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June 24, 2010

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

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,
STRATEGIC ENVIRONMENTAL, LLC

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

CC: 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

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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 petroleum-related 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.

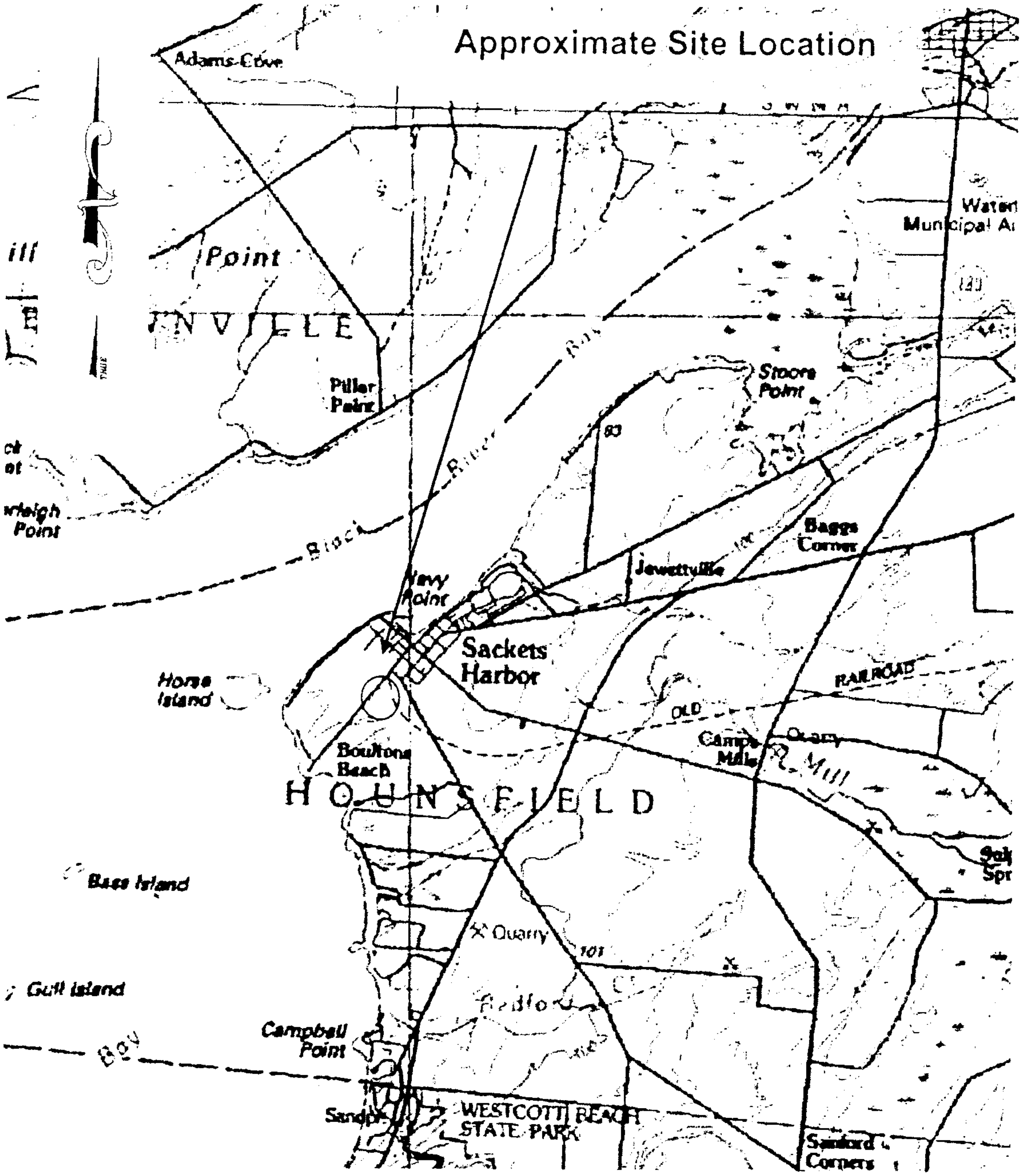
Soil samples will be submitted for laboratory analysis of VOCs by EPA Method 8260 plus TICs. Samples will be submitted to a NYSDOH certified laboratory. NYSDEC ASP Category B deliverables will be provided and the data will be reviewed by an independent data validator.

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.



Source: msrmaps.com

Strategic Environmental LLC
[illegible]

Topographic Site Map
Former AFMC Storage Facility
Sackets Harbor, NY
SE Project No: 10-710

FIGURE 1

TABLE 1 - Soil Sampling Results - South Terminal

			AOC 2 - Former Valve House Area - South Terminal													
						TBR							TBR	TBR	TBR	
Analyses	**Track 1 Unrestricted Use (ppm)**	**Track 2 Residential Use (ppm)**	**B-18**	**B-20**	**B-67**	**B-76**	**B-80**	**B-84**	**B-88**	**B-89**	**B-109**	**B-114**	**B-117**	**B-126**	**B-189**	**MW-101**
Sample Depth (ft)			6.1	6.5	7	5.3-5.8	5.8-6.3	6.5-7	6.0-6.6	6.0-6.6	7-7.3	7.3-7.8	5.7-6.0	5.8-6.2	4-5.7	4-6.7
PID Reading (ppm)			1131	153	314	858	114	435	1722	445	264	193	246	659	78	5.5
SM18 2540B			93	92	90	93	74	79	80	92	91	73	91	92		
6010 (Lead) (mg/Kg)	**63**	**400**	3.3	2.3	4.1	3.3	6.8	6.9	5.9	2.3	2.3	7.3	2.60	2.60	4.8	13
8260 (mg/kg)																
1,1,1,2-tetrachloroethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	**0.68**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	**0.27**	**19**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	**0.33**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloropropene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-trichlorobenzene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-trichloropropane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trimethylbenzene	**3.6**	**47**	9.56	0.416	17.3	13.2	26.2	ND	8.59	7.97	0.64	11.6	16.6	93.5	17	0.0035
1,2-dibromo-3-chloropropane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dibromoethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	**1.1**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	**0.02**	**2.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-trimethylbenzene	**8.4**	**47**	3.14	0.169	5.99	5.37	9.73	ND	2.74	2.06	0.305	ND	5.91	29.4	6.7	0.0026
1,3-dichlorobenzene	**2.4**	**17**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichloropropane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	**1.8**	**9.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-dichloropropane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chlorotoluene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorotoluene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-isopropyltoluene			0.34	ND	1.43	0.87	1.5	0.308	1.41	1.07	0.119	ND	0.989	4.55	0.018	ND
4-methyl-2-pentanone			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acetone	**0.05**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acrylonitrile			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzene	**0.06**	**2.9**	ND	ND	ND	ND	ND	0.106	ND	ND	ND	ND	ND	ND	0.012	ND
bromobenzene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromochloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon disulfide			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	**0.76**	**1.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	**1.1**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	**0.37**	**10**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	**0.25**	**59**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	**0.19**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromomethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dichlorodifluoromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	**1**	**30**	0.975	0.163	1.53	1.18	3.62	1.16	9.59	4.04	0.13	0.63	3.67	19.5	0.16	0.00076
hexachlorobutadiene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
iodomethane (methyl iodide)			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
isopropylbenzene			0.394	ND	0.807	ND	1.73	0.199	2.56	1.05	ND	0.999	0.736	3.49	0.013	ND
methylene chloride	**0.05**	**51**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
mtbe	**0.93**	**62**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-butylbenzene	**12**	**100**	0.922	ND	2.56	1.01	3.27	0.771	1.9	0.985	0.108	3.4	1.53	6	0.017	ND
n-propylbenzene	**3.9**	**100**	1.29	ND	2.04	0.938	5.5	0.396	3.61	1.64	0.132	2.09	2.71	13.1	0.4	ND
naphthalene			2.32	0.168	2.49	1.7	4.19	1.32	3.08	2.33	0.162	10.6	3.94	22.9	8	0.0067
sec-butylbenzene	**11**	**100**	0.401	ND	0.902	0.274	1.37	0.325	0.825	0.572	ND	1.43	0.492	2.48	0.0077	ND
styrene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-butyl alcohol			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-butylbenzene	**5.9**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	**1.3**	**5.5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
toluene	**0.7**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00071	ND
trans-1,2-dichloroethene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-dichloro-2-butene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	**0.47**	**10**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichlorofluoromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
vinyl acetate			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
vinyl chloride	**0.02**	**0.21**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
xylene, m+p			7.14	0.535	3.28	7.28	15.4	ND	6.78	2.51	0.149	0.54	15.8	103	20	ND
xylene, o			ND	ND	ND	ND	ND	ND	0.563	0.12	ND	ND	ND	ND	0.003	ND
xylenes total	**0.26**	**100**	7.14	0.535	3.28	7.28	15.4	ND	7.343	2.63	0.149	0.54	15.8	103	20.37	ND
Total VOC			26.482	1.451	38.329	31.822	72.51	4.585	41.648	24.347	1.745	31.289	52.377	297.92	52.69841	0.01356
8270																
Acenaphthene	**20**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.15	ND	ND	0.31	ND
Acenaphthylene	**100**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.051	ND
Anthracene	**100**	**100**	ND	ND	0.0584	ND	ND	ND	ND	ND	ND	1.16	ND	ND	ND	ND
Benzo[a]anthracene	**1**	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	**1**	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	**1**	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	**100**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	**0.8**	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	**1**	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene	**0.33**	**0.33**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	**100**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	**30**	**100**	ND	ND	0.482	0.457	ND	ND	ND	ND	ND	3.88	0.176	1.6	0.6	ND
Indeno[1,2,3-cd]pyrene	**0.5**	**0.5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	**12**	**100**	0.145	0.142	1.39	2.42	0.22	ND	0.33	0.356	ND	4.5	1.95	19.3	4.8	ND
Phenanthrene	**100**	**100**	ND	ND	0.544	0.781	ND	ND	ND	ND	ND	17.3	0.271	2.5	1.4	ND
Pyrene	**100**	**100**	ND	ND	0.121	ND	ND	ND	ND	ND	ND	1.44	ND	ND	0.062	ND
Total sVOC			0.145	0.142	2.5954	3.658	0.22	ND	0.33	0.356	ND	31.43	2.397	23.4	7.223	ND

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
* E - indicates value exceeded laboratory instrument calibration range
* J - analyte detected below the PQL
TICs - Tentatively Identified Compounds
orange-shaded cells indicates target compound concentrations exceeding unrestricted use requirements
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

TABLE 1 - Soil Sampling Results - South Terminal

			AOC 4 - Loading Rack #3 Area - South Terminal							AOC 5 - Loading Rack #4 - South Terminal
Analyses	Track 1 Unrestricted Use (ppm)	Track 2 Residential Use (ppm)	MW-103	B-158	SB-159	B-160	Dup. 2	B-173	B-176	B-162
Sample Depth (ft)			4-6.5	2-4	0-2.4	0-4		4-6.7	4-6.2	4-6.1
PID Reading (ppm)				63	183	195		109	220	190
SM18 2540B										
6010 (Lead) (mg/Kg)	63	400	3.7	5.5	67	47	31	5.1	3.4	5.7
8260 (mg/kg)										
1,1,1,2-tetrachloroethane			ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	0.68	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane			ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane			ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	0.27	19	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	0.33	100	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloropropene			ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-trichlorobenzene			ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-trichloropropane			ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene			ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trimethylbenzene	3.6	47	ND	0.017	6	0.031	0.03	0.072	0.0011	1.2
1,2-dibromo-3-chloropropane			ND	ND	ND	ND	ND	ND	ND	ND
1,2-dibromoethane			ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.1	100	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	0.02	2.3	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane			ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-trimethylbenzene	8.4	47	ND	0.027	4	0.058	0.1	0.037	ND	0.47
1,3-dichlorobenzene	2.4	17	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichloropropane			ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	1.8	9.8	ND	ND	ND	ND	ND	ND	ND	ND
2,2-dichloropropane			ND	ND	ND	ND	ND	ND	ND	ND
2-butanone			ND	ND	ND	ND	ND	ND	ND	ND
2-chlorotoluene			ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone			ND	ND	ND	ND	ND	ND	ND	ND
4-chlorotoluene			ND	ND	ND	ND	ND	ND	ND	ND
4-isopropyltoluene			ND	0.019	0.29	0.036	0.028	0.0021	0.0059	0.15
4-methyl-2-pentanone			ND	ND	ND	ND	ND	ND	ND	ND
acetone	0.05	100	ND	ND	0.12	ND	ND	ND	ND	ND
acrylonitrile			ND	ND	ND	ND	ND	ND	ND	ND
benzene	0.06	2.9	ND	ND	ND	ND	ND	ND	ND	0.013
bromobenzene			ND	ND	ND	ND	ND	ND	ND	ND
bromochloromethane			ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane			ND	ND	ND	ND	ND	ND	ND	ND
bromoform			ND	ND	ND	ND	ND	ND	ND	ND
bromomethane			ND	ND	ND	ND	ND	ND	ND	ND
carbon disulfide			ND	ND	ND	0.0016	ND	ND	ND	ND
carbon tetrachloride	0.76	1.4	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	1.1	100	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane			ND	ND	ND	ND	ND	ND	ND	ND
chloroform	0.37	10	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane			ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	0.25	59	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	0.19	100	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane			ND	ND	ND	ND	ND	ND	ND	ND
dibromomethane			ND	ND	ND	ND	ND	ND	ND	ND
dichlorodifluoromethane			ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	1	30	ND	ND	0.011	ND	ND	0.0039	ND	0.026
hexachlorobutadiene			ND	ND	ND	ND	ND	ND	ND	ND
iodomethane (methyl iodide)			ND	ND	ND	ND	ND	ND	ND	ND
isopropylbenzene			ND	ND	0.017	0.0027	0.012	0.0047	ND	0.085
methylene chloride	0.05	51	ND	ND	ND	0.0063	ND	ND	ND	0.054
mtbe	0.93	62	ND	ND	ND	ND	ND	ND	ND	ND
n-butylbenzene	12	100	ND	0.014	0.13	0.0085	0.031	0.0067	0.012	0.21
n-propylbenzene	3.9	100	ND	ND	0.028	0.0037	0.015	0.012	0.0015	0.17
naphthalene			ND	ND	1.1	U	0.12	0.04	0.012	1.4
sec-butylbenzene	11	100	ND	0.0043	0.095	0.011	0.027	0.0049	0.015	0.19
styrene			ND	ND	ND	ND	ND	ND	ND	ND
t-butyl alcohol			ND	ND	0.032	ND	ND	ND	ND	ND
tert-butylbenzene	5.9	100	ND	ND	ND	0.0094	0.0056	ND	0.0032	0.017
tetrachloroethene	1.3	5.5	ND	ND	ND	ND	ND	ND	ND	ND
toluene	0.7	100	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene			ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene			ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-dichloro-2-butene			ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	0.47	10	ND	ND	ND	ND	ND	ND	ND	ND
trichlorofluoromethane			ND	ND	ND	ND	ND	ND	ND	ND
vinyl acetate			ND	ND	ND	ND	ND	ND	ND	ND
vinyl chloride	0.02	0.21	ND	ND	ND	ND	ND	ND	ND	ND
xylene, m+p			ND	ND	0.11	ND	ND	0.021	ND	ND
xylene, o			ND	ND	0.024	ND	ND	ND	ND	ND
xylenes total	0.26	100	ND	ND	0.134	ND	ND	0.021	ND	ND
Total VOC			ND	0.0813	11.957	0.1682	0.3686	0.2043	0.0507	3.985
8270										
Acenaphthene	20	100	ND	ND	U	ND	ND	1.4	ND	ND
Acenaphthylene	100	100	ND	ND	U	ND	ND	ND	ND	ND
Anthracene	100	100	ND	ND	U	ND	ND	ND	ND	ND
Benzo[a]anthracene	1	1	ND	ND	U	ND	ND	ND	ND	ND
Benzo[a]pyrene	1	1	ND	ND	U	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	1	1	ND	ND	U	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	100	100	ND	ND	U	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	0.8	1	ND	ND	U	ND	ND	ND	ND	ND
Chrysene	1	1	ND	ND	U	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene	0.33	0.33	ND	ND	U	ND	ND	ND	ND	ND
Fluoranthene	100	100	ND	ND	U	ND	ND	ND	ND	ND
Fluorene	30	100	ND	ND	2.4	ND	ND	1.6	ND	0.061
Indeno[1,2,3-cd]pyrene	0.5	0.5	ND	ND	U	ND	ND	ND	ND	ND
Naphthalene	12	100	ND	ND	6.8	ND	ND	4.7	ND	0.41
Phenanthrene	100	100	ND	ND	3.7	ND	ND	4.8	ND	0.1
Pyrene	100	100	ND	0.07	1.1	ND	ND	0.2	ND	ND
Total sVOC			ND	0.07	14	ND	ND	12.7	ND	0.571

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
* E - indicates value exceeded laboratory instrument calibration range
* J - analyte detected below the PQL
TICs - Tentatively Identified Compounds
orange-shaded cells indicates target compound concentrations exceeding unrestricted use requirements
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

TABLE 1 - Soil Sampling Results - South Terminal

			AOC 6 - Former Tank 9 Area - South Terminal						AOC 10	AOC 15 (South) - Former Lagoon Area		AOC 7 - Product Lines
Analyses	Track 1 Unrestricted Use (ppm)	Track 2 Residential Use (ppm)	B-34	B-34	B-35	B-36	SB-38	B-40	B-169	B-186	B-188	B-156
Sample Depth (ft)			5.3-5.8	8-8.6	7.8-8.3	8-8.5	4-8.8	7.5-8.5	4-6.7	0-3.5	2-4	4-5.5
PID Reading (ppm)			ND	ND	ND	ND	0.6	ND				51
SM18 2540B			86	91	90	78	77	90				
6010 (Lead) (mg/Kg)	63	400	2.8	3	2.2	6.60	4.4	3.3	9.4	17	10	7.5
8260 (mg/kg)												
1,1,1,2-tetrachloroethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	**0.68**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	**0.27**	**19**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	**0.33**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloropropene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-trichlorobenzene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-trichloropropane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trimethylbenzene	**3.6**	**47**	ND	ND	ND	ND	ND	ND	0.0015	0.02	0.02	ND
1,2-dibromo-3-chloropropane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dibromoethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	**1.1**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	**0.02**	**2.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-trimethylbenzene	**8.4**	**47**	ND	ND	ND	ND	ND	ND	0.0012	0.19	0.19	ND
1,3-dichlorobenzene	**2.4**	**17**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichloropropane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	**1.8**	**9.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-dichloropropane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-chlorotoluene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlorotoluene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-isopropyltoluene			ND	ND	ND	ND	ND	ND	ND	0.037	0.037	ND
4-methyl-2-pentanone			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
acetone	**0.05**	**100**	ND	ND	ND	ND	ND	ND	0.066	ND	ND	0.11
acrylonitrile			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzene	**0.06**	**2.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromobenzene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromochloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon disulfide			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	**0.76**	**1.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	**1.1**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	**0.37**	**10**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	**0.25**	**59**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	**0.19**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromomethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dichlorodifluoromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	**1**	**30**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
hexachlorobutadiene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
iodomethane (methyl iodide)			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
isopropylbenzene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	**0.05**	**51**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
mtbe	**0.93**	**62**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-butylbenzene	**12**	**100**	ND	ND	ND	ND	ND	ND	ND	0.038	0.038	0.0089
n-propylbenzene	**3.9**	**100**	ND	ND	ND	ND	ND	ND	ND	0.0011	0.0011	ND
naphthalene			ND	ND	ND	ND	ND	ND	0.0073	0.03	0.03	ND
sec-butylbenzene	**11**	**100**	ND	ND	ND	ND	ND	ND	ND	0.001	0.001	0.029
styrene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-butyl alcohol			ND	NT	NT	0	0	0	ND	ND	ND	ND
tert-butylbenzene	**5.9**	**100**	ND	ND	ND	ND	ND	ND	ND	0.0022	0.0022	ND
tetrachloroethene	**1.3**	**5.5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
toluene	**0.7**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-dichloro-2-butene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	**0.47**	**10**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichlorofluoromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
vinyl acetate			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
vinyl chloride	**0.02**	**0.21**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
xylene, m+p			ND	ND	ND	ND	ND	ND	ND	0.0054	0.0054	ND
xylene, o			ND	ND	ND	ND	ND	ND	ND	0.0067	0.0067	ND
xylenes total	**0.26**	**100**	ND	ND	ND	ND	ND	ND	ND	0.0067	0.0067	ND
Total VOC			ND	ND	ND	ND	ND	ND	0.076	0.326	0.326	3.459
8270												
Acenaphthene	**20**	**100**	ND	ND	ND	ND	ND	ND	0.13	ND	ND	0.12
Acenaphthylene	**100**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	**100**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	**1**	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	**1**	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	**1**	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	**100**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	**0.8**	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	**1**	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene	**0.33**	**0.33**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	**100**	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	**30**	**100**	ND	ND	ND	ND	ND	ND	0.15	ND	ND	0.13
Indeno[1,2,3-cd]pyrene	**0.5**	**0.5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	**12**	**100**	ND	ND	ND	ND	ND	ND	0.2	ND	ND	ND
Phenanthrene	**100**	**100**	ND	ND	ND	ND	ND	ND	0.46	ND	ND	0.096
Pyrene	**100**	**100**	ND	ND	ND	ND	ND	ND	0.067	ND	ND	0.07
Total sVOC			ND	ND	ND	ND	ND	ND	1.007	ND	ND	17.12

Notes

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* NE - guidance values not established by the NYS DEC
* E - indicates value exceeded laboratory instrument calibration range
* J - analyte detected below the PQL
TICs - Tentatively Identified Compounds
orange-shaded cells indicates target compound concentrations exceeding unrestricted use requirements
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

APPENDIX A

SOIL BORING LOGS

SE STRATEGIC ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

LOG OF BORING SB-1

(Page 1 of 1)

DATE STARTED : 11/16/07
DATE COMPLETED : 11/16/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.7 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0–4		30"			0.0 to 4.0 Feet: Light Brown medium to fine SAND, little Silt; moist; loose.		11-16-07	2	S-1	
4–6.7		32"			4.0 to 4.5 Feet: Similar Soil. 4.5 to 6.7 Feet: Dark Brown SILT, some Clay, trace medium to fine Sand; stiff; moist; moderately plastic; heavy petroleum odors near bottom. *Bottom of Borehole a 6.7 Feet* **Refusal at 6.7 Feet**		11-16-07	343	S-2	

Note: Bgs. = Below Ground Surface.

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

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 11/19/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/19/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 7.7 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: D. LaClair	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-3

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Dark Brown SILT and medium to fine SAND, Organics; moist; unsorted. 0.5 to 4.0 Feet: Light Brown Reddish medium to fine SAND; moist; loose.					
1								0.4		
2		42"					11-19-07		S-1	
3								0.5		
4					4.0 to 4.5 Feet: Similar Soil. 4.5 to 6.0 Feet: Brown SILT and medium to fine SAND, trace Clay; stiff; moist. 6.0 to 7.7 Feet: Dark Grey SILT, some Clay, little medium to fine Sand; dense; stiff; moist. *Bottom of Borehole a 7.7 Feet* **Refusal at 7.7 Feet**					
5								163		
6		48"					11-19-07		S-2	
7								709		
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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 : 11/16/07
DATE COMPLETED : 11/16/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.0 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-5

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
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.					
1								11.7		
2		46"					11-16-07		S-1	
3								ND		
4					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; loose; unsorted; moist.					
5		36"			*Bottom of Borehole a 7.0 Feet* **Refusal at 7.0 Feet**		11-16-07	ND	S-2	
6										
7										
8										
9										
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.

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 11/19/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/19/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 7.3 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: D. LaClair	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-7

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Dark Brown medium to fine SAND, some Silt; moist; Organics. 0.5 to 4.0 Feet: Light Brown medium to fine SAND; moist; loose.					
1								18		
2		30"					11-19-07		S-1	
3								2		
4					4.0 to 6.5 Feet: Light Grey and Brown SILT, little medium to fine Sand, trace Clay; moist. 6.5 to 6.5 Feet: Layer of Black ORGANIC.					
5					6.5 to 7.3 Feet: Light Grey SILT and medium to fine SAND, little medium to fine Gravel, little Clay; very moist.			1408		
		36"					11-19-07		S-2	
6					*Bottom of Borehole a 7.3 Feet* **Refusal at 7.3 Feet**			1720		
7										
8										
9										
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.

SE STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/13/07
DATE COMPLETED : 11/13/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 5.9 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-9

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.5 Feet: Light Brown medium to fine SAND, loose; moist; topsoil. 1.5 to 3.0 Feet: Dark Brown SILT, some Clay; moist. 3.0 to 4.0 Feet: Light Grey SILT, some medium to fine Sand, little medium to course Gravel; unsorted; moist.					
1								1.7		
2		48"					11-13-07		S-1	
3								1.7		
4					4.0 to 5.9 Feet: Similar Soil with light Grey Rock Fragments at 5 feet.					
5		40"			*Bottom of Borehole a 5.9 Feet* **Refusal at 5.9 Feet**		11-13-07	1.6	S-2	
6										
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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 : 11/16/07
DATE COMPLETED : 11/16/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.8 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-10

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 2 3		36"			0.0 to 0.5 Feet: Dark Brown medium to fine SAND, some Silt; moist; unsorted; Organics. 0.5 to 3.0 Feet: Light Brown medium to fine Sand; moist; loose. 3.0 to 4.0 Feet: Dark Brown SILT and medium to fine SAND, trace Clay, Organics; very stiff.		11-16-07	2.8 3.3	S-1	
4 5 6		14"			4.0 to 6.0 Feet: Similar Soil. 6.0 to 6.8 Feet: Dark Grey CLAY and SILT; moist; stiff; plastic; heavy odors. *Bottom of Borehole a 6.8 Feet* **Refusal at 6.8 Feet**		11-16-07	2086	S-2	
7 8 9 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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 11/19/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/19/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 6.4 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: D. LaClair	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-11

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 2 3		42"			0.0 to 0.5 Feet: Brown medium to fine SAND, some Silt; moist; Organics; unsorted. 0.5 to 2.0 Feet: Brown medium to fine SAND, some Silt and Clay; stiff; unsorted. 2.0 to 4.0 Feet: Dark Brown SILT, some Clay, little medium to fine Sand, very stiff; moist; unsorted.		11-19-07	2.9 2.9	S-1	
4 5 6		42"			4.0 to 4.5 Feet: Similar Soil. 4.5 to 6.4 Feet: Light Grey SILT and CLAY, some medium to fine Sand; moist; moderately plastic; heavy odors. *Bottom of Borehole a 6.4 Feet* **Refusal at 6.4 Feet**		11-19-07	1090	S-2	
7 8 9 10										

Note: Bgs. = Below Ground Surface. 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 : 11/19/07
DATE COMPLETED : 11/19/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.6 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-12

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.5 Feet: Dark Brown medium to fine SAND and SILT; moist; Organics at top.					
1					1.5 to 4.0 Feet: Brown SILT, some medium to fine Sand, little Clay; striff; moist.			ND		
2		42"					11-19-07		S-1	
3								0.2		
4					4.0 to 6.6 Feet: Light Grey GRAVEL and ROCK FRAGMENTS, some Silt and medium to fine Sand; unsorted; moist; odors near bottom.					
5		42"			*Bottom of Borehole a 6.6 Feet* **Refusal at 6.6 Feet**		11-19-07	54	S-2	
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/13/07
DATE COMPLETED : 11/13/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 5.8 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-13

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.5 Feet: Dark Brown SILT, some Clay, trace medium to fine Sand; moist; Organic. 1.5 to 2.0 Feet: Rock Fragments light Grey and Red Rock. 2.0 to 4.0 Feet: Light Grey SILT, some Clay, little medium to fine Sand, trace medium to fine Gravel; moist; unsorted.					
1								160		
2		12"					11-13-07		S-1	
3								160		
4					4.0 to 5.8 Feet: Similar Soil becoming more stiff towards bottom.					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)
5		24"			*Bottom of Borehole a 5.8 Feet* **Refusal at 5.8 Feet**		11-13-07	1050	S-2	
6										
7										
8										
9										
10										

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

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/16/07
DATE COMPLETED : 11/16/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.1 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-14

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Dark Brown SILT and fine SAND, Organics; moist; unsorted. 0.5 to 1.5 Feet: Dark Brown SILT and CLAY; plastic; moist; 2 inch layer of light Brown medium to fine SAND; loose. 1.5 to 4.0 Feet: Dark Brown SILT and medium to fine SAND, some Clay; stiff; moist; slightly plastic.					
1								2.1		
2		42"					11-16-07		S-1	
3								11		
4					4.0 to 5.9 Feet: Similar Soil. 5.9 to 6.1 Feet: Light Grey coarse to fine SAND and SILT, some medium to fine sub-rounded Gravel; wet; unsorted; heavy odors. *Bottom of Borehole a 6.1 Feet* **Refusal at 6.1 Feet**					
5		30"					11-16-07	2080	S-2	
6										
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.
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 : 11/19/07
DATE COMPLETED : 11/19/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.4 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-15

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					medium grained,0.0 to 1.5 Feet: Brown SILT, some medium to fine Sand; stiff; moist; Organics.					
1					1.5 to 2.0 Feet: Dark Black layer of ORGANICS. 2.0 to 4.0 Feet: Light Brown SILT, some medium to fine Sand, trace Clay; stiff; moist.			2.4		
2		36"					11-19-07		S-1	
3								360		
4					4.0 to 5.0 Feet: Similar Soil. 5.0 to 6.4 Feet: Dark Grey SILT and CLAY, little medium to fine Sand, trace medium to fine Gravel; moist; plastic.					
5		36"			*Bottom of Borehole a 6.4 Feet* **Refusal at 6.4 Feet**		11-19-07	2097	S-2	
6										
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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	: 11/19/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/19/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 6.6 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-16

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0		24"			0.0 to 1.5 Feet: Dark Brown SILT and medium to fine SAND, Organics near top; moist. 1.5 to 2.0 Feet: ROCK FRAGMENTS. 2.0 to 4.0 Feet: Dark Brown SILT, some Clay, little medium to fine Sand; stiff; moist; slightly plastic.		11-19-07	ND ND	S-1	
4		36"			4.0 to 6.6 Feet: Coarse to fine sub-rounded GRAVEL, some light Brown Silt, little medium to fine Sand; moist; dense. *Bottom of Borehole a 6.6 Feet* **Refusal at 6.6 Feet**		11-19-07	ND	S-2	

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

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

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/13/07
DATE COMPLETED : 11/13/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 5.9 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-17

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
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.					
1								ND		
2		23"					11-13-07		S-1	
3								0.8		
4					4.0 to 4.5 Feet: Light Brown medium to fine SAND; moist and loose.					
5		24"			4.5 to 5.5 Feet: Light Grey SILT, some Clay, trace coarse to fine Sand, trace fine Gravel; moist; moderately plastic. 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 Sand. *Bottom of Borehole at 5.9 Feet.* **Refusal 5.9 Feet.**		11-13-07	35.6	S-2	
6										
7										
8										
9										
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.

STRATEGIC ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 11/16/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/16/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 6.2 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-18

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Dark Brown SILT and fine SAND, trace Clay, Organics. 0.5 to 1.0 Feet: Light Brown medium to fine SAND; moist; loose.					
1					1.0 to 4.0 Feet: Dark Brown SILT and medium to fine SAND; stiff; Organics.			1.3		
2		36"					11-16-07		S-1	
3								1.9		
4					4.0 to 6.1 Feet: Dark Grey CLAY and SILT; moist; very plastic; little sub-rounded Gravel; odors.					
5		30"			*Bottom of Borehole a 6.1 Feet* **Refusal at 6.1 Feet**		11-16-07	1131	S-2	
6										
7										
8										
9										
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.

SE STRATEGIC ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/19/07
DATE COMPLETED : 11/19/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : D. LaClair

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.2 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-19

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.5 Feet: Dark Brown SILT, some medium to fine Sand; stiff; moist; Organics. 1.5 to 2.0 Feet: Dark Black layer of ORGANICS. 2.0 to 4.0 Feet: Light Brown SILT and medium to fine SAND, trace Clay; moist; unsorted.					
1								2.4		
2		36"					11-19-07		S-1	
3								9.7		
4					4.0 to 6.2 Feet: Light Grey SILT, some coarse to fine Sand, little Clay, trace medium to fine Gravel; stiff.					
5		24"			*Bottom of Borehole a 6.2 Feet* **Refusal at 6.2 Feet**		11-19-07	435	S-2	
6										
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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 : 11/19/07
DATE COMPLETED : 11/19/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : D. LaClair

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.5 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-20

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 2 3		36"			0.0 to 0.5 Feet: Dark Brown SILT and medium to fine SAND; moist; Organics. 0.5 to 3.0 Feet: Light Grey coarse to fine SAND, some medium to fine angular Gravel with more Gravel towards bottom; moist. 3.0 to 4.0 Feet: Coarse to fine angular GRAVEL, some light Grey Silt, little coarse to fine Sand; moist; unsorted.		11-19-07	ND ND	S-1	
4 5 6		42"			4.0 to 6.5 Feet: Similar Soil with slight petroleum odor towards bottom. *Bottom of Borehole a 6.5 Feet* **Refusal at 6.5 Feet**		11-19-07	153	S-2	
7 8 9 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.

STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/6/07
DATE COMPLETED : 12/6/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER :

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 8.4 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-33

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Medium to fine SAND and coarse to fine GRAVEL; moist; little Silt; unsorted.					
1										
2		30"					12-6-07	ND	S-1	
3										
4					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 fine GRAVEL, little medium to fine Sand, trace Silt; dense; moist; unsorted.					
5								9.8		
6		42"					12-6-07		S-2	
7								ND		
8		3"			8.0 to 8.4 Feet: Similar Soil. *Bottom of Borehole at 8.4 Feet.* **Refusal 8.4 Feet.**		12-6-07	4.8	S-3	
9										
10										

Note: Bgs. = Below Ground Surface.

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 : 8.6 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-34

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					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.					
1								ND		
2		26"					12-11-07		S-1	
3								ND		
4					4.0 to 4.6 Feet: Similar Soil, moist. 4.6 to 5.3 Feet: Dark Reddish-Brown SILT, some Clay, trace Organic Material (Roots); moist; slightly plastic; stiff. 5.3 to 8.0 Feet: Tan SILT, little Clay, coarse to fine Sand and medium to fine sub-rounded Gravel (GLACIAL TILL); wet; unsorted; very dense.					
5								2.1		
6		39"					12-11-07		S-2	
7								ND		
8		6"			8.0 to 8.6 Feet: Similar Soil; wet; possible very faint petroleum odor noted.		12-11-07	ND	S-3	
9					*Bottom of Borehole at 8.6 Feet.* **Refusal 8.6 Feet.**					
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.

SE 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 : 9.4 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-35

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					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.					
1								ND		
2		32"					12-11-07		S-1	
3								ND		
4					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 upper 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.					
5								ND		
6		46"					12-11-07		S-2	
7								ND		
8					8.0 to 9.4 Feet: SImilar Soil. *Bottom of Borehole at 9.4 Feet.* **Refusal 9.4 Feet.**			ND		
9		12"					12-11-07		S-3	
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/13/07
DATE COMPLETED : 12/13/07
LOGGED BY : N. Bradford
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : J. Pentland

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 9.0 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-36

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					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.					
1								ND		
2		27"					12-13-07		S-1	
3								ND		
4					4.0 to 4.8 Feet: Similar Soil; wet. 4.8 to 7.2 Feet: Dark Grey-Brown SILT, some Clay, trace Organic Material (Roots) in upper 1.2 Feet; moist; slightly plastic; blocky structure; very stiff. 7.2 to 8.0 Feet: Olive-Grey SILT, some Clay, trace coarse to fine Sand and fine Gravel; wet; softer than above; moderately plastic.					
5								ND		
6		47"					12-13-07		S-2	
7								ND		
8		11"			8.0 to 8.5 Feet: Similar Soil. 8.5 to 9.0 Feet: Tan SILT, little Clay, coarse to fine Sand and medium to fine sub-rounded Gravel (GLACIAL TILL); moist; unsorted; very dense.		12-13-07	ND	S-3	
9					*Bottom of Borehole at 9.0 Feet.* **Refusal 9.0 Feet.**					
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/6/07
DATE COMPLETED : 12/6/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 8.6 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-37

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					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.					
2		25"					12-6-07	ND	S-1	
4					4.0 to 8.0 Feet: Grey SILT and coarse to fine sub-rounded GRAVEL, little Clay; moist; dense.					
5								ND		
6		46"					12-6-07		S-2	
7								ND		
8		6"			8.0 to 8.6 Feet: Similar Soil. *Bottom of Borehole at 8.6 Feet.* **Refusal 8.6 Feet.**		12-6-07	ND	S-3	
9										
10										

Note: Bgs. = Below Ground Surface.

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	: 12/6/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 12/6/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 8.8 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-38

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Brown medium to fine SAND and coarse to fine sub-rounded GRAVEL, little coarse to fine Sand; moist; unsorted; Organics at top.					
1										
2		24"					12-6-07	0.2	S-1	
3										
4					4.0 to 5.0 Feet: Similar Soil. 5.0 to 8.0 Feet: Brown SILT, some Clay, little medium to fine Sand; moist; no obvious odor.					
5								0.2		
6		45"					12-6-07		S-2	
7								ND		
8		6"			8.0 to 8.8 Feet: Similar Soil. *Bottom of Borehole at 8.8 Feet.* **Refusal 8.8 Feet.**		12-6-07	0.6	S-3	
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/6/07
DATE COMPLETED : 12/6/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 9.5 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-39

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					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.					
1								ND		
2		26"					12-6-07		S-1	
3								0.1		
4					4.0 to 5.0 Feet: Similar Soil. 5.0 to 8.0 Feet: Dark Grey SILT, some Clay; slightly plastic; moist.					
5								ND		
6		40"					12-6-07		S-2	
7								0.9		
8		12"			8.0 to 9.5 Feet: Similar Soil. *Bottom of Borehole at 9.5 Feet.* **Refusal 9.5 Feet.**		12-6-07	0.5	S-3	
9										
10										

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

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	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 12/11/07	RIG TYPE	:
LOGGED BY	: N. Bradford	TOTAL DEPTH	: 4 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: J. Pentland	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-40

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					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. *Bottom of Borehole at 4.0 Feet.* **Refusal 4.0 Feet.**					
1										
2		15"					12-11-07		S-1	
3										
4										
5										

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

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

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/5/07
DATE COMPLETED : 12/5/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 5.7 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-41

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Coarse to fine angular and rounded GRAVEL, some coarse to fine Sand, little Silt; moist; unsorted.					
1								0.4		
2		24"					12-5-07		S-1	
3								0.2		
4					4.0 to 5.7 Feet: Light Grey SILT, some Clay, some coarse to fine sub-rounded Gravel; moist; stiff.					
5		16"			*Bottom of Borehole at 5.7 Feet.* **Refusal 5.7 Feet.**		12-5-07	0.9	S-2	
6										
7										
8										
9										
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.

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/5/07
DATE COMPLETED : 12/5/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 5.6 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-42

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Coarse to fine angular and rounded GRAVEL, some coarse to fine Sand, little Silt; moist; unsorted.					
1								0.7		
2		31"					12-5-07		S-1	
3								38.2		
4					4.0 to 5.6 Feet: Dark Brown SILT, some Clay, little coarse to fine Sand; moist; stiff; slight petroleum odor at bottom; staining.					
5		23"			*Bottom of Borehole at 5.6 Feet.* **Refusal 5.6 Feet.**		12-5-07	28.2	S-2	
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/5/07
DATE COMPLETED : 12/5/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 5.5 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-43

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 3.8 Feet: Coarse to fine sub-rounded GRAVEL, some coarse to fine Sand, little Silt; moist; unsorted.					
1					3.8 to 4.0 Feet: Dark Grey SILT, some Clay; moist; stiff.			1.0		
2		31"					12-5-07		S-1	
3								16.8		
4					4.0 to 5.5 Feet: Coarse to fine Brown SAND, some Clay and Silt; moist; unsorted; heavy odor at bottom.					
5		16"			*Bottom of Borehole at 5.5 Feet.* **Refusal 5.5 Feet.**		12-5-07	177	S-2	
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/5/07
DATE COMPLETED : 12/5/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 5.7 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-44

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					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.					
1								0.5		
2		31"					12-5-07		S-1	
3								44		
4					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.					
5		26"			*Bottom of Borehole at 5.7 Feet.* **Refusal 5.7 Feet.**		12-5-07	97	S-2	
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/5/07
DATE COMPLETED : 12/5/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 5.9 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-45

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 2.0 Feet: Coarse to fine angular GRAVEL, some coarse to fine Sand, little Silt; moist; unsorted.					
1					2.0 to 4.0 Feet: Brown SILT, some Clay, little medium to fine Sand, trace rounded Gravel; moist; stiff.			1.8		
2		30"					12-5-07		S-1	
3								1.6		
4					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.					
5		23"					12-5-07	0.5	S-2	
6					*Bottom of Borehole at 5.9 Feet.* **Refusal 5.9 Feet.**					
7										
8										
9										
10										

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

STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/5/07
DATE COMPLETED : 12/5/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 5.8 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-46

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Coarse to fine sub-rounded GRAVEL, some coarse to fine Sand; moist; unsorted; Organics near top.					
1								0.2		
2		20"					12-5-07		S-1	
3								0.3		
4					4.0 to 5.8 Feet: Similar Soil; water table encountered; no noticeable petroleum odor.					
5		10"			*Bottom of Borehole at 5.8 Feet.* **Refusal 5.8 Feet.**		12-5-07	0.8	S-2	
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/5/07
DATE COMPLETED : 12/5/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.0 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-47

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Sub-rounded coarse to fine GRAVEL, some coarse to fine Sand, trace Silt; unsorted; moist.					
1								ND		
2		26"					12-5-07		S-1	
3								ND		
4					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.					
5		20"			*Bottom of Borehole at 6.0 Feet.* **Refusal 6.0 Feet.**		12-5-07	0.2	S-2	
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 12/5/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 12/5/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 5.6 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-48

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Brown coarse to fine sub-rounded GRAVEL, some coarse to fine Sand; moist; unsorted.					
1								ND		
2		22"					12-5-07		S-1	
3								0.2		
4					4.0 to 5.6 Feet: Brown SILT, some medium to fine Sand, little Clay; stiff; moist; no noticeable petroleum odor.					
5		28"			*Bottom of Borehole at 5.6 Feet.* **Refusal 5.6 Feet.**		12-5-07	0.1	S-2	
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 12/5/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 12/5/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 5.5 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-49

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					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.					
1								0.2		
2		30"					12-5-07		S-1	
3								ND		
4					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.					
5		18"					12-5-07	ND	S-2	
6					*Bottom of Borehole at 5.5 Feet.* **Refusal 5.5 Feet.**					
7										
8										
9										
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.

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 12/5/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 12/5/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 5.6 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-50

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.5 Feet: Brown coarse to fine SAND, some medium to fine sub-rounded Gravel. 1.5 to 4.0 Feet: Brown SILT, some Clay, little medium to fine Sand; moist.					
1								1.9		
2		45"					12-5-07		S-1	
3								0.2		
4					4.0 to 5.6 Feet: Grey SILT, some Clay, trace sub-rounded Gravel; moist; stiff; some odor. *Bottom of Borehole at 5.6 Feet.* **Refusal 5.6 Feet.**					
5		12"					12-5-07	489	S-2	
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 12/5/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 12/5/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 6.1 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-51

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
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 Sand, trace Clay; moist; stiff.					
1								1.3		
2		42"					12-5-07		S-1	
3								2.8		
4					4.0 to 6.1 Feet: Similar Soil, no noticeable petroleum odor.					
5		23"			*Bottom of Borehole at 6.1 Feet.* **Refusal 6.1 Feet.**		12-5-07	0.7	S-2	
6										
7										
8										
9										
10										

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

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/6/07
DATE COMPLETED : 12/6/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : D. LaClair

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 5.0 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-52

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.5 Feet: Brown SILT and coarse to fine GRAVEL, little coarse to fine Sand; moist; unsorted. 1.5 to 4.0 Feet: Brown SILT, some Clay, trace medium sub-rounded Gravel; moist; stiff.					
1								0.6		
2		37"					12-6-07		S-1	
3								ND		
4					4.0 to 5.0 Feet: Similar Soil.					
		10"			*Bottom of Borehole at 5.0 Feet.* **Refusal 5.0 Feet.**		12-6-07	ND	S-2	
5										
6										
7										
8										

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

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

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

LOG OF BORING SB-53

(Page 1 of 1)

DATE STARTED : 12/6/07
DATE COMPLETED : 12/6/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : D. LaClair

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 4.5 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 2.0 Feet: Brown SILT, come Clay, little medium to fine Sand; moist; stiff; Organics near top. 2.0 to 4.0 Feet: Grey SILT, some coarse to fine rounded Gravel, little Clay; moist; dense.					
1								ND		
2		26"					12-6-07		S-1	
3								0.1		
4		10"			4.0 to 4.5 Feet: Similar Soil; no noticeable petroleum odor.		12-6-07	0.1	S-2	
5					*Bottom of Borehole at 4.5 Feet.* **Refusal 4.5 Feet.**					
6										
7										
8										

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

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

SE STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/6/07
DATE COMPLETED : 12/6/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : D. LaClair

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 4.3 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-54

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 2.0 Feet: Brown SILT and coarse to fine GRAVEL, little coarse to fine Sand; unsorted; moist. 2.0 to 4.0 Feet: Brown SILT, some Clay, little medium to fine Sand, some sub-rounded Gravel; moist; stiff.					
1								ND		
2		40"					12-6-07		S-1	
3								0.2		
4		2"			4.0 to 4.3 Feet: Similar Soil. *Bottom of Borehole at 4.3 Feet.* **Refusal 4.3 Feet.**		12-6-07	0.4	S-2	
5										
6										
7										
8										

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

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

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 11/20/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/20/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 5.8 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-55

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 2.0 Feet: Dark Brown SILT, some medium to fine Sand, little Clay; moist; moderately plastic; Organics near top.					
1					2.0 to 4.0 Feet: Light Grey SILT, some coarse to fine Gravel, little coarse to fine Sand; moist; unsorted.			3.1		
2		48"					11-20-07		S-1	
3								91		
4					4.0 to 5.8 Feet: Light Grey coarse to fine GRAVEL, some Silt, little medium to fine Sand; moist; unsorted.					
5		32"			*Bottom of Borehole a 5.8 Feet* **Refusal at 5.8 Feet**		11-20-07	282	S-2	
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 11/20/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/20/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 5.9 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-56

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Dark Brown SILT and medium to fine Sand, trace Clay; moist; slightly plastic; Organics.					
1					0.5 to 3.5 Feet: Brown SILT, some Clay; moderately plastic; stiff; moist.			ND		
2		40"			3.5 to 4.0 Feet: Light Grey sub-rounded coarse to fine GRAVEL, some light Tan Silt, little coarse to fine Sand; unsorted; moist.		11-20-07		S-1	
3								0.3		
4					4.0 to 5.9 Feet: Similar Soil.					
5		33"			*Bottom of Borehole a 5.9 Feet* **Refusal at 5.9 Feet**		11-20-07	244	S-2	
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 11/20/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/20/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 5.8 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-57

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
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. 3.5 to 4.0 Feet: Coarse to fine sub-angular and angular GRAVEL, some Silt, little medium to fine Sand; unsorted; petroleum odor.					
1								12.6		
2		48"					11-20-07		S-1	
3								6.8		
4					4.0 to 5.8 Feet: Similar Soil.					
5		21"			*Bottom of Borehole a 5.8 Feet* **Refusal at 5.8 Feet**		11-20-07	620	S-2	
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/20/07
DATE COMPLETED : 11/20/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 5.4 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-58

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Dark Brown SILT and medium to fine SAND, trace Clay; Organics; moist; slightly plastic.					
1					0.5 to 3.0 Feet: Brown SILT, some Clay; moderately plastic; stiff; moist.			5.6		
2		44"			3.0 to 4.0 Feet: Light Grey SILT, some coarse to fine sub-rounded Gravel, little medium to fine Sand; moist; unsorted; heavy petroleum odor at bottom.		11-20-07		S-1	
3								450		
4		23"			4.0 to 5.4 Feet: Similar Soil, layer of Green stained Silt at 4 feet.		11-20-07	1908	S-2	
5					*Bottom of Borehole a 5.4 Feet* **Refusal at 5.4 Feet**					
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/20/07
DATE COMPLETED : 11/20/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 5.4 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-59

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.0 Feet: Dark Brown SILT and medium to fine SAND, trace Clay, Organics.					
1					1.0 to 2.0 Feet: Brown coarse to fine SAND, trace Silt; moist; loose.			ND		
2		42"			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 fine sub-rounded and angular Gravel, trace medium to fine Sand; unsorted; heavy petroleum odor at bottom.		11-20-07		S-1	
3								ND		
4					4.0 to 5.4 Feet: Similar Soil. *Bottom of Borehole a 5.4 Feet* **Refusal at 5.4 Feet**					
5		13"					11-20-07	20	S-2	
6										
7										
8										
9										
10										

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

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

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/20/07
DATE COMPLETED : 11/20/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.4 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-60

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0		40"			0.0 to 0.5 Feet: Dark Brown SILT, some coarse to fine Sand, little sub-rounded fine Gravel; moist; Organics. 0.5 to 1.5 Feet: Brown SILT, some Clay, slightly plastic; moist; stiff. 1.5 to 4.0 Feet: Brown SILT, some medium to fine sub-angular Gravel, little Clay; moist; unsorted.		11-20-07	ND 3.6	S-1	
4		33"			4.0 to 5.0 Feet: Brown SILT, some Clay, slightly plastic; moist; stiff. 5.0 to 6.4 Feet: Light Grey SILT, some medium to fine Sand, little sub-rounded Gravel; moist; unsorted; heavy odors near bottom. *Bottom of Borehole a 6.4 Feet* **Refusal at 6.4 Feet**		11-20-07	1312	S-2	

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

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

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/20/07
DATE COMPLETED : 11/20/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.5 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-61

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 2 3		39"			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. 1.0 to 4.0 Feet: Brown SILT, little fine Sand; moderately stiff.		11-20-07	4.3 0.5	S-1	
4 5 6		40"			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; moist. *Bottom of Borehole a 6.5 Feet* **Refusal at 6.5 Feet**		11-20-07	404	S-2	
7 8 9 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.

STRATEGIC ENVIRONMENTAL, LLC		PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 11/20/07	DRILLING METHOD	: Geoprobe	LOG OF BORING SB-62
DATE COMPLETED	: 11/20/07	RIG TYPE	:	
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 6.6 Feet	
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:	
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core	(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					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.					
1								0.9		
2		43"					11-20-07		S-1	
3								3.6		
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**					
5		33"					11-20-07	1.1	S-2	
6										
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface. ppm=parts-per-million

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

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 11/20/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/20/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 6.3 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-63

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Dark Brown SILT and medium to fine SAND, trace medium sub-angular Gravel; moist; unsorted.					
1					0.5 to 4.0 Feet: Brown SILT, some Clay, trace medium to fine Sand; somewhat plastic; moist.			ND		
2		40"					11-20-07		S-1	
3								ND		
4					4.0 to 6.3 Feet: Light Tan SILT, some coarse to fine Gravel, little medium to fine Sand; unsorted; slight petroleum odor.					
5		40"			*Bottom of Borehole a 6.3 Feet* **Refusal at 6.3 Feet**		11-20-07	287	S-2	
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 11/20/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/20/07	RIG TYPE	:
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

LOG OF BORING SB-64

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Dark Brown SILT, some medium to fine Sand, trace Clay; moist; unsorted. 0.5 to 4.0 Feet: Light Grey to tan SILT, some coarse to fine sub-rounded Gravel, little medium to fine Sand; unsorted.					
1										
2		24"					11-20-07		S-1	
3										
4					4.0 to 6.0 Feet: Similar Soil; no noticeable petroleum odor.					
5		35"			*Bottom of Borehole a 6.0 Feet* **Refusal at 6.0 Feet**		11-20-07	1.0	S-2	
6										
7										
8										
9										
10										

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

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/20/07
DATE COMPLETED : 11/20/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 5.9 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-65

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					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.					
1								4.6		
2		46"					11-20-07		S-1	
3								1.2		
4					4.0 to 5.9 Feet: Similar Soil.					
5		38"			*Bottom of Borehole a 5.9 Feet* **Refusal at 5.9 Feet**		11-20-07	0.3	S-2	
6										
7										
8										
9										
10										

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

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 : 11/20/07
DATE COMPLETED : 11/20/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.7 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-66

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Black medium to fine Gravel and coarse to fine SAND, Organics near top. 0.5 to 3.0 Feet: Brown SILT, some Clay; moist; slightly plastic; stiff. 3.0 to 4.0 Feet: Light Brown SILT, some medium to fine Sand, little sub-rounded medium Gravel.					
1								1.6		
2		45"					11-20-07		S-1	
3								1.5		
4					4.0 to 6.7 Feet: Light Brown SILT, some medium to fine Gravel, little medium to fine Sand.					
5		41"			*Bottom of Borehole a 6.7 Feet* **Refusal at 6.7 Feet**		11-20-07	85.6	S-2	
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

LOG OF BORING SB-67

(Page 1 of 1)

DATE STARTED	: 11/20/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/20/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 7.0 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0		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.		11-20-07	0.5 5.4	S-1	
4		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**		11-20-07	13.9 314	S-2	
7										
8										
9										
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

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 11/21/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/21/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 6.9 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-68

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.0 Feet: Dark Brown SILT and medium to fine Sand; moist; Organics. 1.0 to 4.0 Feet: Brown SILT, some Clay; moist; stiff; Rock Fragments at approximately 3.5 Feet.					
1								0.3		
2		32"					11-21-07		S-1	
3								ND		
4					4.0 to 6.9 Feet: Light Grey SILT and coarse to fine angular and sub-rounded Grey GRAVEL, little medium to fine Sand; moist at approximately 5.0 Feet; noticeable petroleum odor.					
5		34"			*Bottom of Borehole a 6.9 Feet* **Refusal at 6.9 Feet**		11-21-07	102	S-2	
6								815		
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/21/07
DATE COMPLETED : 11/21/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.9 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-69

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.0 Feet: Black medium to fine GRAVEL and coarse to fine SAND; moist; unsorted. 1.0 to 4.0 Feet: Brown SILT, some Clay; moist; soft.					
1								1.4		
2		30"					11-21-07		S-1	
3								4.5		
4					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; unsorted; moist.			11.3		
5		46"			*Bottom of Borehole a 6.9 Feet* **Refusal at 6.9 Feet**		11-21-07		S-2	
6								232		
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/21/07
DATE COMPLETED : 11/21/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.3 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-70

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 To 0.5 Feet: Black fine GRAVEL and coarse to fine SAND; moist; unsorted. 0.5 to 3.5 Feet: Brown SILT, some Clay; stiff; moist; trace medium sub-rounded Gravel.					
1					3.5 to 4.0 Feet: Light Tan SILT and coarse to fine Gravel, little medium to fine Sand; unsorted.			10.4		
2		39"					11-21-07		S-1	
3								ND		
4					4.0 to 6.3 Feet: Similar Soil. *Bottome of Borehole at 6.3 Feet* **Refusal at 6.3 Feet**					
5		36"					11-21-07	ND	S-2	
6										
7										
8										
9										
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.

9 E:\BACK UP OF JD COMP\MTECH5\JamiesLogs\Sackets Harbor\SB-70.BOR

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 11/21/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/21/07	RIG TYPE	:
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

LOG OF BORING SB-71

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 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.					
1								0.8		
2		36"					11-21-07		S-1	
3								ND		
4					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.			ND		
5		28"			*Bottom of Borehole a 6.5 Feet* **Refusal at 6.5 Feet**		11-21-07		S-2	
6								3.6		
7										
8										
9										
10										

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

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	: 11/21/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/21/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 6.7 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-72

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.0 Feet: Black fine GRAVEL and coarse to fine SAND. 1.0 to 4.0 Feet: Brown SILT, some Clay, little sub-rounded Gravel.					
1								0.4		
2		46"					11-21-07		S-1	
3								0.3		
4					4.0 to 6.7 Feet: Tan SILT, some coarse to fine GRAVEL.			0.6		
5		44"			*Bottom of Borehole a 6.7 Feet* **Refusal at 6.7 Feet**		11-21-07		S-2	
6								0.3		
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/21/07
DATE COMPLETED : 11/21/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.5 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-73

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 2 3		46"			0.0 to 0.5 Feet: Dark Brown SILT and coarse to 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.		11-21-07	ND ND	S-1	
4 5 6		28"			4.0 to 6.5 Feet: Similar Soil. *Bottom of Borehole a 6.5 Feet* **Refusal at 6.5 Feet**		11-21-07		S-2	
7 8 9 10										

Note: Bgs. = Below Ground Surface.

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 : 11/21/07
DATE COMPLETED : 11/21/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.4 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-74

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.0 Feet: Black SILT and medium to fine SAND. 1.0 to 3.5 Feet: Brown SILT, some Clay, little medium to fine Sand. 3.5 to 4.0 Feet: Brown SILT and coarse to fine sub-rounded Gravel, little medium to fine Sand.					
1								0.4		
2		41"					11-21-07		S-1	
3								ND		
4					4.0 to 6.4 Feet: Similar Soil. *Bottom of Borehole a 6.4 Feet* **Refusal at 6.4 Feet**					
5		33"					11-21-07	1.0	S-2	
6								5.5		
7										
8										
9										
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.

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/21/07
DATE COMPLETED : 11/21/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.3 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-75

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Black coarse to fine SAND and small GRAVEL (possibly COAL). 0.5 to 3.7 Feet: Brown SILT, some Clay, little medium to fine Sand, Organics; moist; stiff. 3.7 to 4.0 Feet: Tan SILT and coarse to fine GRAVEL, little medium to fine Sand; unsorted.					
1								0.9		
2		34"					11-21-07		S-1	
3								0.1		
4					4.0 to 6.3 Feet: Similar Soil. *Bottom of Borehole a 6.3 Feet* **Refusal at 6.3 Feet**			0.2		
5		41"					11-21-07	0.2	S-2	
6										
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.
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 : 11/21/07
DATE COMPLETED : 11/21/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 5.8 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-76

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Black fine GRAVEL and coarse to fine SAND; moist; unsorted.					
1					0.5 to 2.5 Feet: Brown SILT, some Clay, little medium to fine Sand, Organics; stiff; moist. 2.5 to 4.0 Feet: Tan SILT and coarse to fine GRAVEL, little medium to fine Sand.			ND		
2		36"					11-21-07		S-1	
3								0.3		
4					4.0 to 5.8 Feet: Similar Soil.					
5		24"			*Bottom of Borehole a 5.8 Feet* **Refusal at 5.8 Feet**		11-21-07	858	S-2	
6										
7										
8										
9										
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.

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/21/07
DATE COMPLETED : 11/21/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.0 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-77

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					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.					
1								0.5		
2		46"					11-21-07		S-1	
3								0.6		
4					4.0 to 6.0 Feet: Similar Soil. *Bottom of Borehole a 6.0 Feet* **Refusal at 6.0 Feet**					
5		24"					11-21-07	24.5	S-2	
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 11/21/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/21/07	RIG TYPE	:
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

LOG OF BORING SB-78

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Dark Brown SILT and medium to fine SAND; Organics; unsorted. 0.5 to 3.0 Feet: Brown SILT, some Clay, little medium to fine Sand; stiff; moist; Organics. 3.0 to 4.0 Feet: Tan SILT and coarse to fine GRAVEL, little medium to fine Sand; unsorted.					
1								0.2		
2		47"					11-21-07		S-1	
3								0.7		
4					4.0 to 6.0 Feet: Similar Soil with slight petroleum odor at 6.0 feet.					
5		24"			*Bottom of Borehole a 6.0 Feet* **Refusal at 6.0 Feet**		11-21-07	0.7	S-2	
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/21/07
DATE COMPLETED : 11/21/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 5.9 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-79

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Dark Brown SILT and medium to fine SAND.					
1					0.5 to 2.5 Feet: Brown SILT, some Clay, little medium to fine Sand; moist; stiff; Organics. 2.5 to 4.0 Feet: Light Brown SILT and coarse to fine sub-rounded GRAVEL, trace Clay, no detectable petroleum odor.			0.3		
2		31"					11-21-07		S-1	
3								0.5		
4					4.0 to 5.9 Feet: Similar Soil.					
5		23"			*Bottom of Borehole a 5.9 Feet* **Refusal at 5.9 Feet**		11-21-07	0.1	S-2	
6										
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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 : 11/21/07
DATE COMPLETED : 11/21/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.3 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-80

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Dark Brown SILT and medium to fine SAND, Organics; moist; layer of suspected Coal at 0.5 Feet.					
1					0.5 to 4.0 Feet: Brown SILT, some Clay, little medium to fine Sand; stiff; Organics.			0.7		
2		42"					11-21-07		S-1	
3								0.4		
4					4.0 to 6.3 Feet: Brown SILT, some Clay, little medium to fine Sand, Organics; stiff; moist; heavily stained with dark Black staining at 5 to 6.3 feet; heavy petroleum odors.					
5		28"					11-21-07	114	S-2	
6					*Bottom of Borehole a 6.3 Feet* **Refusal at 6.3 Feet**					
7										
8										
9										
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.

STRATEGIC ENVIRONMENTAL, LLC		PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/21/07
DATE COMPLETED : 11/21/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.1 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-81

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Dark Brown SILT and medium to fine SAND, Organics. 0.5 to 4.0 Feet: Brown SILT, some Clay, little medium to fine Sand, trace Gravel.					
1								1.2		
2		30"					11-21-07		S-1	
3								1.0		
4					4.0 to 6.1 Feet: Light Brown SILT and coarse to fine GRAVEL, little medium to fine Sand; noticeable petroleum odor.			207		
5		39"			*Bottom of Borehole a 6.1 Feet* **Refusal at 6.1 Feet**		11-21-07	117	S-2	
6										
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.
Soil classifications are based on visual and

ppm=parts-per-million

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STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

LOG OF BORING SB-82

(Page 1 of 1)

DATE STARTED : 11/21/07
DATE COMPLETED : 11/21/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.0 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Dark Brown SILT and medium to fine SAND; moist; Organics. 0.5 to 2.5 Feet: Brown SILT, some Clay, little medium to fine Sand, Organics; moist; stiff. 2.5 to 4.0 Feet: Light Grey SILT and coarse to fine sub-rounded GRAVEL, little medium to fine Sand.					
1								1.2		
2		40"					11-21-07		S-1	
3								0.7		
4					4.0 to 6.0 Feet: Similar Soil, slight petroleum odor.					
5		24"			*Bottom of Borehole a 6.0 Feet* **Refusal at 6.0 Feet**		11-21-07	58.6	S-2	
6										
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.
[illegible] manual field observations only

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

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/26/07
DATE COMPLETED : 11/26/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.1 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-83

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0–4		28"			0.0 to 0.5 Feet: Dark Brown medium to fine SAND, some angular medium to fine Gravel, trace Silt, Organics; moist. 0.5 to 3.5 Feet: Light Brown medium to fine SAND, trace Silt; moist; loose. 3.5 to 4.0 Feet: Dark Brown SILT, some Clay, trace medium to fine Sand; moderately plastic; moist; stiff; Organics.		11-26-07	0.2 ND	S-1	
4–7.1		39"			4.0 to 6.0 Feet: Similar Soil. 6.0 to 7.1 Feet: Light Brown SILT and coarse to fine sub-rounded Gravel, little coarse to fine Sand, trace Silt; moist; dense; no noticeable petroleum odor. *Bottom of Borehole a 7.1 Feet* **Refusal at 7.1 Feet**		11-26-07	9.5 4.7	S-2	

Depth scale: 0 1 2 3 4 5 6 7 8 9 10

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

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 : 11/26/07
DATE COMPLETED : 11/26/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.7 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-84

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Light Brown Reddish medium to fine SAND; loose; moist.					
1								0.1		
2		27"					11-26-07		S-1	
3								0.2		
4					4.0 to 5.0 Feet: Similar Soil. 5.0 to 7.7 Feet: Grey CLAY, some Silt; moist; plastic; stiff; heavy petroleum odor and staining. *Bottom of Borehole at 7.7 Feet* **Refusal at 7.7 Feet**					
5								240		
6		41"					11-26-07		S-2	
7								435		
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/26/07
DATE COMPLETED : 11/26/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.8 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-85

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 2.0 Feet: Dark Brown medium to fine GRAVEL, little medium to fine Sand, Organics; moist; unsorted. 2.0 to 4.0 Feet: Light Brown Reddish medium to fine SAND; moist; loose.					
1								0.2		
2		31"					11-26-07		S-1	
3								0.3		
4					4.0 to 5.0 Feet: Similar Soil. 5.0 to 7.8 Feet: Dark Grey CLAY, some Silt; moist; plastic; dense; staining; strong petroleum odor. *Bottom of Borehole at 7.8 Feet* **Refusal at 7.8 Feet**					
5								42.7		
6		34"					11-26-07		S-2	
7								1312		
8										
9										
10										

Note: Bgs. = Below Ground Surface.

ppm=parts-per-million

SE STRATEGIC ENVIRONMENTAL, LLC	PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 11/26/07	DRILLING METHOD	: Geoprobe	
DATE COMPLETED	: 11/26/07	RIG TYPE	:	
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 7.3 Feet	
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:	
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core	

LOG OF BORING SB-86

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Light Brown Reddish medium to fine SAND; moist.					
1								0.5		
2		23"					11-26-07		S-1	
3								0.6		
4					4.0 to 4.5 Feet Similar Soil. 4.5 to 7.3 Feet: Brown SILT, some Clay, little medium to fine Sand; moist; slightly plastic; stiff; little coarse to fine Pink and Grey angular Gravel at bottom; no noticeable petroleum odors.					
5								1.8		
		42"					11-26-07		S-2	
6					*Bottom of Borehole at 7.3 Feet* **Refusal at 7.3 Feet**					
								4.2		
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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	: 11/26/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/26/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 7.2 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-87

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 3.0 Feet: Brown SILT, little Clay and medium to fine Sand; very moist; Organics; dark stain at 2 inches.					
1					3.0 to 4.0 Feet: Brownish Gray medium to fine SAND; loose; moist; Organics.			0.6		
2		31"					11-26-07		S-1	
3								0.4		
4					4.0 to 5.5 Feet: Brown SILT, little Clay and medium to fine Sand; moist; dense.					
5					5.5 to 7.3 Feet: Light Gray SILT and coarse to fine sub-rounded Gravel, little medium to fine Sand, trace Clay; unsorted; moist; stiff; no noticeable petroleum odors.			0.9		
		36"					11-26-07		S-2	
6					*Bottom of Borehole at 7.2 Feet* **Refusal at 7.2 Feet**					
								201		
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 11/26/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/26/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 6.6 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-88

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.0 Feet: Dark Brown SILT, some coarse to fine Gravel, little medium to fine Sand; moist; unsorted.					
1					1.0 to 2.0 Feet: Brown SILT, some Clay, little medium to fine Sand; moist; stiff.			0.2		
2		41"			2.0 to 4.0 Feet: Brown SILT, little coarse to medium angular Gravel, trace fine Sand; less moist.		11-26-07		S-1	
3								46.5		
4					4.0 to 4.5 Feet: Similar Soil. 4.5 to 6.6 Feet: Brown SILT, some Clay, trace fine Sand; moist; unsorted Organics; staining and odor.					
5								902		
		30"			*Bottom of Borehole at 6.6 Feet.* **Refusal 6.6 Feet.**		11-26-07		S-2	
6								1722		
7										
8										
9										
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.

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/26/07
DATE COMPLETED : 11/26/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.6 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-89

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0		42"			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	0.3 0.4	S-1	
4		32"			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.* **Refusal 6.6 Feet.**		11-26-07	445	S-2	

Note: Bgs. = Below Ground Surface.
ppm=parts-per-million
Soil classifications are based

SE

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/26/07
DATE COMPLETED : 11/26/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.6 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-90

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.0 Feet: Black SILT, little coarse to fine Sand; moist; unsorted. 1.0 to 4.0 Feet: Brown SILT, little Clay, trace medium to fine sub-rounded Gravel; moist; stiff.					
1								0.9		
2		26"					11-26-07		S-1	
3								1.1		
4					4.0 to 6.6 Feet: Brown SILT, some coarse to fine Gravel, little medium to fine Silt. *Bottom of Borehole at 6.6 Feet.* **Refusal 6.6 Feet.**					
5		28"					11-26-07	0.7	S-2	
6										
7										
8										
9										
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.

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/26/07
DATE COMPLETED : 11/26/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.5 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-91

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.0 Feet: Black medium to fine angular GRAVEL, some medium to fine Sand; moist; possibly Coal.					
1					1.0 to 4.0 Feet: Brown SILT, some Clay, little medium to fine Sand, Organics; stiff; moist.			ND		
2		43"					11-26-07		S-1	
3								ND		
4					4.0 to 5.0 Feet: Similar Soil, layer of black staining near 4 feet.					
5		35"			5.0 to 6.5 Feet: Light Brown SILT, little angular and subrounded Gravel; unsorted; no odors. *Bottom of Borehole at 6.5 Feet.* **Refusal 6.5 Feet.**		11-26-07	2.1	S-2	
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/26/07
DATE COMPLETED : 11/26/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.7 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-92

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.0 Feet: Black coarse to fine SAND and medium to fine GRAVEL. 1.0 to 4.0 Feet: Brown SILT, some Clay, little coarse to fine Gravel; stiff; moist; unsorted.					
1								0.1		
2		33"					11-26-07		S-1	
3								98.7		
4					4.0 to 5.0 Feet: Similar Soil. 5.0 to 6.7 Feet: Light Grey SILT, some Clay, little medium to fine Gravel; stiff; moist; petroleum odor. *Bottom of Borehole at 6.7 Feet.* **Refusal 6.7 Feet.**					
5		31"					11-26-07	1417	S-2	
6										
7										
8										
9										
10										

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

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

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/26/07
DATE COMPLETED : 11/26/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.7 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-93

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.0 Feet: Black coarse to fine SAND and medium to fine GRAVEL; moist; unsorted. 1.0 to 4.0 Feet: Brown SILT, some Clay, little medium to fine Sand, Rock Fragments at 3.5 feet.					
1								0.7		
2		21"					11-26-07		S-1	
3								0.7		
4					4.0 to 5.0 Feet: Similar Soil. 5.0 to 6.7 Feet: Light Grey SILT, some Clay, little coarse to fine sub-rounded Gravel, Rock Fragments; moist; stiff. *Bottom of Borehole at 6.7 Feet.* **Refusal 6.7 Feet.**					
5		36"					11-26-07	5.3	S-2	
6										
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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	: 11/26/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/26/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 6.4 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-94

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Light Brown Reddish medium to fine SAND; moist; loose.					
1								ND		
2		23"					11-26-07		S-1	
3								ND		
4					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.**					
5		24"					11-26-07	ND	S-2	
6										
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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	: 11/27/07
DATE COMPLETED	: 11/27/07
LOGGED BY	: J. Pentland
DRILLING COMPANY	: SE, LLC
NAME OF DRILLER	: S. Quimby
DRILLING METHOD	: Geoprobe
RIG TYPE	:
TOTAL DEPTH	: 7.5 Feet
APPOX. GW DEPTH	:
SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-95

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Reddish Brown medium to fine SAND; loose; moist; Organics at 4 feet.					
1								0.1		
2		33"					11-27-07		S-1	
3								0.7		
4					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.**					
5								91.4		
6		32"					11-27-07	534	S-2	
7										
8										
9										
10										

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

ppm=parts-per-million

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

LOG OF BORING SB-96

(Page 1 of 1)

DATE STARTED : 11/27/07
DATE COMPLETED : 11/27/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.8 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Reddish Brown medium to fine SAND; moist; loose.					
1								ND		
2		30"					11-27-07		S-1	
3								ND		
		/								
4					4.0 to 5.0 Feet: Similar Soil. 5.0 to 7.8 Feet: Light Grey SILT, some Clay, trace medium to fine Sand, trace sub-rounded medium Gravel; heavy petroleum odor.					
5					*Bottom of Borehole at 7.8 Feet.* **Refusal 7.8 Feet.**			432		
6		45"					11-27-07		S-2	
7								1006		
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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 : 11/27/07
DATE COMPLETED : 11/27/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.8 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-97

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Reddish Brown medium to fine SAND; moist; loose.					
1								ND		
2		24"					11-27-07		S-1	
3								0.6		
4					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.**					
5								4.6		
6		36"					11-27-07		S-2	
7								66.9		
8										
9										
10										

Note: Bgs. = Below Ground Surface.
Soil classifications are based

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 : 11/27/07
DATE COMPLETED : 11/27/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.9 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-98

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Reddish Brown medium to fine SAND; moist; loose; Organics at 4.5 Feet.					
1								0.9		
2		31"					11-27-07		S-1	
3								0.5		
4					4.0 to 5.0 Feet: Similar Soil. 5.0 to 7.9 Feet: Brown SILT, some Clay, trace medium to fine Sand, Organics; no noticeable petroleum odor. *Bottom of Borehole at 7.9 Feet.* **Refusal 7.9 Feet.**					
5								0.3		
6		46"					11-27-07		S-2	
7								0.1		
8										
9										
10										

Note: Bgs. = Below Ground Surface.

ppm=parts-per-million

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

LOG OF BORING SB-99

(Page 1 of 1)

DATE STARTED	: 11/27/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/27/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 6.8 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Reddish Brown medium to fine SAND; moist; loose; Organics near upper end and at about 3.5 feet.					
1								ND		
2		27"					11-27-07		S-1	
3								0.2		
4					4.0 to 4.5 Feet: Similar Soil. 4.5 to 6.8 Feet: Brown SILT, some Clay, little medium to fine Sand; trace medium sub-rounded Gravel; moist; stiff; no noticeable petroleum odor. *Bottom of Borehole at 6.8 Feet.* **Refusal 6.8 Feet.**					
5		34"					11-27-07	ND	S-2	
6										
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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	: 11/27/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/27/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 8.1 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-100

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Reddish Brown medium to fine SAND; moist; loose; unsorted; Organics near top.					
1								0.3		
2		31"					11-27-07		S-1	
3								0.1		
4					4.0 to 6.0 Feet: Similar Soil. 6.0 to 8.0 Feet: SILT, some Clay, little medium to fine Sand; heavy odors; staining.					
5								ND		
6		38"					11-27-07		S-2	
7								1412		
8					8.0 to 8.1 Feet: Similar Soil. *Bottom of Borehole at 8.1 Feet.* **Refusal 8.1 Feet.**		11-27-07			
9										
10										

Note: Bgs. = Below Ground Surface.

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	: 11/27/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/27/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 7.7 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-101

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Reddish Brown medium to fine SAND; moist; loose; Organics between 3 to 4 feet.					
1								1.4		
2		26"					11-27-07		S-1	
3								0.2		
4					4.0 to 5.5 Feet: Similar Soil. 5.5 to 7.7 Feet: Brown SILT, some Clay, little medium to fine Sand; stiff; moist; heavy odors and staining near bottom. *Bottom of Borehole at 7.7 Feet.* **Refusal 7.7 Feet.**					
5										
6		46"					11-27-07		S-2	
7								23.4		
8										
9										
10										

Note: Bgs. = Below Ground Surface.

ppm=parts-per-million

STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

LOG OF BORING SB-102

(Page 1 of 1)

DATE STARTED	: 11/27/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/27/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 7.8 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Reddish Brown medium to fine SAND; moist; loose; Organics near top.					
1								0.6		
2		31"					11-27-07		S-1	
3								ND		
4					4.0 to 4.5 Feet: Similar Soil. 4.5 to 7.8 Feet: Grey SILT, some Clay, little medium to fine Sand; moist; stiff; staining; no noticeable petroleum odor. *Bottom of Borehole at 7.8 Feet.* **Refusal 7.8 Feet.**					
5								0.9		
6		46"					11-27-07		S-2	
7								ND		
8										
9										
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.

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/27/07
DATE COMPLETED : 11/27/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.0 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-103

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Light Brown, Reddish medium to fine SAND; moist; loose; Organics throughout.					
1								0.3		
2		26"					11-27-07		S-1	
3								0.1		
4					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.**					
5								ND		
5.5		36"					11-27-07		S-2	
6										
7								0.4		
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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 : 11/27/07
DATE COMPLETED : 11/27/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.4 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-104

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Reddish Brown medium to fine SAND; moist; loose; Organics.					
1								0.4		
2		29"					11-27-07		S-1	
3								0.7		
4					4.0 to 5.0 Feet: Similar Soil. 5.0 to 7.4 Feet: Grey SILT, some Clay, little medium to fine Sand, trace medium Gravel; moist; stiff; odor; staining. *Bottom of Borehole at 7.4 Feet.* **Refusal 7.4 Feet.**					
5								149		
6		30"					11-27-07		S-2	
7								527		
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/27/07
DATE COMPLETED : 11/27/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.6 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-105

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Reddish Brown medium to fine SAND; moist; loose.					
1								0.2		
2		32"					11-27-07		S-1	
3								0.2		
4					4.0 to 5.0 Feet: Similar Soil. 5.0 to 6.6 Feet: Dark Grey SILT, some CLay, little medium to fine Sand; mild petroleum odor. *Bottom of Borehole at 6.6 Feet.* **Refusal 6.6 Feet.**					
5		32"					11-27-07	3.7	S-2	
6										
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.

ppm=parts-per-million

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

LOG OF BORING SB-106

(Page 1 of 1)

DATE STARTED : 11/27/07
DATE COMPLETED : 11/27/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.0 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Reddish Brown medium to fine SAND; moist; loose; Organics throughout.					
1								0.8		
2		18"					11-27-07		S-1	
3								0.8		
4					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.**					
5		28"					11-27-07	0.2	S-2	
6								0.5		
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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 : 11/27/07
DATE COMPLETED : 11/27/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.0 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-107

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Reddish Brown medium to fine SAND; moist; loose; Organics through top 2 feet.					
1								0.4		
2		27"					11-27-07		S-1	
3								0.6		
4					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.**					
5		37"					11-27-07	1.6	S-2	
6								3.6		
7										
8										
9										
10										

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

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 : 11/27/07
DATE COMPLETED : 11/27/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.9 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-108

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0		10"			0.0 to 4.0 Feet: Reddish Brown medium to fine SAND; moist; loose.		11-27-07	1.1	S-1	
4		24"			4.0 to 4.5 Feet: Similar Soil. 4.5 to 7.9 Feet: Dark Grey SILT, some Clay, little medium to fine Sand; moist; dense; little odor. *Bottom of Borehole at 7.9 Feet.* **Refusal 7.9 Feet.**		11-27-07		S-2	
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/27/07
DATE COMPLETED : 11/27/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.3 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-109

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 3.0 Feet: Reddish Brown medium to fine SAND; moist. 3.0 to 4.0 Feet: Brown SILT, some Clay, little medium to fine Sand.					
1								1.1		
2		33"					11-27-07		S-1	
3								ND		
4					4.0 to 5.0 Feet: Similar Soil. 5.0 to 7.3 Feet: Light Grey SILT, some Clay, some medium to fine Gravel; moist; stiff. *Bottom of Borehole at 7.3 Feet.* **Refusal 7.3 Feet.**					
5								34.3		
		46"					11-27-07		S-2	
6										
7								264		
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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 : 11/27/07
DATE COMPLETED : 11/27/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.2 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-110

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 2 3		35"			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.		11-27-07	0.6 ND	S-1	
4 5 6 7		46"			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	8.8 172	S-2	
8 9 10										

Note: Bgs. = Below Ground Surface.

ppm=parts-per-million

Depths noted are approx.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/27/07
DATE COMPLETED : 11/27/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.6 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-111

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 2 3		16"			0.0 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 5 6		25"			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	
7 8 9 10										

Note: Bgs. = Below Ground Surface.

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 : 11/28/07
DATE COMPLETED : 11/28/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.1 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-112

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
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.					
1								0.3		
2		31"					11-28-07		S-1	
3								0.4		
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. *Bottom of Borehole at 7.1 Feet.* **Refusal 7.1 Feet.**					
5								12.3		
		24"					11-28-07		S-2	
6										
								76.5		
7										
8										
9										
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.

STRATEGIC ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/28/07
DATE COMPLETED : 11/28/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.6 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-113

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Brown and Reddish Brown medium to fine SAND; moist; loose Organics.					
1								ND		
2		35"					11-28-07		S-1	
3								0.9		
4					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.**					
5								1.2		
6		41"					11-28-07		S-2	
7								201		
8										
9										
10										

Note: Bgs. = Below Ground Surface.

ppm=parts-per-million

SE

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/28/07
DATE COMPLETED : 11/28/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.6 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-114

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Reddish Brown medium to fine SAND; moist; loose; Organics throughout.					
1								0.1		
2		32"					11-28-07		S-1	
3								0.6		
4					4.0 to 4.5 Feet: Similar Soil. 4.5 to 6.5 Feet: Brown SILT, little Clay, trace medium to fine Sand, Organics; moist; stiff. 6.5 to 7.6 Feet: Light Grey SILT, some Clay, little coarse to fine Gravel and coase to fine Sand; moist; soft. *Bottom of Borehole at 7.6 Feet.* **Refusal 7.6 Feet.**					
5								30.8		
6		46"					11-28-07		S-2	
7								193		
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/28/07
DATE COMPLETED : 11/28/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.1 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-115

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.0 Feet: Black coarse to fine SAND, some Silt, Organics; moist; unsorted.					
1					1.0 to 4.0 Feet: Brown SILT and coarse to fine GRAVEL, trace CLay; moist; plastic.			2.1		
2		24"					11-28-07		S-1	
3								0.9		
4					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.**					
5		13"					11-28-07	11.8	S-2	
6										
7										
8										
9										
10										

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

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	: 11/28/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/28/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 5.3 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-116

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
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, little medium to fine Sand; stiff; moist.					
1								0.5		
2		46"					11-28-07		S-1	
3								28.6		
4					4.0 to 5.3 Feet: Similar Soil. *Bottom of Borehole at 5.3 Feet.* **Refusal 5.3 Feet.**					
		22"					11-28-07	304	S-2	
5										
6										
7										
8										
9										
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.

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 11/28/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/28/07	RIG TYPE	:
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

LOG OF BORING SB-117

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0–4		43"			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 fine Sand; moist; dense.		11-28-07	0.9 20.1	S-1	
4–6		24"			4.0 to 6.0 Feet: Similar Soil. *Bottom of Borehole at 6.0 Feet.* **Refusal 6.0 Feet.**		11-28-07	246	S-2	

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

ppm=parts-per-million
Depths noted are approx

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/28/07
DATE COMPLETED : 11/28/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.3 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-118

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Brown SILT, some Clay, little medium to fine Sand; moist; stiff; Organics; slightly plastic.					
1								0.5		
2		43"					11-28-07		S-1	
3								0.7		
4					4.0 to 6.3 Feet: Brown SILT, some coarse to fine sub-rounded Gravel, Rock Fragments, little medium to fine Sand; moist; dense. *Bottom of Borehole at 6.3 Feet.* **Refusal 6.3 Feet.**					
5		33"					11-28-07	9.0	S-2	
6										
7										
8										
9										
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.

SE STRATEGIC ENVIRONMENTAL, LLC		PROJECT: Sackets Harbor PROJECT NO.: 06-742 LOCATION: Former AFMC Petroleum Terminal Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/28/07
DATE COMPLETED : 11/28/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.6 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-119

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Brown SILT and CLAY, little sub-rounded medium to fine Gravel, little coarse to fine Sand; moist; stiff.					
1								ND		
2		30"					11-28-07		S-1	
3								0.2		
4					4.0 to 6.6 Feet: Similar Soil; no noticeable petroleum odor. *Bottom of Borehole at 6.6 Feet.* **Refusal 6.6 Feet.**					
5		12"					11-28-07	ND	S-2	
6										
7										
8										
9										
10										

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

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	: 11/28/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/28/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 5.9 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-120

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Brown SILT, some Clay, little medium to fine Sand; moist; stiff; Organics at top.					
1								0.1		
2		36"					11-28-07		S-1	
3								ND		
4					4.0 to 5.9 Feet: Similar Soil with little sub-rounded Gravel. *Bottom of Borehole at 5.9 Feet.* **Refusal 5.9 Feet.**					
5		26"					11-28-07		S-2	
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 11/28/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/28/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 6.1 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-121

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Brown SILT, some Clay, little medium to fine Sand; stiff; moist; slightly plastic; Organics at top.					
1								0.3		
2		43"					11-28-07		S-1	
3								ND		
4					4.0 to 6.1 Feet: Brown SILT, little Clay, little medium to fine Sand; moist. *Bottom of Borehole at 6.1 Feet.* **Refusal 6.1 Feet.**					
5		34"					11-28-07	0.1	S-2	
6										
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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 : 11/28/07
DATE COMPLETED : 11/28/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.0 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-122

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					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.					
1								0.1		
2		38"					11-28-07		S-1	
3								ND		
4					4.0 to 6.0 Feet: Similar Soil; no noticeable petroleum odor. *Bottom of Borehole at 6.0 Feet.* **Refusal 6.0 Feet.**					
5		22"					11-28-07	0.3	S-2	
6										
7										
8										
9										
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.

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/28/07
DATE COMPLETED : 11/28/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.4 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-123

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Dark Brown SILT, little medium to fine Sand, Organics; moist.					
1					0.5 to 3.5 Feet: Brown SILT, some Clay, Organics; moist; stiff; water table was encountered at approx. 1.5 feet below grade.			ND		
2		32"			3.5 to 4.0 Feet: Light Grey SILT and coarse to fine sub-rounded GRAVEL, little Clay, trace medium to fine Sand; moist.		11-28-07		S-1	
3								ND		
4					4.0 to 6.4 Feet: Similar Soil. *Bottom of Borehole at 6.4 Feet.* **Refusal 6.4 Feet.**					
5		36"					11-28-07	ND	S-2	
6										
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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 : 11/28/07
DATE COMPLETED : 11/28/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.3 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-124

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 2.5 Feet: Dark Brown SILT and medium to fine SAND, little Clay, trace coarse to fine sub-rounded Gravel. 2.5 to 4.0 Feet: Light Grey SILT and coarse to fine sub-rounded GRAVEL, little Clay, little medium to fine Sand.					
1								ND		
2		36"					11-28-07		S-1	
3								ND		
4					4.0 to 6.3 Feet: Similar Soil. *Bottom of Borehole at 6.3 Feet.* **Refusal 6.3 Feet.**					
5		26"					11-28-07	1.3	S-2	
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/28/07
DATE COMPLETED : 11/28/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.2 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-125

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.0 Feet: Dark Brown SILT, some medium to fine Sand; moist; unsorted; Organics.					
1					1.0 to 4.0 Feet: Grey SILT, coarse to fine sub-rounded Gravel, little Clay, little medium to fine Sand.					
2		16"					11-28-07	ND	S-1	
3										
4					4.0 to 6.2 Feet: Similar Soil; moist; no noticeable petroleum odor. *Bottom of Borehole at 6.2 Feet.* **Refusal 6.2 Feet.**					
5		23"					11-28-07	0.2	S-2	
6										
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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 : 11/28/07
DATE COMPLETED : 11/28/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.2 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-126

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.0 Feet: Black SILT and coarse to fine SAND; moist; unsorted; Organics. 1.0 to 2.0 Feet: Brown SILT, some Clay, little medium to fine Sand. 2.0 to 4.0 Feet: Light Grey SILT, some coarse to fine sub-rounded Gravel, little medium to fine Sand, moist; unsorted.					
1								0.2		
2		36"					11-28-07		S-1	
3								ND		
4					4.0 to 6.2 Feet: Similar Soil. *Bottom of Borehole at 6.2 Feet.* **Refusal 6.2 Feet.**					
5		30"					11-28-07	659	S-2	
6										
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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

SE STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 11/28/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/28/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 5.9 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-127

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					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. 2.5 to 4.0 Feet: Light Grey SILT and coarse to fine sub-rounded Gravel, little medium to fine Sand, little Clay.					
1								0.4		
2		42"					11-28-07		S-1	
3								1.1		
4					4.0 to 5.9 Feet: Similar Soil; slight odor. *Bottom of Borehole at 5.9 Feet.* **Refusal 5.9 Feet.**					
5		20"					11-28-07	310	S-2	
6										
7										
8										
9										
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.

SE

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/28/07
DATE COMPLETED : 11/28/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.0 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-128

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Dark Brown SILT and coarse to fine SAND; moist; unsorted; loose; Organics. 0.5 to 4.0 Feet: Brown SILT, some Clay, little medium to fine Sand.					
1								0.8		
2		36"					11-28-07		S-1	
3								1.6		
4					4.0 to 5.0 Feet: Similar Soil. 5.0 to 6.0 Feet: Light Grey SILT, some medium to fine sub-rounded Gravel, little coarse to fine Sand; moist; dense; slight petroleum odor. *Bottom of Borehole at 6.0 Feet.* **Refusal 6.0 Feet.**					
5		27"					11-28-07	43.8	S-2	
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/28/07
DATE COMPLETED : 11/28/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 5.7 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-129

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Brown SILT, some Clay, little medium to fine Sand; stiff; moist.					
1								0.4		
2		30"					11-28-07		S-1	
3								0.4		
4					4.0 to 5.7 Feet: Light Grey SILT and coarse to fine GRAVEL, little Clay; moist; unsorted; little odor.					
5		12"			*Bottom of Borehole at 5.7 Feet.* **Refusal 5.7 Feet.**		11-28-07	91.9	S-2	
6										
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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 : 11/29/07
DATE COMPLETED : 11/29/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.6 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-130

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Dark Brown SILT, some medium to fine Sand, Organics; moist; unsorted. 0.5 to 4.0 Feet: Light Brown medium to fine SAND; moist; loose; Organics.					
1								1.7		
2		24"					11-29-07		S-1	
3								0.1		
4					4.0 to 5.0 Feet: Similar Soil. 5.0 to 6.6 Feet: Grey SILT and CLAY, little coarse to fine Sand and fine Gravel; stiff; moist.			133		
5		17"			*Bottom of Borehole at 6.6 Feet.* **Refusal 6.6 Feet.**		11-29-07		S-2	
6										
7										
8										
9										
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.

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 11/29/07	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 11/29/07	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 7.5 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: S. Quimby	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-131

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Dark Brown SILT and coarse to fine SAND, Organics; moist; unsorted. 0.5 to 4.0 Feet: Light Brown medium to fine SAND; moist; Organics.					
1								0.6		
2		30"					11-29-07		S-1	
3								0.5		
4					4.0 to 6.0 Feet: Brown SILT, some Clay, little medium to fine Sand; moist; stiff. 6.0 to 7.5 Feet: Grey SILT, some Clay, little coarse to fine Sand; moist; mild petroleum odor. *Bottom of Borehole at 7.5 Feet.* **Refusal 7.5 Feet.**					
5								2.3		
6		37"					11-29-07		S-2	
7								160		
8										
9										
10										

Note: Bgs. = Below Ground Surface.

ppm=parts-per-million

Soil classifications are based on

STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/29/07
DATE COMPLETED : 11/29/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.2 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-132

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Dark Brown SILT, some coarse to fine Sand; moist; unsorted; Organics. 0.5 to 4.0 Feet: Light Brown Reddish medium to fine SAND; moist; loose; Organics throughout.					
1								0.6		
2		30"					11-29-07		S-1	
3								0.6		
4					4.0 to 6.5 Feet: Brown SILT, some Clay, little medium to fine Sand; stiff; moist. 6.5 to 7.2 Feet: Grey SILT and medium to fine sub-angular GRAVEL, little coarse to fine Sand, trace Clay; moist; petroleum odor. *Bottom of Borehole at 7.2 Feet.* **Refusal 7.2 Feet.**					
5								0.5		
		35"					11-29-07		S-2	
6								250		
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.
and manual field observations only

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

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/29/07
DATE COMPLETED : 11/29/07
LOGGED BY : J. Penlland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.6 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-133

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Dark Brown SILT and medium to fine Sand; moist; Organics; unsorted. 0.5 to 3.0 Feet: Light Brown Reddish medium to fine SAND; moist; Organics. 3.0 to 4.0 Feet: Brown SILT, some Clay, little medium to fine Sand; moist; stiff.					
1								0.7		
2		30"					11-29-07		S-1	
3								5.4		
4					4.0 to 5.0 Feet: Similar Soil. 5.0 to 5.5 Feet: Brown SILT, some Clay, little medium to fine Sand; moist; stiff. 5.5 to 6.6 Feet: Grey SILT, little Clay, little medium to fine Sand, trace sub-rounded Gravel. *Bottom of Borehole at 6.6 Feet.* **Refusal 6.6 Feet.**					
5		25"					11-29-07	353	S-2	
6										
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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 : 11/29/07
DATE COMPLETED : 11/29/07
LOGGED BY : J. Penlland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.2 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-134

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 3.5 Feet: Light Brown Reddish medium to fine SAND; moist. 3.5 to 4.0 Feet: Brown SILT, some Clay, little medium to fine Sand; moist; stiff.					
1								22		
2		25"					11-29-07		S-1	
3								87		
4					4.0 to 5.5 Feet: Similar Soil. 5.5 to 6.2 Feet: Similar Soil; mild odor.					
5		18"			*Bottom of Borehole at 6.2 Feet.* **Refusal 6.2 Feet.**		11-29-07	75.2	S-2	
6										
7										
8										
9										
10										

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

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

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 11/29/07
DATE COMPLETED : 11/29/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.5 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-135

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Reddish light Brown medium to fine SAND; moist; loose.					
1								0.6		
2		23"					11-29-07		S-1	
3								1.2		
4					4.0 to 5.0 Feet: Similar Soil. 5.0 to 7.5 Feet: Brown SILT, little Clay, little medium to fine Sand, trace medium to fine sub-rounded Gravel; staining and odor near bottom.					
5								46.3		
		39"			*Bottom of Borehole at 7.5 Feet.* **Refusal 7.5 Feet.**		11-29-07		S-2	
6										
7								172		
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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 : 11/29/07
DATE COMPLETED : 11/29/07
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : S. Quimby

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.6 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-136

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Light Brown medium to fine SAND; moist; loose.					
1								ND		
2		39"					11-29-07		S-1	
3								0.1		
4					4.0 to 5.0 Feet: Similar Soil. 5.0 to 7.6 Feet: Light Grey SILT, some Clay, little medium to fine Sand; moist; stiff. *Bottom of Borehole at 7.6 Feet.* **Refusal 7.6 Feet.**					
5								135		
6		42"					11-29-07		S-2	
7								152		
8										
9										
10										

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

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

STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 1/13/09	DRILLING METHOD	: Direct Push
DATE COMPLETED	: 1/19/09	RIG TYPE	: Track Rig
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 6.7 Feet
DRILLING COMPANY	: Paragon Environmental	APPOX. GW DEPTH	:
NAME OF DRILLER	:	SAMPLING METHOD	: Macro-Core

MONITORING WELL MW-101

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Brown medium to fine SAND, trace Silt; moist; loose; unsorted.					
1								0.5		
2		24"					1-13-09		S-1	
3								0.9		
4					4.0 to 5.5 Feet: Similar Soil.					Sample Collected at 15:30
5					5.5 to 6.7 Feet: Brown SILT, little Clay; moist; stiff; petroleum odors and staining noted at bottom.					
		32"			*Bottom of Borehole at 6.7 Feet* **Refusal encountered at 6.7 Feet**		1-13-09	5.5	S-2	
6										
7										
8										
9										
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.

STRATEGIC ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 12/18/08
DATE COMPLETED	: 12/18/08
LOGGED BY	: J. Pentland
DRILLING COMPANY	: SE, LLC
NAME OF DRILLER	: M. Kitts
DRILLING METHOD	: Geoprobe
RIG TYPE	:
TOTAL DEPTH	: 6.0 Feet
APPOX. GW DEPTH	:
SAMPLING METHOD	: Macro-Core

MONITORING WELL MW-102

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Dark Grey medium to fine sub-angular GRAVEL and coarse to fine SAND; moist; unsorted.					
1					0.5 to 4.0 Feet: Brown SILT, little Clay; moist; stiff.			ND		
2		46"					12-18-08		S-1	
3								ND		
4					4.0 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.					
5		24"			*Bottom of Borehole at 6.0 Feet* **Refusal encountered at 6.0 Feet**		12-18-08	ND	S-2	
6										
7										
8										
9										
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.
[illegible] recorded on this log represents approx. depth at which

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STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/17/08
DATE COMPLETED : 12/17/08
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : M. Kitts

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.5 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

MONITORING WELL MW-103

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 3.0 Feet: Dark Brown SILT, some medium to fine Sand, little Clay; moist; stiff. 3.0 to 4.0 Feet: Light Brown SILT, some Clay and medium to fine sub-angular Gravel; wet; water table at approx. 3.5 feet.					
1								ND		
2		28"					12-17-08		S-1	
3								ND		
4					4.0 to 6.5 Feet: Similar Soil. *Bottom of Borehole at 6.5 Feet* **Refusal encountered at 6.5 Feet**					Sample Collected at 16:00
5		28"					12-17-08	ND	S-2	
6										
7										
8										
9										
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.

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STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 12/18/08
DATE COMPLETED	: 12/18/08
LOGGED BY	: J. Pentland
DRILLING COMPANY	: SE, LLC
NAME OF DRILLER	: M. Kitts
DRILLING METHOD	: Geoprobe
RIG TYPE	:
TOTAL DEPTH	: 6.2 Feet
APPOX. GW DEPTH	:
SAMPLING METHOD	: Macro-Core

MONITORING WELL MW-104

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					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; moist; unsorted.					
1								ND		
2		30"					12-18-08		S-1	
3								ND		
4					4.0 to 6.2 Feet: Similar Soil. *Bottom of Borehole at 6.2 Feet* **Refusal encountered at 6.2 Feet**					
5		18"					12-18-08	ND	S-2	
6										
7										
8										
9										
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.

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

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 :
TOTAL DEPTH : 6.5 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

MONITORING WELL MW-105

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Brown SILT, some Clay, little Sand; wet; loose.					
1								1.5		
2		23"					1-13-09		S-1	
3								0.7		
4					4.0 to 6.5 Feet: Similar Soil becoming very stiff near bottom. *Bottom of Borehole at 6.5 Feet* **Refusal encountered at 6.5 Feet**					
5		38"					1-13-09	ND	S-2	
6										
7										
8										
9										
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.

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/15/08
DATE COMPLETED : 12/15/08
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : M. Kitts

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.2 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

MONITORING WELL MW-106

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 2 3		44"			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.		12-15-08	ND ND	S-1	
4 5 6		28"			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**		12-15-08	ND	S-2	
7 8 9 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.

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STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 12/15/08	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 12/15/08	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 3.9 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: M. Kitts	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-137

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 3.9 Feet: Brown SILT, some Brown Clay, little medium to fine sub-rounded Gravel; moist; stiff. *Bottom of Borehole at 3.9 Feet* **Refusal encountered at 3.9 Feet**					
1								ND		
2		40"					12-15-08		S-1	Sample Collected at 14:00
3								ND		
4										
5										
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/15/08
DATE COMPLETED : 12/15/08
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : M. Kitts

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 4.8 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-138

(Page 1 of 1)

Depth in (feel)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
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 sub-rounded Gravel; moist.					
1								ND		
2		46"					12-15-08		S-1	Sample Collected at 14:15
3								ND		
4		7"			4.0 to 4.8 Feet: Similar Soil; wet; water table encountered between 3.5 to 4.5 Feet. *Bottom of Borehole at 4.8 Feet* **Refusal encountered at 4.8 Feet**		12/15/08	ND	S-2	
5										
6										
7										
8										
9										
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.
on this log represents approx. depth at which

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STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/15/08
DATE COMPLETED : 12/15/08
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : M. Kitts

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.4 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-139

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 2 3		32"			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.		12-15-08		S-1	
4 5 6		30"			4.0 to 5.0 Feet: Brown SILT, some Clay; moist; stiff; water table encountered at approximately 5 feet. 5.0 to 6.4 Feet: Brown SILT and coarse to fine sub-rounded GRAVEL, little coarse to fine Sand; moist; very stiff. *Bottom of Borehole at 6.4 Feet* **Refusal encountered at 6.4 Feet**		12-15-08	ND	S-2	
7 8 9 10										

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

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

STRATEGIC ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/15/08
DATE COMPLETED : 12/15/08
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : M. Kitts

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.1 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-140

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 2.0 Feet: Coarse to fine sub-angular GRAVEL, some coarse to fine Sand; moist; unsorted; loose. 2.0 to 4.0 Feet: Brown SILT, some Clay, trace coarse Sand; moist; dense.					
1								ND		
2		30"					12-15-08		S-1	
3								ND		
4					4.0 to 5.5 Feet: Similar Soil. 5.5 to 6.1 Feet: Coarse to fine sub-angular GRAVEL, some Silt and Clay; moist; stiff; water table encountered at approximately 4.5 feet. *Bottom of Borehole at 6.1 Feet* **Refusal encountered at 6.1 Feet**					
5		20"					12-15-08	ND	S-2	Sample Collected at 14:26
6										
7										
8										
9										
10										

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

ppm=parts-per-million
Depths ncted are approx.
Depth of groundwater recorded on this log represents approx. depth at which

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STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 12/15/08	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 12/15/08	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 6.2 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: M. Kitts	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-141

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					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.					
1								ND		
2		30"					12-15-08		S-1	
3								ND		
4					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 table at approx. 5-6 feet. *Bottom of Borehole at 6.2 Feet* **Refusal encountered at 6.2 Feet**					
5							12-15-08	ND	S-2	
6										
7										
8										
9										
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.

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STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/15/08
DATE COMPLETED : 12/15/08
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : M. Kitts

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.3 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-142

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0–4		32"			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; stiff		12-15-08	ND ND	S-1	Ssample Collected at 14:57
4–6.3		24"			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 table at approx. 4.5 feet. *Bottom of Borehole at 6.3 Feet* **Refusal encountered at 6.3 Feet**		12-15-08	ND	S-2	

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 groundwater recorded on this log represents approx. depth at which

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/15/08
DATE COMPLETED : 12/15/08
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : M. Kitts

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 3.8 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-143

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
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**					
1								0.1		
2							12-15-08		S-1	
3								ND		
4										
5										
6										
7										
8										
9										
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

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/15/08
DATE COMPLETED : 12/15/08
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : M. Kitts

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.0 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-144

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.5 Feet: Dark Brown SILT and CLAY, little medium to fine sub-rounded Gravel, trace coarse to fine Sand; moist. 1.5 to 4.0 Feet: Brown SILT, some Clay; moist; dense.					
1								0.4		
2		30"					12-15-08		S-1	
3								0.3		
4					4.0 to 6.0 Feet: Similar Soil. *Bottom of Borehole at 6.0 Feet* **Refusal encountered at 6.0 Feet**					
5		24"					12-15-08	0.1	S-2	
6										
7										
8										
9										
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.

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STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Termina
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/15/08
DATE COMPLETED : 12/15/08
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : M. Kitts

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 9.7 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-145

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Brown SILT and coarse to fine sub-angular and sub-rounded Gravel, little Clay; moist; unsorted; dense; water table at approx. 3.6 feet.					
1								1.5		
2		32"					12-15-08		S-1	
3								ND		
4					4.0 to 8.0 Feet: Grey and Brown SILT, some Clay, trace medium to fine Sand; moist; very stiff.					
5								ND		
6		46"					12-15-08		S-2	
7								ND		
8					8.0 to 9.7 Feet: Similar Soil; wet. *Bottom of Borehole at 9.7 Feet* **Refusal encountered at 9.7 Feet**					
9							12-15-08	ND	S-3	
10										

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

ppm=parts-per-million

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STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/15/08
DATE COMPLETED : 12/15/08
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : M. Kitts

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.7 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-146

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Dark Brown SILT and coarse to fine sub-angular GRAVEL, little coarse to fine Sand; moist; unsorted; petroleum odors noted at 4.0 feet.					
1								0.3		
2		26"					12-15-08		S-1	
3								96.0		
4					4.0 to 5.5 Feet: Dark Brown SILT, some Clay; moist; very stiff. 5.5 to 7.7 Feet: Dark Brown SILT and coarse to fine SAND, little Clay; moist; very dense. *Bottom of Borehole at 7.7 Feet* **Refusal encountered at 7.7 Feet**					
5								91.7		
6		36"					12-15-08		S-2	Sample Collected at 15:47
7								128		
8										
9										
10										

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

ppm=parts-per-million
Depths noted are approx.
this log represents approx. depth at which

SE

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/15/08
DATE COMPLETED : 12/15/08
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : M. Kitts

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 5.3 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-147

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Dark Brown SILT and coarse to fine sub-rounded GRAVEL, some coarse to fine Sand; moist; unsorted; petroleum odors noted.					
1								0.8		
2		20"					12-15-08		S-1	
3								62.0		
4					4.0 to 5.3 Feet: Dark Brown SILT, some coarse to fine Sand, little medium to fine Gravel; moist; dense; petroleum odors noted throughout.					
		28"					12-15-08	58.0	S-2	
5					*Bottom of Borehole at 5.3 Feet* **Refusal encountered at 5.3 Feet**					
6										
7										
8										
9										
10										

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

ppm=parts-per-million
Depths noted are approx

STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/15/08
DATE COMPLETED : 12/15/08
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : M. Kitts

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 3.8 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-148

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.5 Feet: Grey coarse to fine angular GRAVEL, some Silt, little coarse to fine Sand; moist; unsorted. 1.5 to 3.8 Feet: Brown SILT and CLAY; moist; plastic; very dense. *Bottom of Borehole at 3.8 Feet* **Refusal encountered at 3.8 Feet**					
1								3.8		
2		20"					12-15-08		S-1	
3								2.1		
4										
5										
6										
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.
ppm=parts-per-million
Depths noted are approx.

SE STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 12/15/08	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 12/15/08	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 6.0 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: M. Kilts	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-149

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.0 Feet: Grey coarse to fine sub-angular GRAVEL, some Silt; moist; very dense; unsorted.					
1					1.0 to 4.0 Feet: Brown SILT, little Clay, trace coarse Sand; moist; very stiff.			1		
2		46"					12-15-08		S-1	
3								0.8		
4					4.0 to 6.0 Feet: Similar Soil; petroleum odors noted.					
5		24"			*Bottom of Borehole at 6.0 Feet* **Refusal encountered at 6.0 Feet**		12-15-08	132.0	S-2	
6										
7										
8										
9										
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.

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 12/15/08	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 12/15/08	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 5.3 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: M. Kitts	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-150

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
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; stiff.					
1								1.2		
2		30"					12-15-08		S-1	
3								1.3		
4					4.0 to 5.3 Feet: Similar Soil. *Bottom of Borehole at 5.3 Feet* **Refusal encountered at 5.3 Feet**					
		28"					12-15-08	2.5	S-2	
5										
6										
7										
8										
9										
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.
Depth of groundwater recorded on this log represents approx. depth at which

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/15/08
DATE COMPLETED : 12/15/08
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : M. Kitts

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.0 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-151

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.5 Feet: Dark Brown SILT and coarse to fine angular GRAVEL; moist; unsorted; dense. 1.5 to 4.0 Feet: Brown SILT, some Clay; moist; very dense.					
1								0.5		
2		36"					12-15-08		S-1	
3								ND		
4					4.0 to 6.0 Feet: Similar Soil. *Bottom of Borehole at 6.0 Feet* **Refusal encountered at 6.0 Feet**					
5		24"					12-15-08	0.3	S-2	
6										
7										
8										
9										
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

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STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 12/16/08	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 12/16/08	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 5.4 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: M. Kitts	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-152

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 2 3		46"			0.0 to 1.0 Feet: Dark Grey coarse to fine sub-angular GRAVEL, some coarse to fine Sand; moist; unsorted. 1.0 to 4.0 Feet: Brown and Reddish Brown SILT, little Clay, trace fine Sand, moist; very dense. Area of Grey staining between 2 and 3 feet with no odors.		12-16-08		S-1	
4 5		24"			4.0 to 4.5 Feet: Similar Soil. 4.5 to 5.4 Feet: Brown SILT, some medium to fine sub-rounded Gravel, little coarse to fine Sand; moist; stiff. *Bottom of Borehole at 5.4 Feet* **Refusal encountered at 5.4 Feet**		12-16-08		S-2	
6 7 8 9 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.

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STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/18/08
DATE COMPLETED : 12/18/08
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : M. Kitts

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.2 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-153

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
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.					
1								ND		
2		40"					12-18-08		S-1	
3								ND		
4					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. *Bottom of Borehole at 7.2 Feet* **Refusal encountered at 7.2 Feet**					Sample Collected at 11:50
5								ND		
6		44"					12-18-08		S-2	
7								ND		
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 12/16/08	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 12/16/08	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 5.4 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: M. Kitts	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-154

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Brown medium to fine SAND, trace Silt; wet at 2.5 feet.					
1								ND		Sample Collected at 15:30
2		38"					12-16-08		S-1	
3								ND		
4					4.0 to 5.5 Feet: Similar Soil; wet; loose. *Bottom of Borehole at 5.5 Feet* **Refusal encountered at 5.5 Feet**					
		20"					12-16-08	ND	S-2	
5										
6										
7										
8										
9										
10										

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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 groundwater recorded on this log represents approx. depth at which

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/16/08
DATE COMPLETED : 12/16/08
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : M. Kitts

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 5.4 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-155

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
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, trace fine Sand; moist; dense.					
1								ND		
2							12-16-08		S-1	
3								ND		
4					4.0 to 5.4 Feet: Brown SILT, little fine Sand; moist; dense. *Bottom of Borehole at 5.4 Feet* **Refusal encountered at 5.4 Feet**					
5		20"					12-16-08	ND	S-2	
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 12/16/08	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 12/16/08	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 5.5 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: M. Kitts	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-156

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 2.0 Feet: Grey coarse to fine angular and sub-rounded GRAVEL, little coarse to fine Sand; moist; unsorted.					
1					2.0 to 4.0 Feet: Brown SILT and CLAY, trace fine Sand; moist; dense.			ND		
2		28"					12-16-08		S-1	
3								ND		
4					4.0 to 5.5 Feet: Brown SILT, little Clay; moist; dense; petroleum odors noted. *Bottom of Borehole at 5.5 Feet* **Refusal encountered at 5.5 Feet**		12-16-08	51.0	S-2	Sample Collected at 14:17
5										
6										
7										
8										
9										
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.
Depth of groundwater recorded on this log represents approx. depth at which

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/16/08
DATE COMPLETED : 12/16/08
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : M. Kitts

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 5.6 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-157

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 2 3		46"			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; dense.		12-16-08	1.5 0.8	S-1	
4 5		24"			4.0 to 4.5 Feet: Similar Soil. 4.5 to 5.6 Feet: Greyish Brown SILT, some coarse to fine sub-rounded Gravel, little Clay; moist; very dense; petroleum odors at 4.5 feet. *Bottom of Borehole at 5.6 Feet* **Refusal encountered at 5.6 Feet**		12-16-08	56.0	S-2	Sample Collected at 15:03
6 7 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

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

SE STRATEGIC ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

LOG OF BORING SB-158

(Page 1 of 1)

DATE STARTED	: 12/16/08	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 12/16/08	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 5.7 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: M. Kitts	SAMPLING METHOD	: Macro-Core

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0		46"			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 Sand; moist; stiff.		12-16-08	ND 63	S-1	
4		30"			4.0 to 5.0 Feet: Similar Soil. 5.0 to 5.7 Feet: Coarse to fine sub-angular GRAVEL, some Grey Silt, little fine Sand; moist; stiff; petroleum odors noted. *Bottom of Borehole at 5.7 Feet* **Refusal encountered at 5.7 Feet**		12-16-08	52.1	S-2	Sample Collected at 15:10
5										
6										
7										
8										
9										
10										

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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

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 12/17/08	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 12/17/08	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 5.8 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: M. Kitts	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-159

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
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 fine Sand, little Clay; moist; stiff; petroleum odors noted.					
1								78.0		
2		36"					12-17-08		S-1	
3								98.0		
4					4.0 to 5.8 Feet: Similar Soil. *Bottom of Borehole at 5.8 Feet* **Refusal encountered at 5.8 Feet**					
5		20"					12-17-08	185	S-2	
6										
7										
8										
9										
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.

STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 12/17/08	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 12/17/08	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 5.7 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: M. Kitts	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-160

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
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 Sand, trace Clay; moist; stiff; staining and odors present at 4 feet.					
1								6.5		
2		38"					12-17-08		S-1	Duplicate Sample collected at 14:30
3								195		
4					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* **Refusal encountered at 5.7 Feet**					
5		28"					12-17-08	58	S-2	
6										
7										
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

ppm=parts-per-million
Depths noted are approx.
Depth of groundwater recorded on this log represents approx. depth at which

SE STRATEGIC ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/17/08
DATE COMPLETED : 12/17/08
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : M. Kitts

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 5.8 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-161

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.0 Feet: Dark Brown coarse to fine sub-angular GRAVEL and medium to fine Sand; moist.					
1					1.0 to 3.0 Feet: Brown SILT, some Clay; moist; stiff.			23		
2		46"			3.0 to 4.0 Feet: Grey SILT and coarse to fine SAND, little medium to fine sub-rounded Gravel; moist; stiff.		12-17-08		S-1	
3								185		
4					4.0 to 5.8 Feet: Similar Soil; wet; water table at approx. 4.5 feet.					
5		20"			*Bottom of Borehole at 5.8 Feet* **Refusal encountered at 5.8 Feet**		12-17-08	25	S-2	
6										
7										
8										
9										
10										

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

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

STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 12/17/08	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 12/17/08	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 6.1 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: M. Kitts	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-162

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					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 medium to fine sub-rounded Gravel; moist; stiff.					
1								1.8		
2		30"					12-17-08		S-1	
3								48		
4					4.0 to 6.1 Feet: Similar Soil; petroleum odors noted. *Bottom of Borehole at 6.1 Feet* **Refusal encountered at 6.1 Feet**					Sample Collected at 15:40
5		30"					12-17-08	190	S-2	
6										
7										
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

ppm=parts-per-million
Depths noted are approx.
Depth of groundwater recorded on this log represents approx. depth at which

009 E:\BACK UP OF JD COMP\MTECH5\JamiesLogs\Sackets Harbor\SB-162.bor

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/17/08
DATE COMPLETED : 12/17/08
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : M. Kitts

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 5.2 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-163

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.0 Feet: Dark Grey coarse to fine sub-angular GRAVEL and coarse to fine SAND; moist; unsorted.					
1					1.0 to 3.0 Feet: Brown SILT, some Clay; moist; dense.			0.3		
2		46"			3.0 to 4.0 Feet: Grey SILT, some coarse to fine Sand, little Clay and medium to fine sub-rounded Gravel; moist; stiff.		12-17-08		S-1	
3								0.5		
4		20"			4.0 to 5.2 Feet: Grey SILT and coarse to fine sub-angular GRAVEL, little Clay; moist; stiff; some petroleum odors noted.		12-17-08		S-2	
5					*Bottom of Borehole at 5.2 Feet* **Refusal encountered at 5.2 Feet**			1.6		
6										
7										
8										
9										
10										

BACK UP OF JD COMP\MTECH5\JamiesLogs\Sackets Harbor\SB-163.bor

Note: Bgs = Below Ground Surface

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 : 12/17/08
DATE COMPLETED : 12/17/08
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : M. Kitts

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 6.2 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-164

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.0 Feet: Dark Grey coarse to fine sub-angular GRAVEL and coarse to fine SAND; moist; unsorted.					
1					1.0 to 3.0 Feet: Brown SILT, little coarse to fine Sand and Clay; moist; dense.			0.8		
2		35"			3.0 to 4.0 Feet: Light Brown SILT and coarse to fine GRAVEL, little Clay; moist; stiff.		12-17-08		S-1	
3								0.6		
4					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**					
5		30"					12-17-08	ND	S-2	
6										
7										
8										
9										
10										

Note: Bgs. = Below Ground Surface.

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

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STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 12/17/08	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 12/17/08	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 6.0 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: M. Kitts	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-165

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 3.0 Feet: Dark Grey coarse to fine sub-angular GRAVEL and coarse to fine SAND; moist; unsorted.					
1					3.0 to 4.0 Feet: Grey SILT and coarse to fine sub-rounded GRAVEL, little Clay; moist; stiff.			ND		
2		24"					12-17-08		S-1	
3								1.8		
4					4.0 to 6.0 Feet: Similar Soil; petroleum odors noted.					
5		24"			*Bottom of Borehole at 6.0 Feet* **Refusal encountered at 6.0 Feet**		12-17-08	1.3	S-2	
6										
7										
8										
9										
10										

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Note: Bgs. = Below Ground Surface.

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 : 12/18/08
DATE COMPLETED : 12/18/08
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : M. Kitts

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.1 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-166

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.0 Feet: Dark Brown coarse to fine SAND, some medium to fine sub-rounded Gravel; moist; unsorted. 1.0 to 4.0 Feet: Light Brown SILT and CLAY, some coarse to fine sub-angular Gravel; moist; water table at approx. 3.5 feet.					
1								ND		
2		35"					12-18-08		S-1	
3								ND		
4					4.0 to 7.1 Feet: Similar Soil becoming very stiff. *Bottom of Borehole at 7.1 Feet* **Refusal encountered at 7.1 Feet**					
5								ND		
		38"					12-18-08		S-2	
6								ND		
7										
8										
9										
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.

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STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/18/08
DATE COMPLETED : 12/18/08
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : M. Kitts

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 7.1 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-167

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0		35"			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.		12-18-08	ND ND	S-1	
4		24"			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**		12-18-08	ND ND	S-2	

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

STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 12/18/08	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 12/18/08	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 8.5 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: M. Kitts	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-168

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Dark Brown coarse to fine SAND and coarse to fine GRAVEL, little Silt; wet.					
1								ND		
2		12"					12-18-08		S-1	
3										
4					4.0 to 8.0 Feet: Brown SILT and CLAY, little sub-angular Gravel; moist; dense.					
5								ND		
6		48"					12-18-08		S-2	
7								ND		
8					8.0 to 8.5 Feet: Similar Soil. *Bottom of Borehole at 8.5 Feet* **Refusal encountered at 8.5 Feet**		12-18-08		S-3	
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
Model 2000 with 10.6 eV lamp, calibrated to 100 ppm isobutylene/air.

ppm=parts-per-million
Depths noted are approx.
Depth of groundwater recorded on this log represents approx. depth at which saturated soil was encountered.

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STRATEGIC ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 1/13/09
DATE COMPLETED : 1/13/09
LOGGED BY : J. Pentland
DRILLING COMPANY : Paragon Environmental
NAME OF DRILLER :

DRILLING METHOD : Direct Push
RIG TYPE : Track Rig
TOTAL DEPTH : 6.7 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-169

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Light Brown medium to fine SAND, trace Silt; wet; loose; water table at approx. 4.0 feet.					
1								0.3		
2		34"					1-13-09		S-1	
3								0.2		
4					4.0 to 5.0 Feet: Similar Soil. 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. *Bottom of Borehole at 6.7 Feet* **Refusal encountered at 6.7 Feet**					Sample Collected at 14:13
5		30"					1-13-09	29.2	S-2	
6										
7										
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

ppm=parts-per-million
Depths noted are approx.
Depth of groundwater recorded on this log represents approx. depth at which

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 12/18/08	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 12/18/08	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 7.0 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: M. Kitts	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-170

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: TOPSOIL and ORGANIC MATTER. 0.5 to 1.5 Feet: Brown medium to fine SAND; moist.					
1					1.5 to 4.0 Feet: Brown SILT and CLAY, some coarse to fine Gravel; moist; stiff.			ND		
2		24"					12-18-08		S-1	
3								ND		
4					4.0 to 7.0 Feet: Similar Soil. *Bottom of Borehole at 7.0 Feet* **Refusal encountered at 7.0 Feet**					
5		48"					12-18-08	ND	S-2	
6								ND		
7										
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

ppm=parts-per-million
Depths noted are approx.
Depth of groundwater recorded on this log represents approx. depth at which saturated soil was encountered.

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STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 12/18/08
DATE COMPLETED : 12/18/08
LOGGED BY : J. Pentland
DRILLING COMPANY : SE, LLC
NAME OF DRILLER : M. Kitts

DRILLING METHOD : Geoprobe
RIG TYPE :
TOTAL DEPTH : 5.0 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-171

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0		36"			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.		12-18-08	ND ND	S-1	
4		18"			4.0 to 5.0 Feet: Similar Soil, some Gravel. *Bottom of Borehole at 5.0 Feet* **Refusal encountered at 5.0 Feet**		12-18-08	ND	S-2	
5										
6										
7										
8										
9										
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.

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STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

LOG OF BORING SB-172

(Page 1 of 1)

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 :
TOTAL DEPTH : 6.7 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0–4		30"			0.0 to 2.0 Feet: Medium to fine sub-angular GRAVEL, some coarse to fine Sand, trace Silt; moist; loose; unsorted. 2.0 to 4.0 Feet: Grey SILT, some Clay, little coarse to fine Sand; moist; heavy petroleum odors.		1-13-09	20.8	S-1	Sample Collected at 10:33
4–6.7		48"			4.0 to 6.7 Feet: Grey SILT and medium to fine sub-angular GRAVEL, little Clay; moist; stiff; slightly plastic; heavy petroleum odors. *Bottom of Borehole at 6.7 Feet* **Refusal encountered at 6.7 Feet**		1-13-09	116	S-2	

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

STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

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 :
TOTAL DEPTH : 6.7 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-173

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Coarse to fine sub-angular GRAVEL, some coarse to fine Sand, little Silt; moist; unsorted; loose.					
1								3.3		
2		23"					1-13-09		S-1	
3								2.7		
4					4.0 to 5.0 Feet: Similar Soil.					Sample Collected at 11:56
5		33"			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* **Refusal encountered at 6.7 Feet**		1-13-09	109	S-2	
6										
7										
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

ppm=parts-per-million
Depths noted are approx.
Depth of groundwater recorded on this log represents approx. depth at which

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SE STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 1/13/09	DRILLING METHOD	: Geoprobe
DATE COMPLETED	: 1/13/09	RIG TYPE	:
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 6.8 Feet
DRILLING COMPANY	: SE, LLC	APPOX. GW DEPTH	:
NAME OF DRILLER	: M. Kitts	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-174

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 1.0 Feet: Brown SILT and medium to fine sub-angular GRAVEL, some coarse to fine Sand; moist; loose.					
1					1.0 to 4.0 Feet: Brown SILT, some Clay, little fine Sand; moist; plastic.			0.4		
2		43"					1-13-09		S-1	
3								0.1		
4					4.0 to 5.0 Feet: Similar Soil.					
5		36"			5.0 to 6.8 Feet: Brown SILT and coarse to fine sub-angular GRAVEL, little Clay; moist; unsorted; slightly plastic. *Bottom of Borehole at 6.8 Feet* **Refusal encountered at 6.8 Feet**		1-13-09	0.4	S-2	
6										
7										
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

ppm=parts-per-million
Depths noted are approx.
Depth of groundwater recorded on this log represents approx. depth at which

STRATEGIC ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

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 :
TOTAL DEPTH : 5.8 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-175

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 2 3		20"			0.0 to 4.0 Feet: Coarse to fine sub-angular GRAVEL and coarse to fine Brown SAND; moist; loose; unsorted.		1-13-09	ND ND	S-1	
4 5		28"			4.0 to 4.5 Feet: Similar Soil. 4.5 to 5.8 Feet: Brown SILT and coarse to fine sub-angular GRAVEL, little Clay; moist; dense. *Bottom of Borehole at 5.8 Feet* **Refusal encountered at 5.8 Feet**		1-13-09	ND	S-2	
6 7 8 9 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.

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SE

STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

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 :
TOTAL DEPTH : 6.2 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-176

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 2 3		30"			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; petroleum odors near 4 feet.		1-13-09	ND 0.9	S-1	
4 5 6		26"			4.0 to 6.2 Feet: Similar Soil; strong petroleum odors. *Bottom of Borehole at 6.2 Feet* **Refusal encountered at 6.2 Feet**		1-13-09	220	S-2	
7 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

ppm=parts-per-million
Depths noted are approx.
Depth of groundwater recorded on this log represents approx. depth at which

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STRATEGIC ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 1/13/09
DATE COMPLETED : 1/13/09
LOGGED BY : J. Pentland
DRILLING COMPANY : Paragon Environmental
NAME OF DRILLER :

DRILLING METHOD : Direct Push
RIG TYPE : Track Rig
TOTAL DEPTH : 5.1 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-177

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0–4		42"			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; unsorted. 1.5 to 4.0 Feet: Brown SILT, little fine Sand and Clay; moist; stiff.		1-13-09	ND ND	S-1	
4–5.1		24"			4.0 to 5.1 Feet: Brown SILT and coarse to fine sub-angular GRAVEL, little fine Sand; moist; unsorted. *Bottom of Borehole at 5.1 Feet* **Refusal encountered at 5.1 Feet**		1-13-09	ND	S-2	

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 groundwater recorded on this log represents approx. depth at which

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 1/13/09
DATE COMPLETED : 1/13/09
LOGGED BY : J. Pentland
DRILLING COMPANY : Paragon Environmental
NAME OF DRILLER :

DRILLING METHOD : Direct Push
RIG TYPE : Track Rig
TOTAL DEPTH : 5.5 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-178

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
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; unsorted.					
1					1.0 to 4.0 Feet: Brown SILT, little fine Sand and Clay; moist; stiff.			ND		
2		38"					1-13-09		S-1	
3								ND		
4					4.0 to 5.5 Feet: Similar Soil. *Bottom of Borehole at 5.5 Feet* **Refusal encountered at 5.5 Feet**		1-13-09	ND	S-2	
5		18"								
6										
7										
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

ppm=parts-per-million
Depths noted are approx.
Depth of groundwater recorded on this log represents approx. depth at which saturated soil was encountered.

STRATEGIC ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 1/13/09
DATE COMPLETED : 1/13/09
LOGGED BY : J. Pentland
DRILLING COMPANY : Paragon Environmental
NAME OF DRILLER :

DRILLING METHOD : Direct Push
RIG TYPE : Track Rig
TOTAL DEPTH : 5.8 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-179

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 – 4		44"			0.0 to 4.0 Feet: Brown SILT and CLAY, trace medium to fine Sand; moist; plastic.		1-13-09	ND ND	S-1	
4 – 5.8		23"			4.0 to 5.8 Feet: Brown and Grey SILT, little coarse to fine sub-angular Gravel, little fine Sand; moist; stiff; unsorted. *Bottom of Borehole at 5.8 Feet* **Refusal encountered at 5.8 Feet**		1-13-09	0.4	S-2	Sample Collected at 11:17

Depth scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

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

STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 1/13/09	DRILLING METHOD	: Direct Push
DATE COMPLETED	: 1/13/09	RIG TYPE	: Track Rig
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 7.5 Feet
DRILLING COMPANY	: Paragon Environmental	APPOX. GW DEPTH	:
NAME OF DRILLER	:	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-180

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Brown medium to fine SAND, little Silt; moist. 0.5 to 1.0 Feet: Medium to fine sub-rounded GRAVEL and coarse to fine SAND; moist; unsorted; loose. 1.0 to 4.0 Feet: Brown SILT, little Clay, little medium to fine Sand; moist; stiff.					
1								ND		
2		38"					1-13-09		S-1	
3								ND		
4					4.0 to 7.5 Feet: Brown SILT, little Clay, little medium to fine Sand; moist; stiff. *Bottom of Borehole at 7.5 Feet* **Refusal encountered at 7.5 Feet**					
5								ND		
6		40"					1-13-09		S-2	
7								ND		
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.
Depth of groundwater recorded on this log represents approx. depth at which saturated soil was encountered.

STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 1/13/09	DRILLING METHOD	: Direct Push
DATE COMPLETED	: 1/13/09	RIG TYPE	: Track Rig
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 8.7 Feet
DRILLING COMPANY	: Paragon Environmental	APPOX. GW DEPTH	:
NAME OF DRILLER	:	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-181

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Brown SILT, some Clay; moist; stiff.					
1								ND		
2		46"					1-13-09		S-1	Sample Collected at 11:57
3								ND		
4					4.0 to 8.7 Feet: No Recovery-macro-core jammed *Bottom of Borehole at 8.7 Feet* **Refusal encountered at 8.7 Feet**					
5										
6										
7								ND		
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

ppm=parts-per-million
Depths noted are approx.
Depth of groundwater recorded on this log represents approx. depth at which

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 1/13/09
DATE COMPLETED : 1/13/09
LOGGED BY : J. Pentland
DRILLING COMPANY : Paragon Environmental
NAME OF DRILLER :

DRILLING METHOD : Direct Push
RIG TYPE : Track Rig
TOTAL DEPTH : 6.5 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-182

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Dark Brown SILT, some Clay, little fine Sand; moist; stiff.					
1								ND		
2		46"					1-13-09		S-1	
3								ND		
4					4.0 to 6.5 Feet: Similar Soil; very stiff. *Bottom of Borehole at 6.5 Feet* **Refusal encountered at 6.5 Feet**					
5							1-13-09	ND	S-2	
6										
7										
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

ppm=parts-per-million
Depths noted are approx.
Depth of groundwater recorded on this log represents approx. depth at which saturated soil was encountered.

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STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 1/13/09
DATE COMPLETED : 1/13/09
LOGGED BY : J. Pentland
DRILLING COMPANY : Paragon Environmental
NAME OF DRILLER :

DRILLING METHOD : Direct Push
RIG TYPE : Track Rig
TOTAL DEPTH : 5.6 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-183

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 1 2 3		12"			0.0 to 4.0 Feet: Coarse to fine sub-angular GRAVEL and coarse to fine SAND, trace Silt; moist; loose; unsorted.		1-13-09	0.5	S-1	
4 5		12"			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 to 5.6 feet. *Bottom of Borehole at 5.6 Feet* **Refusal encountered at 5.6 Feet**		1-13-09	73.6	S-2	Sample Collected at 13:26
6 7 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.
Depth of groundwater recorded on this log represents approx. depth at which saturated soil was encountered.

STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

LOG OF BORING SB-184

(Page 1 of 1)

DATE STARTED : 1/13/09
DATE COMPLETED : 1/13/09
LOGGED BY : J. Pentland
DRILLING COMPANY : Paragon Environmental
NAME OF DRILLER :

DRILLING METHOD : Direct Push
RIG TYPE : Track Rig
TOTAL DEPTH : 5.8 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0 – 4		46"			0.0 to 4.0 Feet: Brown SILT and some Brown CLAY, trace fine Sand; moist; stiff.		1-13-09	1.8 0.8	S-1	Sample Collected at 14:19
4 – 5.8		38"			4.0 to 5.8 Feet: Brown SILT and medium to fine sub-rounded GRAVEL, little coarse to fine Sand; moist; very stiff. *Bottom of Borehole at 5.8 Feet* **Refusal encountered at 5.8 Feet**		1-13-09	0.3	S-2	

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

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STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 1/13/09
DATE COMPLETED : 1/13/09
LOGGED BY : J. Pentland
DRILLING COMPANY : Paragon Environmental
NAME OF DRILLER :

DRILLING METHOD : Direct Push
RIG TYPE : Track Rig
TOTAL DEPTH : 3.5 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-185

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 3.5 Feet: Brown SILT, some Clay, trace medium to fine Sand; moist; stiff. *Bottom of Borehole at 3.5 Feet* **Refusal encountered at 3.5 Feet**					
1								0.3		
2		48"					1-13-09		S-1	
3								0.2		
4										
5										
6										
7										
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.
ND=None Detected

ppm=parts-per-million
Depths noted are approx.
Depth of groundwater recorded on this log represents approx. depth at which saturated soil was encountered.

STRATEGIC ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 1/13/09
DATE COMPLETED : 1/13/09
LOGGED BY : J. Pentland
DRILLING COMPANY : Paragon Environmental
NAME OF DRILLER :

DRILLING METHOD : Direct Push
RIG TYPE : Track Rig
TOTAL DEPTH : 3.5 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-186

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0		30"			0.0 to 1.5 Feet: Brown SILT, little Clay; moist; stiff. 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**		1-13-09	55.6	S-1	Sample Collected at 14:55
1										
2										
3										
4										
5										
6										
7										
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.
ND=None Detected

ppm=parts-per-million
Depths noted are approx.
Depth of groundwater recorded on this log represents approx. depth at which saturated soil was encountered.

STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 1/13/09
DATE COMPLETED : 1/13/09
LOGGED BY : J. Pentland
DRILLING COMPANY : Paragon Environmental
NAME OF DRILLER :

DRILLING METHOD : Direct Push
RIG TYPE : Track Rig
TOTAL DEPTH : 3.8 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-187

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 3.8 Feet: Brown SILT, some Clay, trace medium to fine Sand; moist; dense. *Bottom of Borehole at 3.8 Feet* **Refusal encountered at 3.8 Feet**					
1								0.4		
2		44"					1-13-09		S-1	
3								0.3		
4										
5										
6										
7										
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.
ND=None Detected

ppm=parts-per-million
Depths noted are approx.
Depth of groundwater recorded on this log represents approx. depth at which saturated soil was encountered.

STRATEGIC
ENVIRONMENTAL LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED : 1/13/09
DATE COMPLETED : 1/13/09
LOGGED BY : J. Pentland
DRILLING COMPANY : Paragon Environmental
NAME OF DRILLER :

DRILLING METHOD : Direct Push
RIG TYPE : Track Rig
TOTAL DEPTH : 4.0 Feet
APPOX. GW DEPTH :
SAMPLING METHOD : Macro-Core

LOG OF BORING SB-188

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 4.0 Feet: Brown SILT, some Clay; moist; very stiff. *Bottom of Borehole at 4.0 Feet* **Refusal encountered at 4.0 Feet**					
1								0.2		
2		46"					1-13-09		S-1	Sample Collected at 15:01
3								0.3		
4										
5										
6										
7										
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.
ND=None Detected

ppm=parts-per-million
Depths noted are approx.
Depth of groundwater recorded on this log represents approx. depth at which saturated soil was encountered.

STRATEGIC
ENVIRONMENTAL, LLC

PROJECT: Sackets Harbor
PROJECT NO.: 06-742
LOCATION: Former AFMC Petroleum Terminal
Ambrose Street, Sackets Harbor, NY

DATE STARTED	: 1/13/09	DRILLING METHOD	: Direct Push
DATE COMPLETED	: 1/13/09	RIG TYPE	: Track Rig
LOGGED BY	: J. Pentland	TOTAL DEPTH	: 5.7 Feet
DRILLING COMPANY	: Paragon Environmental	APPOX. GW DEPTH	:
NAME OF DRILLER	:	SAMPLING METHOD	: Macro-Core

LOG OF BORING SB-189

(Page 1 of 1)

Depth in (feet)	Blow Count	RECOVERY (inches)	USCS	GRAPHIC	DESCRIPTION	Depth of Change	DATE	MAX PID (ppm)	Core I.D.	COMMENTS
0					0.0 to 0.5 Feet: Black coarse to fine SAND and medium to fine sub-angular GRAVEL; moist; loose; unsorted.					
1					0.5 to 3.0 Feet: Brown SILT, some Clay, trace medium to fine Sand; moist; stiff.			2.0		
2		46"			3.0 to 4.0 Feet: Brown SILT and CLAY, some medium to fine sub-rounded Gravel; moist; dense; stiff.		1-13-09		S-1	
3								1.5		
4					4.0 To 5.7 Feet: Grey SILT, some Clay, little medium to fine sub-rounded Gravel and coarse to fine Sand; wet; loose; staining and heavy petroleum odors near bottom.					Sample Collected at 15:36
5		26"			*Bottom of Borehole at 5.7 Feet.* **Refusal Encountered at 5.7 Feet.**			78		
6										
7										
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.
Depth of groundwater recorded on this log represents approx. depth at which saturated soil was encountered.

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.

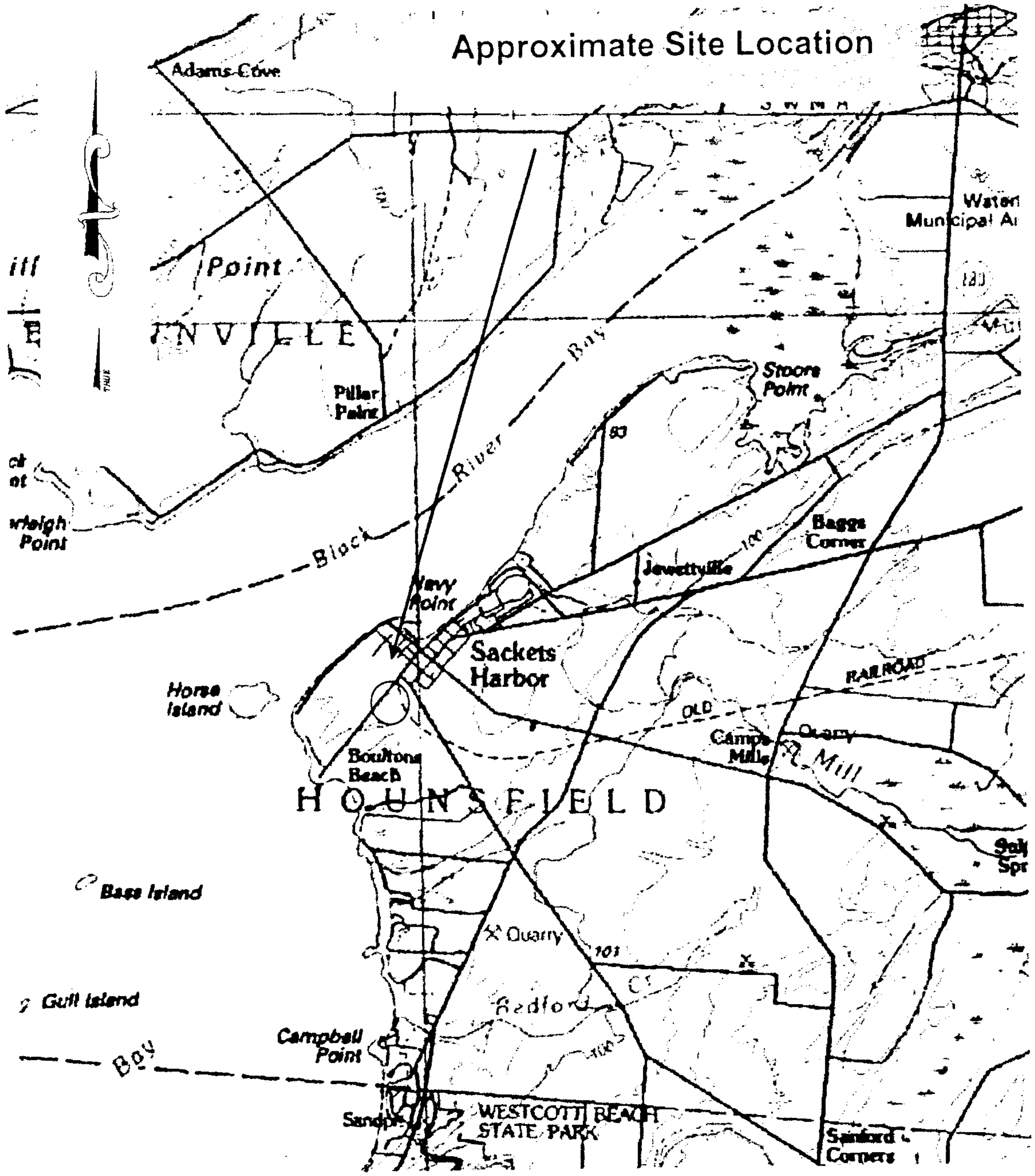
In the event that VOC concentrations in the breathing zones are recorded to be sustained at or above 5 ppm for a period of 5 minutes or more, if measurable airborne particulates less than 10 microns in size are recorded at average concentrations at or above 100 micrograms per cubic meter (mg/m^3) more 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

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/m^3) 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/m^3 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/m^3) 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/m^3) of the upwind level and in preventing visible dust migration.



Source: msrmaps.com

Strategic Environmental, LLC
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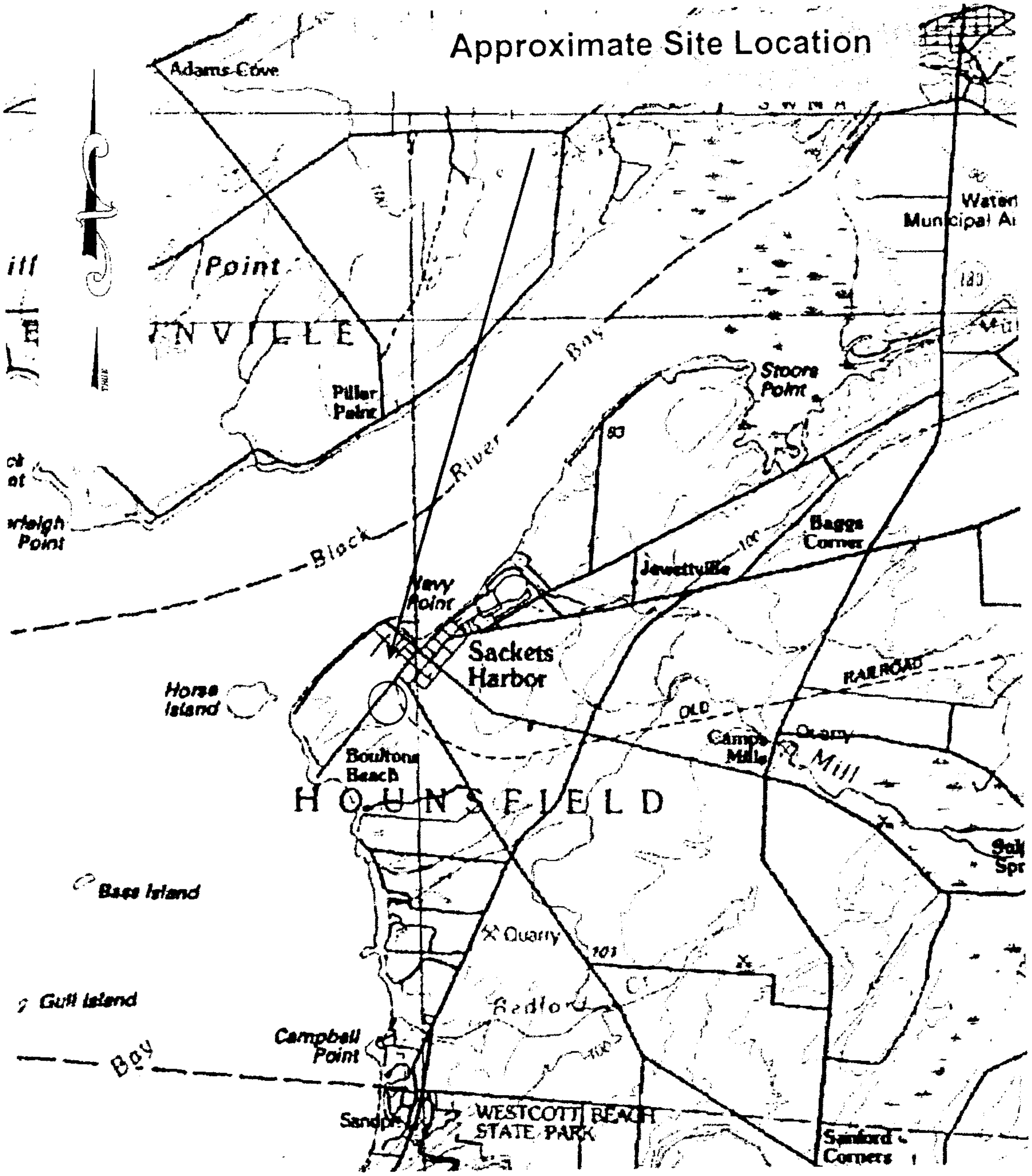
Topographic Site Map
Former AFMC Storage Facility
Sackets Harbor, NY
SE Project No: 10-710

FIGURE 1



Source: msrmaps.com

SE

Strategic Environmental LLC
[illegible] Water Street
[illegible]
[illegible]
[illegible]

Topographic Site Map
Former AFMC Storage Facility
Sackets Harbor, NY
SE Project No: 10-710

FIGURE 1

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