S-1	
5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		35"			6.5 to 7.2 Feets sub-angular Gl trace Clay; mo	Sand; stiff; moist. Grey SILT and medium RAVEL, little coarse to fin st; petroleum odor. ehole at 7.2 Feet.* Feet.**	to fine e Sand,		11-29-	0.5	S-2	
8- 9-	rrrin											

Note: Bgs. = Below Ground Surface.

S	E				NTEGIC MENTAL, LLC					PROJEC DN: Former	: Sackets Harbor CT NO.: 06-742 AFMC Petroleum Termi t, Sackets Harbor, NY
	COM ED E	MPLET BY COMP	ED :1		7 and C	DRILLING METHOD : Geopre RIG TYPE : 6.6 Fee APPOX. GW DEPTH :	et		LO	G OF B	ORING SB-133 (Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	SOSO	GRAPHIC		SAMPLING METHOD: Macro-	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
2		30"			fine Sand; moist; 0.5 to 3.0 Feet: Li fine SAND; moist;	rown SILT, some Clay, little		11-29-07	5.4	S-1	
5]	25"			medium to fine Sa 5.5 to 6.6 Feet: G	rown SILT, some Clay, little and; moist; stiff. Frey SILT, little Clay, little mediur e sub-rounded Gravel.	n	11-29-07	353	S-2	
7											

	OMF	PLETE	: 11 D : 11	ONM /29/07 /29/07		DRILLING METHOD : Geoprobing Type : TOTAL DEPTH : 6.2 Feet	3	L	OCATION. Ambr	PROJECT I: Former A ose Street,	Sackets Harbor NO.: 06-742 FMC Petroleum Termina Sackets Harbor, NY
	NG C	OMPA	. J. NY : SI R : S.			APPOX. GW DEPTH : SAMPLING METHOD : Macro-Ci	ore				(Page 1 of 1)
epth in feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC		DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
2 - 3 - 4 -		25"			fine SAND; moi 3.5 to 4.0 Feet: medium to fine 4.0 to 5.5 Fee	Brown SILT, some Clay, little Sand; moist; stiff.		11-29-0	22	S-1	
5 - 6 -	in linning	18"			*Bottom of Bo **Refusal 6.2	rehole at 6.2 Feet.* Feet.**		11-29	75.2	S-2	
7	11111111										
							=parls-per-				

Note: Bgs. = Below Ground Surface.

S_1					TEGIC IENTAL, ELC				Į		PROJEC N: Former A	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termi , Sackets Harbor, NY
LOGGE DRILLIN	DOM ED B'	PLET Y OMP	ED :11	Penlla E, LLC	7 and ;	DRILLING METHOD RIG TYPE TOTAL DEPTH APPOX. GW DEPTH SAMPLING METHOI	: : 7.5 Feet I :			LO	G OF BC	ORING SB-135 (Page 1 of 1)
	Blow Count	RECOVERY (inches)	SOSO	GRAPHIC		DESCRIPTION	: Macro-Core	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		23"			0.0 to 4.0 Feet: F SAND; moist; loo	leddish light Brown me se.	dium to fine		11-29-07	0.6	S-1	
4 5 5 6 7		39"			medium to fine S	Brown SILT, little Clay, I and, trace medium to f vel; staining and odor i nole at 7.5 Feet.*	ine		11-29-07	46.3	S-2	

S			ENVIR	ONM /29/07	EGIC ENTAL, LLC		: Geoprobe		1	_OCATION Ambr	PROJECT N: Former A ose Street,	Sackets Harbor NO.: 06-742 FMC Petroleum Terminal Sackets Harbor, NY
DATE O LOGGE DRILLII NAME	ED BY	/ OMPA	: J. .NY : SE	Pentla E, LLC	nd	RIG TYPE TOTAL DEPTH APPOX, GW DEPTH SAMPLING METHOD		9		LOG	OF BO	(Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC		DESCRIPTION		Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
1-	- !				0.0 to 4.0 Feet: moist; loose.	Light Brown medium to f	ine SAND;			ND		
2-		39"							11-29-(0.1	S-1	
5-	لسيدلييييي	42"				t: Light Grey SILT, some e Sand; moist; stiff. rehole at 7.6 Feet.*	Clay, little		11-29	135 -07 152	S-2	
8			.1	1								
	0 - e: Bg	 js. = B	elow Gro	ound S	urface.	and field observations only		arts-per-i		ν		

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL LLC Ambrose Street, Sackets Harbor, NY DATE STARTED : 1/13/09 DRILLING METHOD : Direct Push DATE COMPLETED : 1/19/09 **RIG TYPE** : Track Rig **MONITORING WELL MW-101** LOGGED BY : J. Pentland TOTAL DEPTH : 6.7 Feet DRILLING COMPANY: Paragon Environmental APPOX. GW DEPTH : (Page 1 of 1) NAME OF DRILLER : SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC Depth DATE MAX PID Core uscs in **DESCRIPTION** I.D. (feet) (ppm) 0.0 to 4.0 Feet: Brown medium to fine SAND, trace Silt; moist; loose; unsorted. 0.5 24" 1-13-09 S-1 0.9 4 5 6 Sample Collected 4.0 to 5.5 Feet: Similar Soil. 5.5 to 6.7 Feet: Brown SILT, little Clay; moist; stiff; petroleum odors and staining noted at at 15:30 32" *Bottom of Borehole at 6.7 Feet* 1-13-09 S-2 **Refusal encountered at 6.7 Feet** E:\BACK UP OF JD COMP\MTECH5\JamiesLogs\Sackets Harbor\MW-101.bor

Note: Bgs. = Below Ground Surface. Soil classifications are based on visual and manual field observations only.

								OCATIO	PROJECT N: Former A	Sackets Harbor 「NO.: 06-742 IFMC Petroleum Termina Sackets Harbor, NY
Y COMP	ED: 12 : J. ANY: SI	2/18/08 Pentla E, LLC	s and	RIG TYPE : TOTAL DEPTH : 6.0 APPOX. GW DEPTH :	Feet			MONI	FORING	(Page 1 of 1)
RECOVERY (inches)	nscs	GRAPHIC	[DESCRIPTION		Depth of Change	DATE	MAX PID (ppm)	Core 1.D.	COMMENTS
46"			sub-angular GR. moist; unsorted.	AVEL and coarse to fine SAN			12-18-0	ND ND	S-1 ·	
24"			5.0 to 6.0 Feet: fine sub-angula	Brown SILT, some coarse to r Gravel, little Clay; moist; der	nse.		12-18-0	8 ND	S-2	
	PLETE Y AMP (inches) A 46"	ENVIR RED : 12 PLETED : 12 Y : J. COMPANY : SI DRILLER : M ORCS 46"	ENVIRONM RTED : 12/18/08 PLETED : 12/18/08 Y : J. Pentla COMPANY : SE, LLC ORILLER : M. Kitts ORILLER : M. Kitts ORILLER : M. Kitts	PLETED: 12/18/08 Y: J. Pentland COMPANY: SE, LLC DRILLER: M. Kitts O.0 to 0.5 Feet: I sub-angular GR. moist; unsorted. 0.5 to 4.0 Feet: I stiff. 46" 4.0 to 5.0 Feet: I fine sub-angula *Bottom of Bore	ENVIRONMENTAL LLC RTED : 12/18/08 DRILLING METHOD : Gec PLETED : 12/18/08 RIG TYPE : Y : J. Pentland TOTAL DEPTH : 6.0 COMPANY : SE, LLC APPOX. GW DEPTH : SAMPLING METHOD : Mac OUT OF THE SENTITION OUT OF THE SENTITION OUT OF THE SENTITION DESCRIPTION OUT OF THE SENTITION OUT OF	ENVIRONMENTAL LLC RTED: 12/18/08	ENVIRONMENTAL LLC RTED: 12/18/08	ENVIRONMENTAL LLC RTED : 12/18/08	STRATEGIC ENVIRONMENTAL LLC RICED: 12/18/08 DRILLING METHOD: Geoprobe RIG TYPE: 12/18/08 RIG TYPE: 15. Pentland TOTAL DEPTH: 6.0 Feet APPOX. GW DEPTH: SAMPLING METHOD: Macro-Core MONITALER: M. Kitts SAMPLING METHOD: Macro-Core DATE MAX PID SECRIPTION DATE MAX PID SECRIPTION O.0 to 0.5 Feet: Dark Grey medium to fine sub-angular GRAVEL and coarse to fine SAND; moist; unsorted. 0.5 to 4.0 Feet: Brown SILT, little Clay; moist; stiff. A0 to 5.0 Feet: Similar Soil. 5.0 to 6.0 Feet: Brown SILT, some coarse to fine sub-angular Gravel, little Clay; moist; dense. *Bottom of Borehole at 6.0 Feet* 12-18-08 ND	STRATEGIC ENVIRONMENTAL LLC STRATEGIC ENVIRONMENTAL LLC RIED : 12/18/08 PLETED : 1

Note: Bgs. = Below Ground Surface.
Soil classifications are based on visual and manual field observations only.

DATE S DATE S LOGGE	СОМ	IPLET	: 12 ED : 12		8	DRILLING METHOD : Geopre RIG TYPE : TOTAL DEPTH : 6.5 Fe			OCATIO Amb	PROJEC N: Former A prose Street,	Sackets Harbor T NO.: 06-742 AFMC Petroleum Termir , Sackets Harbor, NY
DRILLI	NG (COMP	. J. ANY : SI ER : M	E, LLC		APPOX. GW DEPTH : SAMPLING METHOD : Macro-					(Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	С	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
1 1 2 2 3 3 3 3 3		28"			to fine Sand, little	ight Brown SILT, some Clay ne sub-angular Gravel: wet:		12-17-08	ND	S-1	
5		28"			4.0 to 6.5 Feet: S *Bottom of Boreh **Refusal encour			12-17-0	3 ND	S-2	Sample Collected at 16:00
7											

Note: Bgs. = Below Ground Surface.

Soit classifications are based on visual and manual field observations only

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL LLC DRILLING METHOD : Geoprobe : 12/18/08 DATE STARTED DATE COMPLETED : 12/18/08 **RIG TYPE** MONITORING WELL MW-104 : 6.2 Feet TOTAL DEPTH LOGGED BY ; J. Pentland APPOX. GW DEPTH : DRILLING COMPANY: SE, LLC (Page 1 of 1) SAMPLING METHOD: Macro-Core NAME OF DRILLER : M. Kitts RECOVERY (inches) Depth of Change Blow Count GRAPHIC Depth DATE MAX PID Core **DESCRIPTION** uscs in I.D. (feet) (ppm) 0.0 to 2.5 Feet: Light Grey coarse to fine angular GRAVEL and coarse to fine SAND; moist; unsorted. 2.5 to 4.0 Feet: Dark Brown SILT, some Clay; ND moist; unsorted. S-1 12-18-08 30" ND 3 4.0 to 6.2 Feet: Similar Soil. 5-1 *Bottom of Borehole at 6.2 Feet* **Refusal encountered at 6.2 Feet** 12-18-08 S-2 ND 18" ENBACK UP OF JD COMPWITECH5\JamiesLogs\Sackets Harbor\MW-104.bor 6-9 – ppm=parts-per-million Note: Bgs. = Below Ground Surface.

Depths noted are approx.

Soil classifications are based on visual and manual field observations only.

DATE			ENVIR : 1/	RONA /13/09		DRILLING METHOD : Geop	probe		Aml	PROJEC ON: Former / brose Street	: Sackets Harbor ET NO.: 06-742 AFMC Petroleum Terminal t, Sackets Harbor, NY
	SED B .ING (BY COMP	: J. PANY : SE		land C	RIG TYPE : TOTAL DEPTH : 6.5 FO APPOX. GW DEPTH :			MONI	TORING	G WELL MW-105 (Page 1 of 1)
NAIVIE	OFL		ER : M.	. Kitts		SAMPLING METHOD: Macro	o-Core	T			(Fage 1 or 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	Г	DESCRIPTION	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
0 1 2 3 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		23"			4.0 to 6.5 Feet: S near bottom.	Similar Soil becoming very stiff		1-13-09	0.7	S-1	
E:BACK UP OF JD COMPIMTECH5UamiesLogs\Sackets HarbonNW-105.bor	80	- Bak	ow Ground	-4 Cur	fran		=parts-per-mill				

ppm=parts-per-million

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL LLC DRILLING METHOD : Geoprobe : 12/15/08 DATE STARTED MONITORING WELL MW-106 **RIG TYPE** DATE COMPLETED : 12/15/08 TOTAL DEPTH : 6.2 Feet : J. Pentland LOGGED BY APPOX. GW DEPTH : DRILLING COMPANY: SE, LLC (Page 1 of 1) SAMPLING METHOD: Macro-Core NAME OF DRILLER : M. Kitts RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC DATE MAX PID Core Depth **DESCRIPTION** USCS 1.D. (feet) (ppm) 0-0.0 to 1.5 Feet: Brown SILT, trace fine Sand; moist; unsorted. 1.5 to 4.0 Feet: Brown SILT, little Clay, trace fine Sand; moist; dense. ND 12-15-08 S-1 44" ND 4.0 to 6.2 Feet: Similar Soil; very dense; Organics at approx. 6 feet. *Bottom of Borehole at 6.2 Feet* **Refusal encountered at 6.2 Feet** S-2 12-15-08 ND 5-28" ENBACK UP OF JD COMPIMTECH5\JamiesLogs\Sackets Harbor\MW-106.bor 6 10ppm=parts-per-million Note: Bgs. = Below Ground Surface. Depths noted are approx.

effications are based on visual and manual field observations only.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL LLC Ambrose Street, Sackets Harbor, NY DATE STARTED : 12/15/08 DRILLING METHOD : Geoprobe DATE COMPLETED : 12/15/08 RIG TYPE LOGGED BY LOG OF BORING SB-137 : J. Pentland TOTAL DEPTH : 3.9 Feet DRILLING COMPANY: SE, LLC APPOX. GW DEPTH : NAME OF DRILLER : M. Kitts (Page 1 of 1) SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change Blow Count GRAPHIC Depth uscs DATE MAX PID in Core **DESCRIPTION** (feet) I.D. (ppm) 0. 0.0 to 3.9 Feet: Brown SILT, some Brown Clay, little medium to fine sub-rounded Gravel; moist; *Bottom of Borehole at 3.9 Feet*
Refusal encountered at 3.9 Feet ND 40" 12-15-08 S-1 Sample Collected at 14:00 ND ENBACK UP OF JD COMPIMTECHS/JamiesLogs/Sackets Harbor/SB-137.bor

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL, LLC DRILLING METHOD : Geoprobe : 12/15/08 DATE STARTED LOG OF BORING SB-138 RIG TYPE DATE COMPLETED : 12/15/08 : 4.8 Feet : J. Pentland TOTAL DEPTH LOGGED BY APPOX. GW DEPTH : DRILLING COMPANY: SE, LLC (Page 1 of 1) SAMPLING METHOD: Macro-Core NAME OF DRILLER : M. Kitts RECOVERY (inches) Depth of Change COMMENTS Blow Count DATE MAX PID Core Depth **DESCRIPTION** I.D. (ppm) (feel) 0 0.0 to 2.5 Feet: Brown SILT and CLAY, little fine Sand; moist. 2.5 to 4.0 Feet: Brown SILT, some Clay, little medium to fine Sand, trace medium to fine ND sub-rounded Gravel; moist. Sample Collected 12-15-08 S-1 46" at 14:15 ND 4.0 to 4.8 Feet: Similar Soil; wet; water table S-2 encountered between 3.5 to 4.5 Feet. 12/15/08 ND 7" *Bottom of Borehole at 4.8 Feet* **Refusal encountered at 4.8 Feet** EABACK UP OF JD COMPIMTECH5JamiesLogs\Sackets Harbon\SB-138.bor ppm=parts-per-million

Note: Bgs. = Below Ground Surface. Soil classifications are based on visual and manual field observations only. Depths noted are approx.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL LLC Ambrose Street, Sackets Harbor, NY DATE STARTED : 12/15/08 DRILLING METHOD : Geoprobe DATE COMPLETED : 12/15/08 RIG TYPE LOG OF BORING SB-139 LOGGED BY : J. Pentland TOTAL DEPTH : 6.4 Feet DRILLING COMPANY: SE, LLC APPOX. GW DEPTH : (Page 1 of 1) NAME OF DRILLER : M. Kitts SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change COMMENTS **Blow Count** GRAPHIC Depth DATE MAX PID Core uscs **DESCRIPTION** in I.D. (feet) (ppm) 0. 0.0 to 1.5 Feet: Dark Brown coarse to fine sub-angular GRAVEL, some medium to fine Sand; moist; unsorted. 1.5 to 4.0 Feet: Brown SILT and CLAY, little fine Sand; moist; stiff. 2-32" 12-15-08 S-1 3. 4 5 6 4.0 to 5.0 Feet: Brown SILT, some Clay; moist; stiff; water table encountered at approximately 30" 12-15-08 S-2 5.0 to 6.4 Feet: Brown SILT and coarse to fine sub-rounded GRAVEL, little coarse to fine Sand; ND moist; very stiff. ENBACK UP OF JD COMPIMTECHSNamiesLogs\Sackets Harbor\SB-139.bor *Bottom of Borehole at 6.4 Feet* **Refusal encountered at 6.4 Feet** 10-

Note: Bgs. = Below Ground Surface. Soil classifications are based on visual and manual field observations only.

SE				FEGIC ENTAL LLC			L	OCATIO	PROJECT N: Former A	Sackets Harbor NO.: 06-742 FMC Petroleum Termina Sackets Harbor, NY
PATE STAR PATE COMI OGGED B' PRILLING C IAME OF D	PLETE Y OMP/	D : 12 ; J. ANY : SE	Pentla E, LLC	nd	DRILLING METHOD : Geopro RIG TYPE : TOTAL DEPTH : 6.1 Fee APPOX. GW DEPTH : SAMPLING METHOD : Macro-(t		LOG	OF BC	Page 1 of 1)
eet) Blow Count	RECOVERY (inches)	nscs	GRAPHIC	Γ	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
2 3 3 4 7	30"			GRAVEL, some unsorted; loose.			12-15-0	ND 8	S-1	
9 20 7	20"			5.5 to 6.1 Feet: GRAVEL, some table encounter	Coarse to fine sub-angular Silt and Clay; moist; stiff; water ed at approximately 4.5 feet. Shole at 6.1 Feet* untered at 6.1 Feet*		12-15-(08 ND	S-2	Sample Collected at 14:26
8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9										

Note: Bgs. = Below Ground Surface.
Soit classifications are based on visual and manual field observations only.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL LLC Ambrose Street, Sackets Harbor, NY : 12/15/08 DRILLING METHOD : Geoprobe DATE STARTED DATE COMPLETED : 12/15/08 **RIG TYPE** LOG OF BORING SB-141 : J. Pentland : 6.2 Feet LOGGED BY TOTAL DEPTH DRILLING COMPANY: SE, LLC APPOX. GW DEPTH: (Page 1 of 1) NAME OF DRILLER : M. Kitts SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change COMMENTS Count GRAPHIC Depth DATE MAX PID Core **USCS** DESCRIPTION Blow I.D. (feet) (ppm) 0.0 to 1.5 Feet: Coarse to fine GRAVEL, some medium to fine Sand, trace Silt; moist; unsorted. 1.5 to 4.0 Feet: Brown SILT, some Clay; moist; dense. ND 12-15-08 30" S-1 ND 4.0 to 5.0 Feet: Similar Soil. 5.0 to 6.2 Feet: Brown SILT and CLAY, some medium to fine sub-rounded Gravel, trace coarse to fine Sand; moist; very dense; water 12-15-08 S-2 ND table at approx. 5-6 feet. *Bottom of Borehole at 6.2 Feet* **Refusal encountered at 6.2 Feet** ENBACK UP OF JD COMPIMTECH5\JamiesLogs\Sackets Harbor\SB-141.bor 9.

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL LLC DRILLING METHOD : Geoprobe DATE STARTED : 12/15/08 **RIG TYPE** LOG OF BORING SB-142 DATE COMPLETED : 12/15/08 TOTAL DEPTH : 6.3 Feet : J. Pentland LOGGED BY APPOX. GW DEPTH: DRILLING COMPANY: SE, LLC (Page 1 of 1) SAMPLING METHOD: Macro-Core NAME OF DRILLER : M. Kitts RECOVERY (inches) Depth of Change Blow Count GRAPHIC Depth DATE MAX PID Core **USCS** DESCRIPTION in I.D. (feet) (ppm) 0. 0.0 to 2.0 Feet: Dark Brown coarse to fine sub-angular Gravel, some coarse to fine Sand; moist; loose; unsorted. 2.0 to 4.0 Feet: Brown SILT and CLAY; moist; ND Ssample Collected 12-15-08 S-1 32" at 14:57 ND 4.0 to 5.0 Feet: Similar Soil. 5.0 to 6.3 Feet: Brown CLAY and SILT, some medium to fine sub-rounded Gravel, little coarse to fine Sand; moist; very stiff; unsorted; water S-2 12-15-08 24" ND table at approx. 4.5 feet. *Bottom of Borehole at 6.3 Feet* **Refusal encountered at 6.3 Feet** ENBACK UP OF JD COMPYMTECH5\JamiesLogs\Sackets Harbor\SB-142.bor 6 8

Note: Bgs. = Below Ground Surface.

ppm=parts-per-million Depths noted are approx.

Soil classifications are based on visual and manual field observations only.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL, LLC Ambrose Street, Sackets Harbor, NY DATE STARTED : 12/15/08 DRILLING METHOD : Geoprobe DATE COMPLETED : 12/15/08 **RIG TYPE** LOG OF BORING SB-143 LOGGED BY : J. Pentland TOTAL DEPTH : 3.8 Feet DRILLING COMPANY: SE, LLC APPOX. GW DEPTH: NAME OF DRILLER : M. Kitts (Page 1 of 1) SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC Depth DATE MAX PID Core in DESCRIPTION I.D. (feet) (ppm) 0-0.0 to 3.8 Feet: Dark Brown SILT, some Clay, little medium to fine Sand; moist. *Bottom of Borehole at 3.8 Feet* **Refusal encountered at 3.8 Feet** 0.1 12-15-08 S-1 ND E:\BACK UP OF JD COMP\MTECH5\JamiesLogs\Sackets Harbor\SB-143.bor

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations

ppm=parts-per-million

$\overline{S_{E}}$		ENVIR	STRAT ONM	TEGIC ENTAL LLC			L	OCATION	PROJECT N: Former A	Sackets Harbor NO.: 06-742 FMC Petroleum Termina Sackets Harbor, NY
ATE STAR ATE COMP OGGED B' RILLING C AME OF D	PLETE (OMPA	D: 12 : J. ANY: SE	Pentla E, LLC	nd	DRILLING METHOD : Geopro RIG TYPE : TOTAL DEPTH : 6.0 Fee APPOX. GW DEPTH : SAMPLING METHOD : Macro-	et		LOG	OF BC	PAING SB-144 (Page 1 of 1)
eet) Blow Count	RECOVERY (inches)	nscs	GRAPHIC	I	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
2 3 3	30"			little medium to coarse to fine S	Dark Brown SILT and CLAY, fine sub-rounded Gravel, trace and; moist. Brown SILT, some Clay; moist;		12-15-0	0.4	S-1	
4 5 6 1	24"			4.0 to 6.0 Feet: *Bottom of Bore **Refusal enco	Similar Soil. ehole at 6.0 Feet* untered at 6.0 Feet**		12-15-	08 0.1	S-2	

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only.

S	E			RON	ATEGIC MENTAL LLC			LOCATIO Am	PROJE(ON: Former	: Sackets Harbor CT NO.: 06-742 AFMC Petroleum Terr t, Sackets Harbor, NY
LOGG DRILL	COMI ED B	PLET Y OMF	ED : 1:	Pent	08 RIG TYPE land TOTAL DEPTH C APPOX GW DEPTH	: : 9.7 Feet :		LO	G OF B	ORING SB-145 (Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
0 1 2 3 4 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		32"			0.0 to 4.0 Feet: Brown SILT and coarse to sub-angular and sub-rounded Gravel, littl moist; unsorted; dense; water table at app 3.6 feet. 4.0 to 8.0 Feet: Grey and Brown SILT, sor Clay, trace medium to fine Sand; moist; vestiff.	e Clay; prox.	12-15-08	ND ND	S-1	
8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9					8.0 to 9.7 Feet: Similar Soil; wet. *Bottom of Borehole at 9.7 Feet* **Refusal encountered at 9.7 Feet**		12-15-08	ND	S-3	

SE			s Enviro	TRAT Onme	EGIC ENTAL LLC			L	OCATION:	PROJECT I	ackets Harbor NO.: 06-742 MC Petroleum Terminal Backets Harbor, NY
ATE STA ATE CO OGGED RILLING AME OF	MPL BY CO	ETEC MPAI) : 12. - J. NY : SE	Pentlar E, LLC	nd	DRILLING METHOD : Geoprol RIG TYPE : TOTAL DEPTH : 7.7 Feel APPOX, GW DEPTH : SAMPLING METHOD : Macro-C	t		LOG	OF BO	(Page 1 of 1)
epth in eet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC		DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
		26"			fine sub-angul Sand; moist; u 4.0 feet.	:: Dark Brown SILT and coarse to ar GRAVEL, little coarse to fine nsorted; petroleum odors noted at		12-15-	0.3	S-1	
5-		36'			moist; very s 5.5 to 7.7 Fe fine SAND, li	et: Dark Brown SILT, some Clay; tiff. et: Dark Brown SILT and coarse to ittle Clay; moist; very dense. forehole at 7.7 Feet* accountered at 7.7 Feet**		12-1	91.7	S-2	Sample Collected at 15:47
6- 7- 8											

S	E		envi		NTEGIC MENTAL, LLC				LOCATIO Amb	PROJEC N: Former	: Sackets Harbor CT NO.: 06-742 AFMC Petroleum Term t, Sackets Harbor, NY
LOGGE	COMP ED BY VG C	PLETI OMP	ED : 1: : J. ANY : S	Pentl	8 RIG TYPE and TOTAL DEPTH APPOX. GW DEPT	: : 5.3 Feet ^T H :	e		LO	G OF B	ORING SB-147 (Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	DESCRIPTION		Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
2 3	2	20"			0.0 to 4.0 Feet: Dark Brown SILT and fine sub-rounded GRAVEL, some coan Sand; moist; unsorted; petroleum odor	se to fine		12-15-08	0.8 8 62.0	S-1	
5	2	8"			4.0 to 5.3 Feet: Dark Brown SILT, som to fine Sand, little medium to fine Gravdense; petroleum odors noted through *Bottom of Borehole at 5.3 Feet* **Refusal encountered at 5.3 Feet**	el: moist:		12-15-08	58.0	S-2	
6 7 7 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9											

SE ENVIR	STRATEGIC RONMENTAL LLC				OCATION	PROJECT : Former A	Sackets Harbor NO.: 06-742 FMC Petroleum Termina Sackets Harbor, NY
ATE COMPLETED : 12	Pentland E, LLC	DRILLING METHOD : Geoprobe RIG TYPE : TOTAL DEPTH : 3.8 Feet APPOX. GW DEPTH : SAMPLING METHOD : Macro-Co			LOG	OF BC	Page 1 of 1)
Blow Count RECOVERY (inches) USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATI	E MAX PID (ppm)	Core I.D.	COMMENTS
20" 20" 20" 20" 20" 20" 20" 20" 20" 20"	1.5 to 3.8 f plastic; ver	Feet: Brown SILT and CLAY; moist;		12-15	3.8	S-1	

Note: Bgs. = Below Ground Surface.

Note: Bgs. = Below Ground Surface.

ppm=parts-per-million Depths noted are approx.

is noted are approx.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL LLC Ambrose Street, Sackets Harbor, NY DATE STARTED : 12/15/08 DRILLING METHOD : Geoprobe DATE COMPLETED : 12/15/08 **RIG TYPE** LOG OF BORING SB-149 LOGGED BY : J. Pentland TOTAL DEPTH : 6.0 Feet DRILLING COMPANY: SE, LLC APPOX. GW DEPTH: (Page 1 of 1) NAME OF DRILLER : M. Kitts SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC Depth **USCS** DATE MAX PID Core in DESCRIPTION I.D. (feet) (ppm) 0-0.0 to 1.0 Feet: Grey coarse to fine sub-angular GRAVEL, some Silt; moist; very dense; unsorted. 1.0 to 4.0 Feet: Brown SILT, little Clay, trace 1 coarse Sand; moist; very stiff. 46" 12-15-08 S-1 0.8 4.0 to 6.0 Feet: Similar Soil; petroleum odors noted. *Bottom of Borehole at 6.0 Feet* 5-**Refusal encountered at 6.0 Feet** 24" 12-15-08 132.0 S-2 ENBACK UP OF JD COMPIMTECHS\JamiesLogs\Sackets Harbor\SB-149.bor 6-9 10-

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL LLC DRILLING METHOD : Geoprobe : 12/15/08 RIG TYPE LOG OF BORING SB-150 DATE COMPLETED : 12/15/08 TOTAL DEPTH : 5.3 Feet LOGGED BY : J. Pentland APPOX. GW DEPTH: DRILLING COMPANY: SE, LLC (Page 1 of 1) NAME OF DRILLER : M. Kitts SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change **Blow Count** GRAPHIC Depth DATE MAX PID Core **USCS** DESCRIPTION in I.D. (feet) (ppm) 0. 0.0 to 2.0 Feet: Dark Brown coarse to fine angular GRAVEL, some coarse to fine Sand; moist; unsorted. 2.0 to 4.0 Feet: Brown SILT, some Clay; moist; 1.2 stiff. 12-15-08 S-1 30" 1.3 3. 4.0 to 5.3 Feet: Similar Soil. *Bottom of Borehole at 5.3 Feet* 12-15-08 2.5 S-2 28" **Refusal encountered at 5.3 Feet** 5 ENBACK UP OF JD COMPIMTECH5/JamiesLogs\Sackets Harbor\SB-150.bor Note: Bgs. = Below Ground Surface. ppm=parts-per-million

Soil classifications are based on visual and manual field observations only.

Depths noted are approx.

corded on this log represents approx, depth at which

DATE S			ENVII	RONN 2/15/0		DRILLING METHOD RIG TYPE	: Geoprobe :			Aml	PROJEC DN: Former brose Street	: Sackets Harbor IT NO.: 06-742 AFMC Petroleum Termin , Sackets Harbor, NY
LOGGE	ED B	Y		Pentl	and		: 6.0 Feet			LO	G OF BO	ORING SB-151
		ORILL	ER :M			SAMPLING METHOD				1	1	(Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	D	ESCRIPTION		Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS
0					0.0 to 1.5 Feet: D fine angular GRA	ark Brown SILT and coa VEL; moist; unsorted; de	rse to					
1-1					1.5 to 4.0 Feet: B	rown SILT, some Clay; n	noist;			0.5		
⊣										0.5		
2-		36"							12-15-08		S-1	
זוווי												
3 -										ND		
2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1												
4-			- 101.0		4.0 to 6.0 Feet: S	imilar Soil.				:		
1					*Bottom of Boreho	ole at 6.0 Feet* tered at 6.0 Feet**			:			
5-1		24"							12-15-08	0.3	S-2	
, 1												
6-1									I			
7												
חוון												
81												
1												
9-1												
1777												
10-				d Surfa								

Note: Bgs. = Below Ground Surface.

ppm=parts-per-million Donths noted are a

SE				EGIC ENTAL LLC					OCATION	PROJECT N: Former A	Sackets Harbor NO.: 06-742 FMC Petroleum Terminal Sackets Harbor, NY
DATE STAR' DATE COMP LOGGED BY DRILLING COMP NAME OF DE	LETE OMPA	D : 12 : J. ANY : SE	Pentla E, LLC		DRILLING METHOD RIG TYPE TOTAL DEPTH APPOX. GW DEPTH SAMPLING METHOI	: : 5.4 Feet I :	e		LOG	OF BC	Page 1 of 1)
Depth in (feet)	RECOVERY (inches)	nscs	GRAPHIC	[DESCRIPTION		Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 2 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	46"			sub-angular GR/ Sand; moist; uns 1.0 to 4.0 Feet: I	Brown and Reddish Bro trace fine Sand, moist; Grey staining between	fine own very		12-16-	08	S-1	
4 5 6 7 8 9 10 Note: B9	24"			fine sub-rounde Sand; moist; st	Brown SILT, some me ed Gravel, little coarse	dium to to fine		12-16-	-08	S-2	
10 - Note: Bg	c = B	alow Gr	ound S	urface			arts-per-r				

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL, LLC Ambrose Street, Sackets Harbor, NY DATE STARTED : 12/18/08 DRILLING METHOD : Geoprobe DATE COMPLETED : 12/18/08 **RIG TYPE** LOG OF BORING SB-153 LOGGED BY : J. Pentland TOTAL DEPTH : 7.2 Feet DRILLING COMPANY: SE, LLC APPOX. GW DEPTH: NAME OF DRILLER : M. Kitts (Page 1 of 1) SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change Blow Count GRAPHIC Depth DATE MAX PID Core in **DESCRIPTION** J.D. (feet) (ppm) 0-0.0 to 3.0 Feet: Dark Brown CLAY, some Silt; moist; loose. 3.0 to 4.0 Feet: Brown SILT, some Clay; moist; dense. ND 40" 12-18-08 S-1 ND Sample Collected 4.0 to 7.2 Feet: Light Brown SILT and coarse to fine sub-angular GRAVEL, little Clay and coarse to fine Sand; wet; very dense. at 11:50 *Bottom of Borehole at 7.2 Feet*
Refusal encountered at 7.2 Feet ND 44" 12-18-08 S-2 E:\BACK UP OF JD COMP\MTECH5\JamiesLogs\Sackets Harbor\SB-153.bor ND

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL, LLC DRILLING METHOD : Geoprobe DATE STARTED : 12/16/08 RIG TYPE DATE COMPLETED : 12/16/08 LOG OF BORING SB-154 TOTAL DEPTH : 5.4 Feet LOGGED BY : J. Pentland APPOX. GW DEPTH : DRILLING COMPANY: SE, LLC (Page 1 of 1) SAMPLING METHOD: Macro-Core NAME OF DRILLER : M. Kitts RECOVERY (inches) Depth of Change **Blow Count** GRAPHIC Depth DATE MAX PID Core uscs DESCRIPTION in (feet) (ppm) 0 0.0 to 4.0 Feet: Brown medium to fine SAND, trace Silt; wet at 2.5 feet. Sample Collected ND 2 3 at 15:30 12-16-08 S-1 38" ND 4.0 to 5.5 Feet: Similar Soil; wet; loose. *Bottom of Borehole at 5.5 Feet* S-2 12-16-08 ND **Refusal encountered at 5.5 Feet** 20" ENBACK UP OF JD COMP\MTECH5\JamiesLogs\Sackets Harbor\SB-154.bor 8 9 10ppm=parts-per-million Note: Bgs. = Below Ground Surface.

Depths noted are approx.

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Soil classifications are based on visual and manual field observations only.

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PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL, LLC Ambrose Street, Sackets Harbor, NY DATE STARTED : 12/16/08 DRILLING METHOD : Geoprobe DATE COMPLETED : 12/16/08 **RIG TYPE** LOG OF BORING SB-155 LOGGED BY : J. Pentland TOTAL DEPTH : 5.4 Feet DRILLING COMPANY: SE, LLC APPOX. GW DEPTH : (Page 1 of 1) NAME OF DRILLER : M. Kitts SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change Blow Count GRAPHIC Depth DATE MAX PID Core USCS **DESCRIPTION** I.D. (feet) (ppm) 0-0.0 to 2.0 Feet: Coarse to fine angular and sub-rounded GRAVEL, some coarse to fine Sand; moist; unsorted. 2.0 to 4.0 Feet: Dark Brown SILT and CLAY, ND trace fine Sand; moist; dense. 12-16-08 S-1 ND 3-4.0 to 5.4 Feet: Brown SILT, little fine Sand; moist; dense. 20" *Bottom of Borehole at 5.4 Feet* 12-16-08 ND S-2 **Refusal encountered at 5.4 Feet** 6 BACK UP OF JD COMP\MTECH5\Jamies\Logs\Sackets Harbor\SB-155.bor

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only.

[S]					'EGIC ENTAL LLC				L	OCATIO	PROJECT N: Former A	Sackets Harbor NO.: 06-742 FMC Petroleum Terminal Sackets Harbor, NY
	COMP ED BY	PLETE Y OMPA	D :12			DRILLING METHOD RIG TYPE TOTAL DEPTH APPOX. GW DEPTH SAMPLING METHOD	: : 5.5 Feet :	9		LOG	OF BC	Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	NSCS	GRAPHIC	Γ	DESCRIPTION		Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
		28"			sub-rounded GR moist; unsorted.	Grey coarse to fine angu AVEL, little coarse to fin Brown SILT and CLAY, dense.	ne Sand;		12-16-0	8 8 0	S-1	
4- 5-					dense; petroleu	Brown SILT, little Clay; m odors noted. hole at 5.5 Feet* intered at 5.5 Feet**	moist;		12-16-0	51.0	S-2	Sample Collected at 14:17
6· 7 8	سيبليبيآ بيرزين							rts-per-n				

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL, LLC Ambrose Street, Sackets Harbor, NY **DATE STARTED** DRILLING METHOD : Geoprobe : 12/16/08 DATE COMPLETED : 12/16/08 RIG TYPE LOG OF BORING SB-157 LOGGED BY : J. Pentland TOTAL DEPTH : 5.6 Feet DRILLING COMPANY: SE, LLC APPOX. GW DEPTH : NAME OF DRILLER : M. Kitts (Page 1 of 1) SAMPLING METHOD: Macro-Core (inches) Depth of Change RECOVERY COMMENTS **Blow Count** GRAPHIC Depth DATE MAX PID uscs Core DESCRIPTION I.D. (feet) (ppm) 0-0.0 to 0.5 Feet: Grey coarse to fine angular and sub-rounded GRAVEL, some coarse to fine Sand; moist. 0.5 to 4.0 Feet: Brown SILT, some Clay; moist; 1.5 dense. 46" 12-16-08 S-1 8.0 Sample Collected 4.0 to 4.5 Feet: Similar Soil. 4.5 to 5.6 Feet: Greyish Brown SILT, some at 15:03 coarse to fine sub-rounded Gravel, little Clay; 24" 12-16-08 56.0 S-2 moist; very dense; petroleum odors at 4.5 feet. *Bottom of Borehole at 5.6 Feet* **Refusal encountered at 5.6 Feet** E:\BACK UP OF JD COMP\MTECH5\JamiesLogs\Sackets Harbor\SB-157.bor 6 9

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL LLC DRILLING METHOD : Geoprobe : 12/16/08 DATE STARTED DATE COMPLETED : 12/16/08 RIG TYPE LOG OF BORING SB-158 : 5.7 Feet TOTAL DEPTH LOGGED BY ; J. Pentland DRILLING COMPANY: SE, LLC APPOX. GW DEPTH: (Page 1 of 1) SAMPLING METHOD: Macro-Core NAME OF DRILLER : M. Kitts RECOVERY (inches) Depth of Change Blow Count GRAPHIC Depth DATE MAX PID Core **DESCRIPTION** uscs I.D. (feet) (ppm) 0.0 to 0.5 Feet: Grey coarse to fine sub-angular GRAVEL, some coarse to fine Sand; moist; unsorted. 0.5 to 4.0 Feet: Brown SILT, some Clay, little fine ND Sand; moist; stiff. 12-16-08 S-1 46" 63 3 Sample Collected 4.0 to 5.0 Feet: Similar Soil. at 15:10 5.0 to 5.7 Feet: Coarse to fine sub-angular GRAVEL, some Grey Silt, little fine Sand; moist; 52.1 S-2 12-16-08 30" stiff; petroleum odors noted. 5 *Bottom of Borehole at 5.7 Feet* **Refusal encountered at 5.7 Feet** ENBACK UP OF JD COMPIMTECH5\JamiesLogs\Sackets Harbor\SB-158.bor 9.

Note: Bgs. = Below Ground Surface. Soil classifications are based on visual and manual field observations only. DID screening performed by headspace analysis methods with

ppm=parts-per-million Depths noted are approx.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL LLC Ambrose Street, Sackets Harbor, NY DATE STARTED : 12/17/08 DRILLING METHOD : Geoprobe DATE COMPLETED : 12/17/08 **RIG TYPE** LOG OF BORING SB-159 LOGGED BY : J. Pentland TOTAL DEPTH : 5.8 Feet DRILLING COMPANY: SE, LLC APPOX. GW DEPTH : (Page 1 of 1) NAME OF DRILLER : M. Kitts SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change Blow Count GRAPHIC Depth DATE MAX PID Core **DESCRIPTION** I.D. (feet) (ppm) 0-0.0 to 2.0 Feet: Dark Brown medium to fine sub-angular GRAVEL and coarse to fine Sand; moist; unsorted; petroleum odors noted. 2.0 to 4.0 Feet: Brown SILT, some medium to 78.0 fine Sand, little Clay; moist; stiff; petroleum odors noted. 36" 12-17-08 S-1 3. 98.0 4.0 to 5.8 Feet: Similar Soil. *Bottom of Borehole at 5.8 Feet* **Refusal encountered at 5.8 Feet** 20" 12-17-08 185 S-2 E:\BACK UP OF JD COMP\MTECH5\JamiesLogs\Sackets Harbor\SB-159.bor 6-

Note: Bgs. = Below Ground Surface.

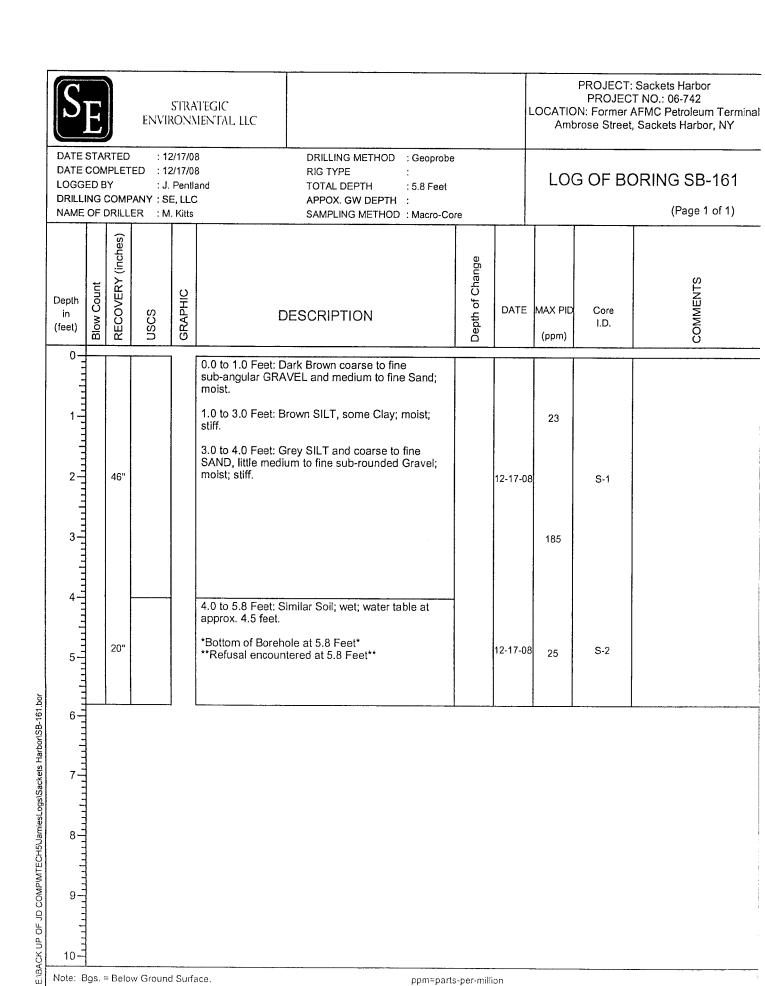
Soil classifications are based on visual and manual field observations only.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL, LLC DRILLING METHOD : Geoprobe : 12/17/08 DATE STARTED **RIG TYPE** LOG OF BORING SB-160 DATE COMPLETED : 12/17/08 TOTAL DEPTH : 5.7 Feet LOGGED BY : J. Pentland APPOX. GW DEPTH: DRILLING COMPANY: SE, LLC (Page 1 of 1) SAMPLING METHOD: Macro-Core NAME OF DRILLER : M. Kitts RECOVERY (inches) Depth of Change Blow Count GRAPHIC Depth DATE MAX PID Core uscs DESCRIPTION I.D. (feet) (ppm) 0. 0.0 to 1.0 Feet: Dark Brown medium to fine sub-angular GRAVEL and coarse to fine SAND; moist; unsorted. 1.0 to 4.0 Feet: Brown SILT, little medium to fine 6.5 Sand, trace Clay; moist; stiff; staining and odors present at 4 feet. Duplicate Sample 12-17-08 S-1 38" collected at 14:30 195 4 5 4.0 to 5.7 Feet: Grey SILT, some Clay, little medium to fine sub-rounded Gravel; moist; stiff. *Bottom of Borehole at 5.7 Feet* 12-17-08 S-2 58 28" **Refusal encountered at 5.7 Feet** E:\BACK UP OF JD COMP\MTECH5\JamiesLogs\Sackets Harbor\SB-160.bor 8-

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only. artermed by headenane analysis methods with

ppm=parts-per-million Depths notedare approx.



Note: Bgs. = Below Ground Surface. Soil classifications are based on visual and manual field observations only.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL LLC : 12/17/08 DRILLING METHOD : Geoprobe DATE STARTED DATE COMPLETED : 12/17/08 RIG TYPE LOG OF BORING SB-162 LOGGED BY : J. Pentland TOTAL DEPTH : 6.1 Feet DRILLING COMPANY: SE, LLC APPOX. GW DEPTH: (Page 1 of 1) SAMPLING METHOD: Macro-Core NAME OF DRILLER: M. Kitts RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC Depth DATE MAX PID Core **DESCRIPTION** uscs in I.D. (feet) (ppm) 0.0 to 3.0 Feet: Dark Grey medium to fine sub-angular GRAVEL and coarse to fine Sand; moist; unsorted. 3.0 to 4.0 Feet: Grey SILT, some Clay, little 1.8 medium to fine sub-rounded Gravel; moist; stiff. 12-17-08 S-1 30" 48 3. Sample Collected 4.0 to 6.1 Feet: Similar Soil; petroleum odors noted. at 15:40 *Bottom of Borehole at 6.1 Feet* **Refusal encountered at 6.1 Feet** 12-17-08 190 S-2 5. 30" ENBACK UP OF JD COMPUNTECH5\JamiesLogs\Sackets Harbor\SB-162.bor 6 8-9.

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only.

ppm=parts-per-million Depths noted are approx.

	S					FEGIC ENTAL, LLC					_OCATIO	PROJECT N: Former A	Sackets Harbor NO.: 06-742 FMC Petroleum Terminal Sackets Harbor, NY
		NG C	PLETE Y OMP/	ED : 12	•	i Ind	DRILLING METHOD RIG TYPE TOTAL DEPTH APPOX. GW DEPTH SAMPLING METHOI	: : 5.2 Feet ! :			LO	G OF BC	Page 1 of 1)
ļ	Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	D	DESCRIPTION		Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
	2 - 3 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4		46"			sub-angular GRA moist; unsorted. 1.0 to 3.0 Feet: B dense. 3.0 to 4.0 Feet: C Sand, little Clay a Gravel; moist; sti	Grey SILT and coarse	e SAND; /; moist; e to fine b-rounded to fine		12-17-0	0.3	S-1	
BACK UP OF JD COMPWITECH5JamiesLogs\Sackeis Harbon\SB-163.bor	5- 6- 7- 8-	1111	20"			some petroleum *Bottom of Borel	AVÉL, little Clay; moist n odors noted. chole at 5.2 Feet* untered at 5.2 Feet**	r; stiff;	to par g	12-17-(1.6	S-2	

E	<u>,</u>			EGIC ENTAL LLC		L	OCATION	PROJECT N: Former A	Sackets Harbor NO.: 06-742 FMC Petroleum Terminal Sackets Harbor, NY
ATE START ATE COMP OGGED BY RILLING CO AME OF DE	LETE OMPA	D : 12. : J. I .NY : SE	Pentla :, LLC	RIG TYPE :	l		LOG	OF BC	Page 1 of 1)
epth in Connt	RECOVERY (inches)	nscs	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
2 3	35"			O.0 to 1.0 Feet: Dark Grey coarse to fine sub-angular GRAVEL and coarse to fine SAND; moist; unsorted. 1.0 to 3.0 Feet: Brown SILT, little coarse to fine Sand and Clay; moist; dense. 3.0 to 4.0 Feet: Light Brown SILT and coarse to fine GRAVEL, little Clay; moist; stiff.		12-17-0	0.8	S-1	
4 5 1000 1000 1000 1000 1000 1000 1000 10	30"			4.0 to 6.2 Feet: Similar Soil; petroleum odors evident; water table at approx. 4.5 feet. *Bottom of Borehole at 6.2 Feet* **Refusal encountered at 6.2 Feet*		12-17-1	DB ND	S-2	

S _E					TEGIC ENTAL LLC			Ļ	OCATIO	PROJECT N: Former A	Sackets Harbor F NO.: 06-742 AFMC Petroleum Termin Sackets Harbor, NY
DATE ST DATE CO LOGGED DRILLING NAME O	OMP O BY G C	LETE OMPA	D: 12 : J. I ANY: SE		nd	DRILLING METHOD: Geopro RIG TYPE: : 6.0 Fee APPOX. GW DEPTH: : SAMPLING METHOD: Macro-	t		LOC	G OF BC	Page 1 of 1)
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC		DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 1 2 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		24"			moist; unsorted.	Dark Grey coarse to fine AVEL and coarse to fine SAND; Grey SILT and coarse to fine AVEL, little Clay; moist; stiff.		12-17-08	ND	S-1	
5 6		24"			noted. *Bottom of Bore	Similar Soil; petroleum odors shole at 6.0 Feet* untered at 6.0 Feet**		12-17-0	8 1.3	S-2	·
6											

S _E	TED	ENVIR	5TRAT ONM /18/08	ENTAL, LLC	DRILLING METHOD : Geo	probe	LC	OCATION	PROJECT I: Former Al	Sackets Harbor NO.: 06-742 FMC Petroleum Terminal Sackets Harbor, NY
DATE COMP LOGGED BY DRILLING C	PLETE / OMPA	D : 12 : J. NY : SE	/18/08 Pentla E, LLC		RIG TYPE : TOTAL DEPTH : 7.1 F APPOX. GW DEPTH : SAMPLING METHOD : Mac	-eet		LOG	OF BO	RING SB-166 (Page 1 of 1)
Depth in (feet)	RECOVERY (inches)	R : M	GRAPHIC		DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 1 2 3 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	35"			SAND, some m Gravel; moist; u 1.0 to 4.0 Feet: some coarse to water table at a 4.0 to 7.1 Feet *Bottom of Bot	Light Brown SILT and CLAY, fine sub-angular Gravel; mois		12-18-08	ND ND	S-1	
5 10 8 9 10 Note: Bg	38"						12-18-0		S-2	
10-		elow Gr	ound S	Surface.		ppm=parts-p Depths note:				

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL LLC DRILLING METHOD : Geoprobe : 12/18/08 DATE STARTED LOG OF BORING SB-167 RIG TYPE DATE COMPLETED : 12/18/08 : 7.1 Feet TOTAL DEPTH : J. Pentland LOGGED BY APPOX. GW DEPTH: DRILLING COMPANY: SE, LLC (Page 1 of 1) SAMPLING METHOD: Macro-Core NAME OF DRILLER : M. Kitts RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC Depth DATE MAX PID Core **USCS** DESCRIPTION I.D. in (feet) (ppm) 0. 0.0 to 1.0 Feet: Dark Brown coarse to fine SAND and coarse to fine GRAVEL; moist; unsorted. 1.0 to 4.0 Feet: Light Brown SILT and CLAY, some coarse to fine sub-angular Gravel; moist. ND S-1 12-18-08 35" ND 4.0 to 7.1 Feet: Light Brown SILT and coarse to fine sub-angular GRAVEL, little Clay; moist; stiff. *Bottom of Borehole at 7.1 Feet* **Refusal encountered at 7.1 Feet** ND 12-18-08 S-2 24" ENBACK UP OF JD COMPUMTECHS/JamiesLogs\Sackets Harbor\SB-167.bor ND 10-

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only. ad by boadanage analysis methods with

ppm=parts-per-million Depths noted are approx.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL LLC DRILLING METHOD : Geoprobe DATE STARTED : 12/18/08 LOG OF BORING SB-168 RIG TYPE DATE COMPLETED : 12/18/08 TOTAL DEPTH : 8.5 Feet : J. Pentland LOGGED BY DRILLING COMPANY : SE, LLC APPOX. GW DEPTH : (Page 1 of 1) SAMPLING METHOD: Macro-Core NAME OF DRILLER: M. Kitts RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC Depth DATE MAX PID Core uscs **DESCRIPTION** 1.D. (feet) (ppm) 0. 0.0 to 4.0 Feet: Dark Brown coarse to fine SAND and coarse to fine GRAVEL, little Silt; ND 12-18-08 S-1 12" 4.0 to 8.0 Feet: Brown SILT and CLAY, little sub-angular Gravel; moist; dense. ND E:\BACK UP OF JD COMP\MTECH5\JamiesLogs\Sackets Harbor\SB-168.bor S-2 12-18-08 6-48" 2 بىلىيىلىيىلىيىل ND 8.0 to 8.5 Feet: Similar Soil. S-3 12-18-08 *Bottom of Borehole at 8.5 Feet* *Refusal encountered at 8.5 Feet** 10-

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only.

PID screening performed by headspace analysis methods with

ppm=parts-per-million

Depths noted are approx.

Depth of groundwater recorded on this log represents approx, depth at which saturated soil was encountered.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL LLC DRILLING METHOD : Direct Push : 1/13/09 DATE STARTED : Track Rig RIG TYPE DATE COMPLETED : 1/13/09 LOG OF BORING SB-169 : 6.7 Feet TOTAL DEPTH LOGGED BY : J. Pentland APPOX. GW DEPTH : DRILLING COMPANY: Paragon Environmental (Page 1 of 1) SAMPLING METHOD: Macro-Core NAME OF DRILLER : RECOVERY (inches) Depth of Change COMMENTS **Blow Count** GRAPHIC Depth DATE MAX PID Core uscs DESCRIPTION in I.D. (feet) (ppm) 0.0 to 4.0 Feet: Light Brown medium to fine SAND, trace Silt; wet; loose; water table at approx. 4.0 feet. 0.3 1-13-09 S-1 34" 0.2 Sample Collected 4.0 to 5.0 Feet: Similar Soil. at 14:13 5.0 to 6.7 Feet: Brown SILT, some Clay, trace medium to fine Sand; moist; stiff; dark staining from 6 to 6.7 feet; no noticeable petroleum odor. 5 *Bottom of Borehole at 6.7 Feet* 1-13-09 29.2 S-2 30" **Refusal encountered at 6.7 Feet** ENBACK UP OF JD COMP\MTECH5\JamiesLogs\Sackets Harbor\SB-169.bor 6 10-

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only. PID careening performed by headspace analysis methods with

ppm=parts-per-million Depths noted are approx.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL LLC DRILLING METHOD : Geoprobe : 12/18/08 DATE STARTED LOG OF BORING SB-170 RIG TYPE DATE COMPLETED : 12/18/08 : 7.0 Feet TOTAL DEPTH LOGGED BY : J. Pentland APPOX. GW DEPTH : (Page 1 of 1) DRILLING COMPANY: SE, LLC SAMPLING METHOD: Macro-Core NAME OF DRILLER : M. Kitts RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC DATE MAX PID Core Depth DESCRIPTION I.D. in (ppm) (feet) 0.0 to 0.5 Feet: TOPSOIL and ORGANIC MATTER. 0.5 to 1.5 Feet: Brown medium to fine SAND; ND moist. 1.5 to 4.0 Feet: Brown SILT and CLAY, some coarse to fine Gravel; moist; stiff. S-1 12-18-08 24" ND 4.0 to 7.0 Feet: Similar Soil. *Bottom of Borehole at 7.0 Feet*
Refusal encountered at 7.0 Feet ND 21 S-2 12-18-08 48" ENBACK UP OF JD COMPIMTECHSJamiesLogs\Sackets HarbonSB-170.bor 6 = 1 ND 9ppm=parts-per-million Note: Bgs. = Below Ground Surface.

Depths noted are approx.

soil was encountered

Depth of groundwater recorded on this log represents approx, depth at which

Soil classifications are based on visual and manual field observations only.

PID screening performed by headspace analysis methods with

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL, LLC Ambrose Street, Sackets Harbor, NY DATE STARTED : 12/18/08 DRILLING METHOD : Geoprobe DATE COMPLETED : 12/18/08 **RIG TYPE** LOG OF BORING SB-171 : 5.0 Feet LOGGED BY : J. Pentland TOTAL DEPTH DRILLING COMPANY: SE, LLC APPOX. GW DEPTH: (Page 1 of 1) NAME OF DRILLER : M. Kilts SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change **GRAPHIC** Depth DATE MAX PID Core **USCS DESCRIPTION** Blow (I.D. (feet) (ppm) 0-] 0.0 to 1.5 Feet: Coarse to fine SAND and coarse to fine GRAVEL, little Silt. 1.5 to 4.0 Feet: Brown SILT and CLAY, trace fine Gravel; moist; stiff. ND 12-18-08 S-1 36" ND 3-∄ 4.0 to 5.0 Feet: Similar Soil, some Gravel. ND 12-18-08 18" S-2 *Bottom of Borehole at 5.0 Feet* **Refusal encountered at 5.0 Feet** E:BACK UP OF JD COMPIMTECH5JamiesLogs\Sackets Harbor\SB-171.bor 6

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only.

STRATEGIC ENVIRONMENTAL LLC ATE STARTED : 1/13/09 ATE COMPLETED : 1/13/09				GIC NTAL LLC	DRILLING METHOD : Geoprobe RIG TYPE :			PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal Ambrose Street, Sackets Harbor, NY LOG OF BORING SB-172				
ATE COMPLETED : 1/13/09 OGGED BY : J. Pentland FILLING COMPANY : SE, LLC IAME OF DRILLER : M. Kilts					TOTAL DEPTH : 6.7 Feet APPOX. GW DEPTH : SAMPLING METHOD : Macro-C			(Page 1 of 1)				
opth in Blow Count	RECOVERY (inches)	uscs	GRAPHIC		DESCRIPTION	Depth of Change	DATE	MAX PID	Core I.D.	COMMENTS		
0 1 2 3 4 5 6 7 8 9 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30"	3"		GRAVEL, som moist; loose; to 2.0 to 4.0 Fee coarse to fine odors. 4.0 to 6.7 Fe sub-angular slightly plast	t: Medium to fine sub-angular te coarse to fine Sand, trace Silt; unsorted. It: Grey SILT, some Clay, little Sand; moist; heavy petroleum Set: Grey SILT and medium to fine GRAVEL, little Clay; moist; stiff; dic; heavy petroleum odors. Borehole at 6.7 Feet* Incountered at 6.7 Feet*		1-13-0		S-1	Sample Collected at 10:33		

Note: Bgs. = Below Ground Surface.
Soil classifications are based on visual and manual field observations only.

ppm=parts-per-million Depths noted are approx.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL LLC Ambrose Street, Sackets Harbor, NY : 1/13/09 DRILLING METHOD : Geoprobe DATE STARTED **RIG TYPE** DATE COMPLETED : 1/13/09 LOG OF BORING SB-173 LOGGED BY : J. Pentland TOTAL DEPTH : 6.7 Feet APPOX. GW DEPTH : DRILLING COMPANY: SE, LLC (Page 1 of 1) SAMPLING METHOD: Macro-Core NAME OF DRILLER : M. Kitts RECOVERY (inches) Depth of Change **Blow Count** GRAPHIC Depth DATE MAX PID Core USCS DESCRIPTION in I.D. (feet) (ppm) 0-0.0 to 4.0 Feet: Coarse to fine sub-angular GRAVEL, some coarse to fine Sand, little Silt; moist; unsorted; loose. 3.3 1-13-09 S-1 23" 2.7 Sample Collected 4.0 to 5.0 Feet: Similar Soil. at 11:56 5.0 to 6.7 Feet: Grey SILT and medium to fine sub-angular GRAVEL, little Clay; moist; petroleum odors. *Bottom of Borehole at 6.7 Feet* 1-13-09 109 S-2 33" **Refusal encountered at 6.7 Feet** E:\BACK UP OF JD COMP\MTECH5\JamiesLogs\Sackets Harbor\SB-173.bor 6

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL LLC DRILLING METHOD : Geoprobe DATE STARTED : 1/13/09 LOG OF BORING SB-174 **RIG TYPE** DATE COMPLETED : 1/13/09 : 6.8 Feet TOTAL DEPTH LOGGED BY : J. Pentland APPOX. GW DEPTH : (Page 1 of 1) DRILLING COMPANY: SE, LLC SAMPLING METHOD: Macro-Core NAME OF DRILLER : M. Kitts RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC DATE MAX PID Core Depth DESCRIPTION uscs I.D. (ppm) (feet) 0-0.0 to 1.0 Feet: Brown SILT and medium to fine sub-angular GRAVEL, some coarse to fine Sand; moist; loose. 1.0 to 4.0 Feet: Brown SILT, some Clay, little fine 0.4 Sand; moist; plastic. 1-13-09 S-1 43" 0.1 4 5 6 Juntumpuntani 4.0 to 5.0 Feet: Similar Soil. 5.0 to 6.8 Feet: Brown SILT and coarse to fine sub-angular GRAVEL, little Clay; moist; unsorted; slightly plastic. S-2 1-13-09 0.4 *Bottom of Borehole at 6.8 Feet* 36" **Refusal encountered at 6.8 Feet** E:\BACK UP OF JD COMP\MTECH5\JamiesLogs\Sackets Harbor\SB-174.bor 8

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only. creening performed by headspace analysis methods with

ppm=parts-per-million Depths noted are approx.

S	SE STRATEGIC ENVIRONMENTAL LLC								PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal Ambrose Street, Sackets Harbor, NY			
DATE LOGGI	DATE STARTED : 1/13/09 DATE COMPLETED : 1/13/09 LOGGED BY : J. Pentland DRILLING COMPANY : SE, LLC NAME OF DRILLER : M. Kitts					DRILLING METHOD: Geoprobe RIG TYPE: d TOTAL DEPTH: 5.8 Feet APPOX. GW DEPTH: SAMPLING METHOD: Macro-Core			LOC	ORING SB-175 (Page 1 of 1)		
Depth in (feet)	Blow Count	RECOVERY (inches)	nscs	GRAPHIC	DESCRIPTION			Depth of Change	DATE	E MAX PID (ppm)	Core I.D.	COMMENTS
2-		20"			0.0 to 4.0 Feet: 0 GRAVEL and co moist; loose; uns	Coarse to fine sub-angu arse to fine Brown SAN sorted.	lar D;		1-13-0	ND	S-1	
5-		28"			sub-angular GR	Brown SILT and coarse AVEL, little Clay; moist;	to fine dense.		1-13-(09 ND	S-2	
3ACK UP OF JD COMPIMI ECHSUlamiesLogs/backets narochab-173.007												

Note: Bgs. = Below Ground Surface.
Soil classifications are based on visual and manual field observations only.

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s only. Dept

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL LLC : Geoprobe DRILLING METHOD DATE STARTED : 1/13/09 LOG OF BORING SB-176 RIG TYPE DATE COMPLETED : 1/13/09 : 6.2 Feet TOTAL DEPTH : J. Pentland LOGGED BY APPOX. GW DEPTH : (Page 1 of 1) DRILLING COMPANY: SE, LLC SAMPLING METHOD: Macro-Core NAME OF DRILLER : M. Kitts RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC Core MAX PID DATE Depth DESCRIPTION I.D. in (ppm) (feet) 0-0.0 to 3.0 Feet: Dark Brown coarse to fine SAND and medium to fine sub-angular GRAVEL; moist; unsorted. 3.0 to 4.0 Feet: Brown SILT, some Clay, little medium to fine sub-angular Gravel; moist; ND petroleum odors near 4 feet. S-1 1-13-09 30" 0.9 4.0 to 6.2 Feet: Similar Soil; strong petroleum odors. *Bottom of Borehole at 6.2 Feet* **Refusal encountered at 6.2 Feet** S-2 1-13-09 220 5-26" E:\BACK UP OF JD COMP\MTECH5\JamiesLogs\Sackets Harbon\SB-176.bor 6 10-

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only. porformed by headsnace analysis methods with

ppm=parts-per-million Depths noted are approx.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL LLC DRILLING METHOD : Direct Push DATE STARTED : 1/13/09 : Track Rig **RIG TYPE** DATE COMPLETED : 1/13/09 LOG OF BORING SB-177 : 5.1 Feet LOGGED BY : J. Pentland TOTAL DEPTH DRILLING COMPANY: Paragon Environmental APPOX. GW DEPTH : (Page 1 of 1) SAMPLING METHOD: Macro-Core NAME OF DRILLER : RECOVERY (inches) Depth of Change COMMENTS Count GRAPHIC Depth DATE MAX PID Core DESCRIPTION uscs I.D. (feet) (ppm) 0. 0.0 to 0.5 Feet: Brown medium to fine SAND, little Silt; moist; loose. 0.5 to 1.5 Feet: Coarse to fine sub-rounded GRAVEL, some medium to fine Sand; moist; ND unsorted. 1.5 to 4.0 Feet: Brown SILT, little fine Sand and Clay; moist; stiff. S-1 1-13-09 42" ND 4.0 to 5.1 Feet: Brown SILT and coarse to fine sub-angular GRAVEL, little fine Sand; moist; ND S-2 1-13-09 24" unsorted. *Bottom of Borehole at 5.1 Feet* *Refusal encountered at 5.1 Feet** ENBACK UP OF JD COMPUMTECH5\JamiesLogs\Sackets Harbor\SB-177.bor 6-10-

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only.

ppm=parts-per-million Depths noted are approx.

corded on this log represents approx, death at which

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL LLC DRILLING METHOD : Direct Push : 1/13/09 DATE STARTED LOG OF BORING SB-178 : Track Rig RIG TYPE DATE COMPLETED : 1/13/09 : 5.5 Feet TOTAL DEPTH : J. Pentland LOGGED BY DRILLING COMPANY: Paragon Environmental APPOX. GW DEPTH : (Page 1 of 1) SAMPLING METHOD: Macro-Core NAME OF DRILLER : RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC Core DATE MAX PID Depth DESCRIPTION I.D. uscs in (ppm) (feet) 0. 0.0 to 0.5 Feet: Brown medium to fine SAND, trace Silt; moist; loose. 0.5 to 1.0 Feet: Coarse to fine sub-rounded GRAVEL, some medium to fine Sand; moist; ND unsorted. 1.0 to 4.0 Feet: Brown SILT, little fine Sand and Clay; moist; stiff. S-1 1-13-09 38" ND 4.0 to 5.5 Feet: Similar Soil. *Bottom of Borehole at 5.5 Feet* S-2 ND 1-13-09 **Refusal encountered at 5.5 Feet** 18" 5-ENBACK UP OF JD COMPIMTECH5JamiesLogs\Sackets Harbor\SB-178.bor 9. 10-

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only. PID screening performed by headspace analysis methods with

ppm=parts-per-million

Depths noted are approx.

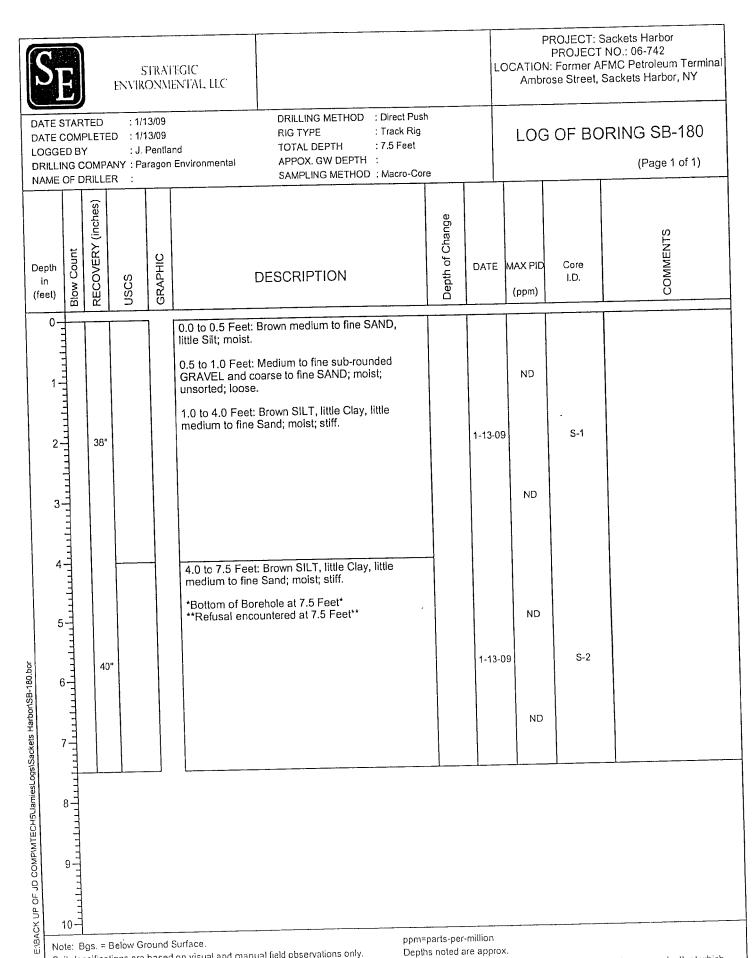
PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL LLC DRILLING METHOD : Direct Push : 1/13/09 LOG OF BORING SB-179 DATE STARTED : Track Rig RIG TYPE DATE COMPLETED : 1/13/09 TOTAL DEPTH : 5.8 Feet : J. Penlland LOGGED BY APPOX. GW DEPTH: (Page 1 of 1) DRILLING COMPANY: Paragon Environmental SAMPLING METHOD: Macro-Core NAME OF DRILLER : RECOVERY (inches) Depth of Change COMMENTS Count GRAPHIC Core DATE MAX PID Depth DESCRIPTION I.D. nscs in (ppm) (feet) 0.0 to 4.0 Feet: Brown SILT and CLAY, trace 0medium to fine Sand; moist; plastic. ND S-1 1-13-09 44" ND Sample Collected 4.0 to 5.8 Feet: Brown and Grey SILT, little coarse to fine sub-angular Gravel, little fine at 11:17 Sand; moist; stiff; unsorted. 1-13-09 0.4 S-2 *Bottom of Borehole at 5.8 Feet* 23" 2 **Refusal encountered at 5.8 Feet** E:BACK UP OF JD COMPIMTECH5\JamiesLogs\Sackets Harbon\SB-179.bor 6 8-9 10

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only. diw shorten sisyland again,

ppm=parts-per-million Depths noted are approx.

Depth of groundwater recorded on this log represents approx, depth at which



Soil classifications are based on visual and manual field observations only.

PID screening performed by headspace analysis methods with the 40 c eV lamp, calibrated to 100 nom isobutylene/air. ppm=parts-per-million Depths noted are approx.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL, LLC Ambrose Street, Sackets Harbor, NY DRILLING METHOD : Direct Push DATE STARTED : 1/13/09 DATE COMPLETED : 1/13/09 RIG TYPE : Track Rig LOG OF BORING SB-181 LOGGED BY : J. Pentland TOTAL DEPTH : 8.7 Feet DRILLING COMPANY: Paragon Environmental APPOX. GW DEPTH : (Page 1 of 1) NAME OF DRILLER : SAMPLING METHOD: Macro-Core RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC Depth DATE MAX PID Core **USCS** DESCRIPTION in I.D. (feet) (ppm) 0. 0.0 to 4.0 Feet: Brown SILT, some Clay; moist; ND 46" Sample Collected 1-13-09 S-1 at 11:57 ND 4.0 to 8.7 Feet: No Recovery-macro-core jammed *Bottom of Borehole at 8.7 Feet* 9 1 **Refusal encountered at 8.7 Feet** ENBACK UP OF JD COMPIMTECH5\JamiesLogs\Sackets Harbor\SB-181.bor 7 8 ND 9-

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only. PID screening performed by headspace analysis methods with

ppm=parts-per-million Depths noted are approx.

Depth of groundwater recorded on this log represents approx, depth at which

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL, LLC DRILLING METHOD : Direct Push : 1/13/09 LOG OF BORING SB-182 DATE STARTED : Track Rig RIG TYPE DATE COMPLETED : 1/13/09 : 6.5 Feet TOTAL DEPTH : J. Pentland LOGGED BY (Page 1 of 1) APPOX. GW DEPTH : DRILLING COMPANY: Paragon Environmental SAMPLING METHOD : Macro-Core NAME OF DRILLER : RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC DATE MAX PID Core Depth **DESCRIPTION** uscs in (ppm) (feet) 0.0 to 4.0 Feet: Dark Brown SILT, some Clay, 0 little fine Sand; moist; stiff. ND S-1 1-13-09 46" 2 ND 4.0 to 6.5 Feet: Similar Soil; very stiff. *Bottom of Borehole at 6.5 Feet* **Refusal encountered at 6.5 Feet** S-2 ND 1-13-09 ENBACK UP OF JD COMPIMTECH5UamiesLogs\Sackets Harbor\SB-182.bor 6 7 8-9. 10ppm=parts-per-million

Depths noted are approx.

caturated soil was encountered.

Depth of groundwater recorded on this log represents approx, depth at which

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only.

PID screening performed by headspace analysis methods with

PROJECT: Sackets Harbor PROJECT NO.: 06-742 STRATEGIC LOCATION: Former AFMC Petroleum Terminal ENVIRONMENTAL LLC Ambrose Street, Sackets Harbor, NY DATE STARTED DRILLING METHOD : Direct Push : 1/13/09 DATE COMPLETED : 1/13/09 **RIG TYPE** : Track Rig LOG OF BORING SB-183 LOGGED BY : J. Pentland TOTAL DEPTH : 5.6 Feet **DRILLING COMPANY: Paragon Environmental** APPOX. GW DEPTH : NAME OF DRILLER : SAMPLING METHOD: Macro-Core (Page 1 of 1) RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC Depth DATE MAX PID USCS Core in DESCRIPTION I.D. (feet) (ppm) 0. 0.0 to 4.0 Feet: Coarse to fine sub-angular GRAVEL and coarse to fine SAND, trace Silt; moist; loose; unsorted. 12" 1-13-09 0.5 S-1 Sample Collected 4.0 to 5.6 Feet: Brown and Grey SILT, some medium to fine sub-angular Gravel, little Clay; moist; dense; staining and heavy odors from 5 at 13:26 to 5.6 feet. 12" 1-13-09 73.6 S-2 *Bottom of Borehole at 5.6 Feet* **Refusal encountered at 5.6 Feet** E:\BACK UP OF JD COMP\MTECH5\JamiesLogs\Sackets Harbor\SB-183.bor 6-9 10.

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only. PID screening performed by headspace analysis methods with MiniRae Model 2000 with 10.6 eV lamp, calibrated to 100 ppm isobutylene/air. ppm=parts-per-million Depths noted are approx.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal Ambrose Street, Sackets Harbor, NY STRATEGIC ENVIRONMENTAL LLC DRILLING METHOD : Direct Push : 1/13/09 DATE STARTED LOG OF BORING SB-184 : Track Rig RIG TYPE DATE COMPLETED : 1/13/09 : 5.8 Feet TOTAL DEPTH : J. Pentland LOGGED BY APPOX. GW DEPTH : (Page 1 of 1) DRILLING COMPANY: Paragon Environmental SAMPLING METHOD: Macro-Core NAME OF DRILLER : RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC DATE MAX PID Core Depth **DESCRIPTION** 1.D. **USCS** (ppm) (feet) 0.0 to 4.0 Feet: Brown SILT and some Brown CLAY, trace fine Sand; moist; stiff. 1.8 Sample Collected 1-13-09 S-1 46" at 14:19 8.0 4 17111111111 4.0 to 5.8 Feet: Brown SILT and medium to fine sub-rounded GRAVEL, little coarse to fine Sand; moist; very stiff. 1-13-09 0.3 S-2 *Bottom of Borehole at 5.8 Feet* 38" **Refusal encountered at 5.8 Feet** ENBACK UP OF JD COMPIMTECH5JamiesLogs\Sackets Harbon\SB-184.bor 6 8. 9. 10

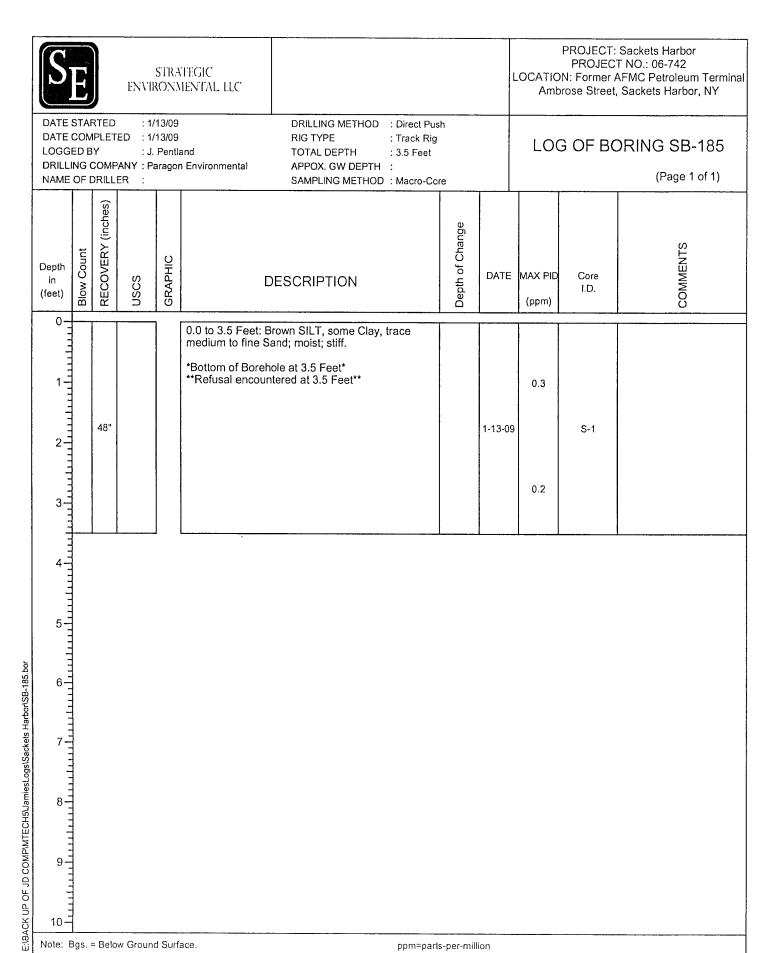
Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only. PID screening performed by headspace analysis methods with

MiniRae Model 2000 with 10.6 eV lamp, calibrated to 100 ppm isobutylene/air.

ppm=parts-per-million

Depths noted are approx.



Soil classifications are based on visual and manual field observations only. PID screening performed by headspace analysis methods with

MiniRae Model 2000 with 10.6 eV lamp, calibrated to 100 ppm isobutylene/air.

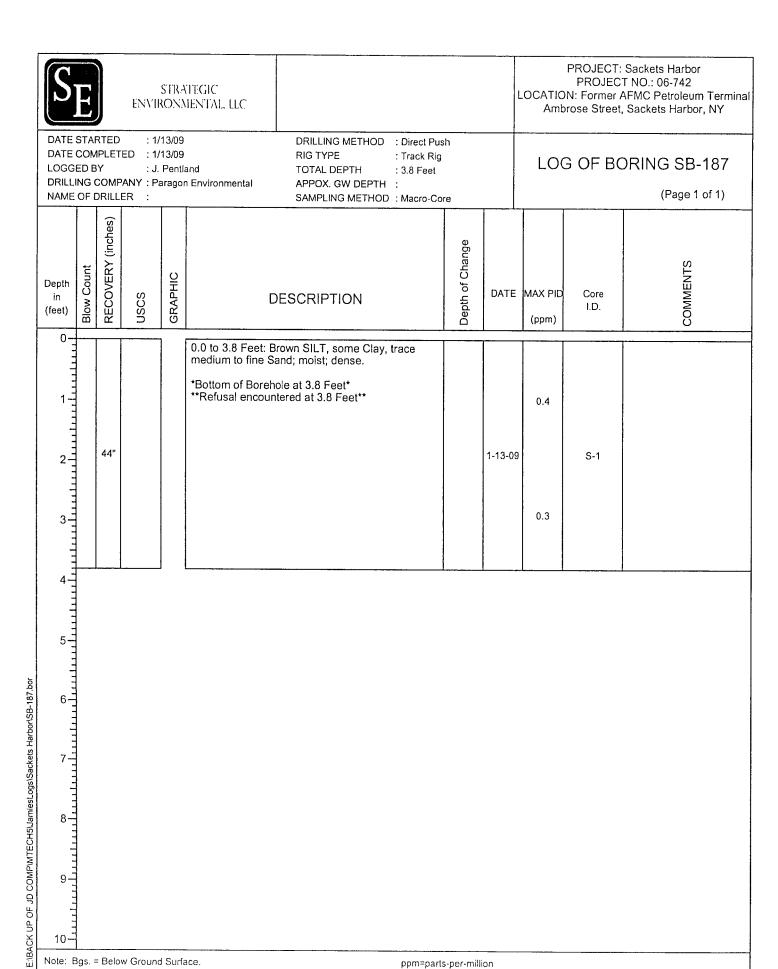
ppm=parts-per-million Depths noted are approx.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL LLC : Direct Push DRILLING METHOD : 1/13/09 DATE STARTED : Track Rig RIG TYPE DATE COMPLETED : 1/13/09 LOG OF BORING SB-186 TOTAL DEPTH : 3.5 Feet LOGGED BY : J. Pentland DRILLING COMPANY: Paragon Environmental APPOX. GW DEPTH : (Page 1 of 1) SAMPLING METHOD: Macro-Core NAME OF DRILLER : RECOVERY (inches) Depth of Change COMMENTS **Blow Count** GRAPHIC Depth DATE MAX PID Core USCS **DESCRIPTION** in I.D. (feet) (ppm) 0 0.0 to 1.5 Feet: Brown SILT, little Clay; moist; 1.5 to 3.5 Feet: Brown SILT and coarse to fine sub-angular GRAVEL; moist. *Bottom of Borehole at 3.5 Feet* **Refusal encountered at 3.5 Feet** S-1 1-13-09 55.6 30" Sample Collected 3 at 14:55 E:\BACK UP OF JD COMP\MTECH5\Damies\Logs\Sackets Harbor\SB-186.bor 10

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only. PID screening performed by headspace analysis methods with

-09-2009 MiniRae Model 2000 with 10.6 eV lamp, calibrated to 100 ppm isobutylene/air. ppm=parts-per-million Depths noted are approx.



Soil classifications are based on visual and manual field observations only. PID screening performed by headspace analysis methods with

MiniRae Model 2000 with 10.6 eV lamp, calibrated to 100 ppm isobutylene/air.

ppm=parts-per-million

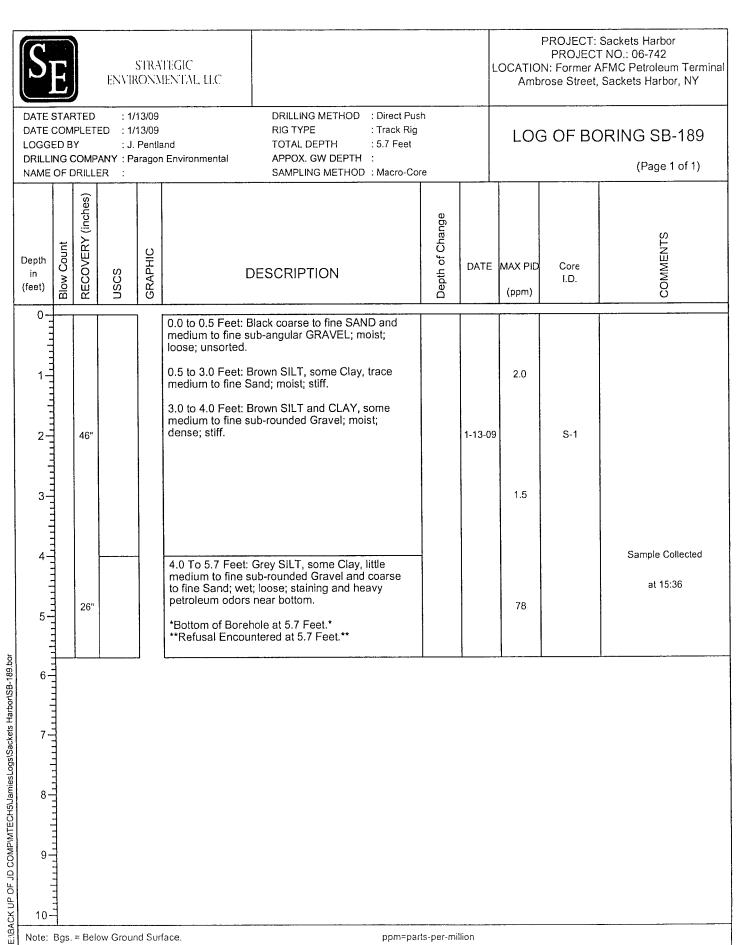
Depths noted are approx.

PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal STRATEGIC Ambrose Street, Sackets Harbor, NY ENVIRONMENTAL LLC DRILLING METHOD : Direct Push : 1/13/09 DATE STARTED LOG OF BORING SB-188 RIG TYPE : Track Rig DATE COMPLETED : 1/13/09 TOTAL DEPTH : 4.0 Feet : J. Pentland LOGGED BY APPOX. GW DEPTH : DRILLING COMPANY: Paragon Environmental (Page 1 of 1) SAMPLING METHOD: Macro-Core NAME OF DRILLER : RECOVERY (inches) Depth of Change COMMENTS Blow Count GRAPHIC Depth DATE MAX PID Core **DESCRIPTION USCS** I.D. (feet) (ppm) 0.0 to 4.0 Feet: Brown SILT, some Clay; moist; very stiff. *Bottom of Borehole at 4.0 Feet* 0.2 **Refusal encountered at 4.0 Feet** S-1 Sample Collected 1-13-09 46" 311 at 15:01 0.3 ENBACK UP OF JD COMPIMTECH5\JamiesLogs\Sackets Harbor\SB-188.bor 10-

Note: Bgs. = Below Ground Surface.

Soil classifications are based on visual and manual field observations only. PID screening performed by headspace analysis methods with

1-09-2009 MiniRae Model 2000 with 10.6 eV lamp, calibrated to 100 ppm isobutylene/air. ppm=parts-per-million Depths noted are approx.



Soil classifications are based on visual and manual field observations only. PID screening performed by headspace analysis methods with

MiniRae Model 2000 with 10.6 eV lamp, calibrated to 100 ppm isobulylene/air.

ppm=parts-per-million

Depths noted are approx.

APPENDIX B COMMUNITY AIR MONITORING PLAN

COMMUNITY AIR MONITORING PLAN INTERIM REMEDIAL MEASURES FORMER AFMC, INC. PETROLEUM BULK STORAGE FACILITY AMBROSE STREET, SACKETS HARBOR, NEW YORK

NYSDEC ENVIRONMENTAL RESTORATION PROJECT SITE NUMBER E-623014

The following establishes the air monitoring and action levels that are proposed to be incorporated into Strategic Environmental, LLC's Interim Remedial Measures (IRM) activities at the former AFMC, Inc. petroleum bulk storage terminal facilities located on Ambrose Street in the Village of Sackets Harbor, Jefferson County, New York. These provisions are intended to monitor and document concentrations of target contaminants in air within and downwind of the work site during IRM activities, and are intended to be incorporated into the Proposed Remedial Work Plan by reference.

Although it is not expected that the proposed IRM activities will create a significant threat of exposure to the local community, given the minimal degree of contamination documented during the remedial investigation; the limited nature of proposed excavation activities; and the considerable distance between the proposed work area and neighboring receptors; monitoring of air quality at the downwind perimeter of the work zones will be conducted, to confirm and document that the investigation activities do not result in migration of target airborne contaminants to the off-site downwind community.

A. IRM Excavations – South Terminal

During excavation activities, the worker breathing zones will be continuously monitored for airborne VOC and particulate matter, using a portable PID equipped with a 10.6 lamp (VOC) and a real-time aerosol monitoring (particulates). Concentrations of these analytes will also be recorded at an upwind location prior to and at periodic times during the excavation work, to establish local background levels.

In the event that VOC concentrations in the breathing zones are recorded to be sustained at or above 5 ppm for a period of 5 minutes or more, if measurable airborne particulates less than 10 microns in size are recorded at average concentrations at or above 100 micrograms per cubic meter (mg/m³) more than upwind background levels over a fifteen (15) minute period, or if visible airborne dust is observed leaving the work area, work will be discontinued and provisions for upgrades of personal protective equipment and/or other site controls will be evaluated and implemented, as warranted.

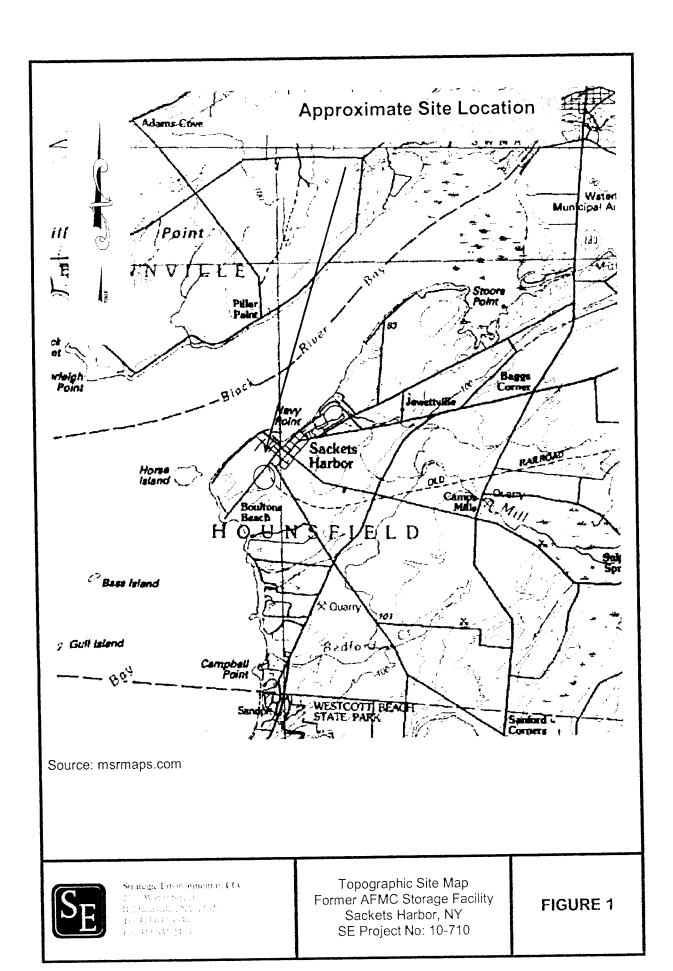
In addition to worker breathing zone monitoring, VOC and particulate concentrations at the downwind fringe of the work zone, will be performed on a

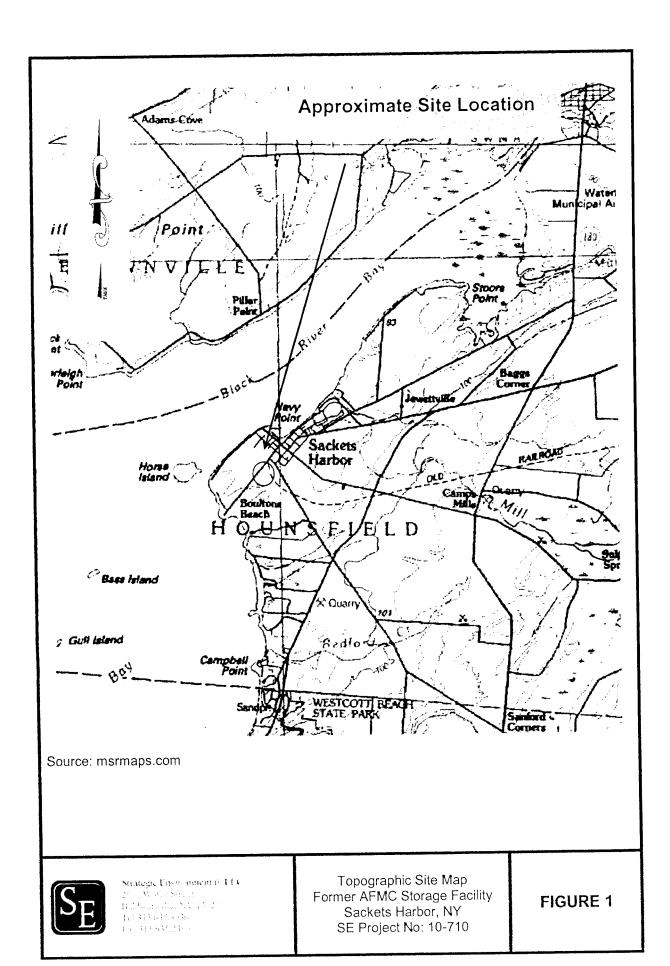
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real-time basis throughout the work periods. VOC monitoring will be conducted with the portable PID, and particulate monitoring will be performed using a real-time aerosol monitor.

If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m³) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m³ above the upwind level and provided that no visible dust is migrating from the work area.

If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 (mcg/m³) above the upwind level, work will be stopped and a re-evaluation of activities will be initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 (mcg/m³) of the upwind level and in preventing visible dust migration.







25 ½ Water Street Baldwinsville, New York 13027 (315) 635-8936