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May 22, 2009

New York State Department of Environmental Conservation
Division of Environmental Remediation, Bureau of Technical Support
625 Broadway, 11th Floor
Albany, New York 12233-7020

Attn: Mr. Christopher Magee

Re: *Test Pit and Soil Boring Investigation Results*
CPB Edgemere Site (SP# 02-07599)
3229 Far Rockaway Boulevard (Block 15950, Lot 29)
Edgemere, Queens, New York
TRC Job No. 159807

Dear Mr. Magee:

TRC has prepared the following letter report to summarize the test pit and soil boring investigation program completed at the CPB Edgemere site (Site) between March 10 and May 7, 2009.

1.0 INTRODUCTION

Following the observation of petroleum hydrocarbons in the subsurface soils of the Site during due diligence activities in 2002, remedial investigation activities were initiated. In 2004, two former underground storage tank (USTs) and petroleum -impacted soils were excavated and removed from the Site. In 2008, TRC conducted additional environmental investigations at the Site, including soil borings and monitoring wells. During these activities, TRC observed petroleum hydrocarbons in the shallow hydrogeologic zone. The observation of petroleum hydrocarbons was unexpected, based on the documented 2004 remedial excavation that was undertaken to remove the petroleum hydrocarbon impact. General fluctuations in ground water elevations in the shallow zone may influence the observations of petroleum product in the wells.

The presence of the petroleum hydrocarbons may render the current remedial plan, primarily designed to address chlorinated solvent impacts, potentially inefficient or ineffective and therefore, may necessitate the development of a more comprehensive remedial strategy that concurrently addresses both petroleum and chlorinated solvent impacts in the southwestern

portion of the Site. Therefore, TRC conducted additional investigation activities in 2009 to further evaluate and possibly removed the petroleum hydrocarbon impact.

This letter reviews the site background, summarized recent investigation activities, presents an evaluation of the known petroleum hydrocarbon and chlorinated solvent impacts at the Site, and proposed future actions to address these conditions.

2.0 BACKGROUND

The 1.3-acre Site is located between Far Rockaway Boulevard and the Rockaway Freeway (near Beach 32nd Street) in Edgemere, New York. Figure 1 provides a Site Location Map and Figure 2 presents the Site Plan. The Site is located approximately 450 feet south west of the Norton Basin of the Jamaica Bay and approximately 2,200 feet (0.4 miles) north of the Atlantic Ocean. The property is currently vacant and has been designated on local tax maps as Block 15990, Lot 29. A review of historic Sanborn Maps and available literature indicate that a water body known as Norton's Creek extended from Norton Basin through the western portion of the Site, and was reported by the New York Times to be filled in 1906.

Geology

The overburden material encountered at the Site has been divided into three distinct geologic zones (shallow, intermediate and deep) which are described below.

Shallow Zone
The shallow zone is approximately 20 feet thick and consists of layers of artificial fill materials (including brown fine to coarse sand with varying amounts of debris), and native or dredged soils (brown and gray sands with minor gravels) from the surface to depths ranging from 8 to 20 feet below grade. Below the artificial fill and sand layers, organic silty clay (1-4 feet thick) with interbedded sand lenses are found at the base of the shallow zone, at depths ranging from approximately 11 and 20 feet below grade. The depth, composition and thickness of the clay layer vary greatly.

The depth to water in the shallow zone is approximately 6 to 11 feet below grade, occurring within the artificial fill or the sand. Ground water flows primarily to the northwest, toward Jamaica Bay under relatively flat horizontal hydraulic gradients with an average of approximately 0.003 feet/foot (ft/ft). No tidal influence has been observed in shallow zone monitoring wells.

Intermediate Zone
The intermediate zone consists of two lithologic units. A light brown-green coarse to fine sand with gravel and varying amounts of silt and clay is encountered at a depth of approximately 20 feet below grade. The silt and clay content increases with depth at 30 feet below grade. A second clay unit (about 17 feet thick) occurs at a depth of approximately 37 feet below grade and consists of dark grey soft clay with interbedded sand or silt laminations and trace shell fragments.

Ground water in the intermediate zone principally occurs within the sand. Ground water flows primarily to the west under very small horizontal hydraulic gradients with an average of approximately 0.0007 ft/ft. Ground water levels within this zone are influenced by tidal fluctuations of nearby surface water bodies with corresponding fluctuations that range form approximately 0.1 to 0.3 feet. Tidal fluctuations do not cause gradient reversals but impart a relative deviation/shift in a northwesterly or southwesterly direction to the flow.

The vertical ground water flow potential between the shallow and intermediate zones across the shallow silty clay is predominantly downward with temporary localized changes due to tidal fluctuations and precipitation.

Deep Zone
The lower clay layer serves as an aquitard separating the intermediate and deep zones and appears to act as a confining/semi-confining unit to both zones. This clay layer appears to be continuous and consistent throughout the investigation area. A brown-gray, fine to medium sand occurs underneath the second clay unit at a depth of approximately 54 feet below grade and is greater than 40 feet thick.

Site Operational History

A review of Sanborn fire insurance (Sanborn) maps depicting the Site in 1933, 1951, and 1981 and historical aerial photography indicates that a linear building structure was formerly located on the Site, along the western property boundary. The building's use was reported on the 1933 Sanborn map as a plumbing supply house, and on the 1951 Sanborn map used as a garage. Both Sanborn maps depict two gasoline tanks in the northern portion of the building. The building was not present on the 1981 Sanborn map, and no additional Sanborn maps depicting the Site between 1933 and 1981 are available. Available on-line historic aerial photographs depict the building in 1954 and 1966.

Environmental Investigation History

In 2002, environmental site investigation activities conducted at the Site revealed evidence of a petroleum release, and the New York State Department of Environmental Conservation (NYSDEC) subsequently assigned Spill Number 02-07599 to the property.

To address the petroleum impacts, Anson Environmental, Ltd. (Anson) of Huntington, New York conducted a soil excavation program at the Site between June and November 2004. During the soil excavation activities, two fuel oil underground storage tanks (USTs), 300 and 1,500 gallons in capacity, were uncovered and removed. Anson reported that 13,882 tons of petroleum-impacted soil and 12,430 gallons of oil and water were removed for off-Site disposal. The final extent of excavation was reported to be approximately 11,000 square feet in area, and 8 feet below grade. During these excavation activities, an area of soil (green in color) was also discovered, which was later found to contain elevated concentrations of chlorinated volatile organic compounds (CVOCs). This area was also excavated and 418 tons of contaminated soil was reportedly removed for off-site disposal. No discussions were reported about the occurrence or observations of petroleum hydrocarbon free product in the area of the CVOC remedial excavation.

In preparation of a remedial pilot study to estimate the feasibility of chemical oxidation to address ground water CVOC impacts, TRC conducted additional environmental investigations at the Site in 2008, which included the installation of monitoring wells and soil borings. In association with these activities, TRC observed petroleum hydrocarbon impacts in the organic clay, initially as localized residual impacts in the shallow zone. However, at later time (March 2009), petroleum accumulations were observed in shallow monitoring well PZ-2 and intermediate monitoring well MW-4i in thicknesses of up to 2.12 feet and 0.15 feet, respectively. The observation of petroleum hydrocarbons at the Site warranted additional investigation. These activities are summarized in the following section.

3.0 INVESTIGATION TECHNICAL OVERVIEW

The following subsections provide a technical overview of the remedial investigation activities completed between March and May 2009 at the Site.

March 2009 Test Pit Program

On March 9-10, 2009, TRC completed an exploratory test pit excavation program designed to evaluate the extent of the free product observed at PZ-2, and to remove free product and impacted soil. During this program, an excavation contractor (Brookside Environmental Inc. of Huntsville, NY [Brookside]) completed three test pits (TP's -1, -2, and -3), to the west, north,

and east of PZ-2, respectively. As required by the State law, at least 3 days prior to initiation of intrusive activities, Brookside requested an underground utility mark-out from the New York State one-call service (e.g., DigSafe). Test pits TP-1 through TP-3 generally extended to the west, north, and east of well PZ-2 until no visible evidence of petroleum impacts or product was observed along the sidewalls of the excavations. To mitigate potential cross contamination between the shallow and intermediate zones, the excavations were terminated at the top of the clay layer at approximately 9.5 feet below grade. The test pit locations are depicted on Figure 2.

During test pit excavation activities, TRC screened soils removed from the test pits using visual and olfactory observations, and a photo-ionization detector (PID), and directed Brookside to stockpile soils exhibiting evidence of petroleum impacts. TRC additionally logged each test pit for lithology, presence or absence of evidence of petroleum impacts, sensory observations, PID measurements, and presence of ground water, and photographed the materials encountered during the test pit excavation activities. All field observations and measurements were documented by TRC in a field notebook.

During excavation of TP's -1 through -3, petroleum impacted soil and LNAPL were encountered warranting removal in the vicinity of PZ-2 and adjacent monitoring wells near the ground water table. An estimated 80 tons of petroleum-impacted soils were removed from the excavation, staged on plastic sheeting, and covered by plastic sheeting for future off-site disposal. Following the completion of excavation activities, and prior to test pit backfilling, approximately 445 gallons of petroleum hydrocarbons and water were removed from test pit TP-2 by a vacuum truck operated by Enviro-Waste Oil Recovery LLC of Mahopac, NY (Enviro-Waste). Following fluid removal, each test pit was backfilled with excavated soils that did not exhibit field evidence of petroleum impacts, and with imported clean fill. Attachment 1 provides test pit excavation logs, and Attachment 2 presents photos of the test pit locations. Table 1 provides a summary of sample collection locations, analytical parameters, and rationale for sample collection.

April 2009 Test Pit Program

Based on the findings of the March 2009 test pit program, TRC initiated a second test pit excavation program in April 2009 to delineate the petroleum hydrocarbons near areas of concern identified in historic documents (e.g., former gasoline tanks, Anson excavation area, etc.). Prior to conducting this program, Brookside requested an underground utility mark-out from DigSafe, as required. Under TRC's oversight, Brookside completed ten test pits (TP's -4, through -13) at varying locations at the Site. To mitigate potential cross contamination between the shallow and intermediate zones, the excavations were terminated at the top of the clay layer (where encountered). The locations of test pits TP-4 through TP-13 are depicted on Figure 2.

During test pit excavation activities, TRC screened soils removed from the test pits using visual and olfactory observations, and a photo-ionization detector (PID), and directed Brookside to stockpile soils exhibiting evidence of petroleum impacts. TRC additionally logged each test pit for lithology, presence or absence of evidence of petroleum impacts, sensory observations, PID measurements, and presence of ground water, and photographed the materials encountered during the test pit excavation activities. Based on sensory observations and PID measurements, TRC selected soil samples bias toward suspected contamination, collected these samples with dedicated, disposable sampling equipment, and submitted them for analysis under laboratory chain-of-custody procedures to Accutest Laboratories of Dayton, New Jersey (Accutest) for analysis of total petroleum hydrocarbons (TPHC), volatile organic compounds (VOCs), and base-neutral organic compounds (BNs). An isolated area of green and blue discolored soil was observed in the south east corner of TP-7, and towards the north of TP-12. This soil did not possess any odors or elevated PID readings. All field observations, measurements, and sample collection information were documented by TRC in a field notebook.

During April 2009 test pit excavation activities, petroleum-impacted soil and floating petroleum hydrocarbons were encountered at test pit TP-5 in association with a former building foundation wall (grade beam). An estimated 20 tons petroleum-impacted soils were removed from the excavation, staged on plastic sheeting, and covered by plastic sheeting for future off-site disposal. Following the completion of excavation activities, and prior to test pit backfilling, approximately 1830 gallons of petroleum hydrocarbons and water were removed from test pit TP-5 by a vacuum truck operated by Enviro-Waste. Following fluid removal, each test pit was backfilled with excavated soils that did not exhibit field evidence of petroleum impacts, and with imported clean fill. Attachment 1 provides test pit excavation logs, and Attachment 2 presents photos of the test pit locations.

During the April 2009 test pit program, samples of the floating petroleum hydrocarbons (product) were collected for laboratory analysis from shallow zone monitoring well PZ-2 and intermediate zone well MW-4i. These samples were submitted to Accutest Laboratories for analysis of product type and volatile organic compounds (VOCs). Table 1 provides a summary of the soil and product sample collection locations, analytical parameters, and rationale for sample collection.

Following receipt of analytical results from Accutest, product samples from wells PZ-2 and MW-4i were sent to Torkelson Geochemistry, Inc, (Torkelson) for additional product type and forensic analysis.

May 2009 Soil Boring Program

On May 4th, 6th, and 7th, 2009, TRC completed a supplemental soil boring program to delineate the vertical and areal extent of petroleum hydrocarbons within and below the shallow zone. As required by the State law, an underground utility mark-out was requested prior to conducting intrusive activities. Under TRC oversight, a drilling subcontractor (Zebra Environmental Corp. of Lynbrook, New York [Zebra]) completed 25 soil borings (SB's -1, through -25) to depths ranging from 15 to 40 feet using the direct push (Geoprobe®) drilling method. Soil borings were generally located on a 25-foot grid pattern, with additional borings located in the vicinity of the MW-4 well cluster. The soil boring locations are depicted on Figure 2.

During soil boring activities, TRC screened soil boring cuttings using visual and olfactory observations, and a photo-ionization detector (PID). TRC additionally logged each soil boring for lithology, presence or absence of evidence of petroleum impacts, sensory observations, PID measurements, and presence of ground water, and photographed the materials encountered during the soil boring activities. Based on sensory observations and PID measurements, TRC selected soil samples bias toward suspected contamination, collected these samples with dedicated, disposable sampling equipment, and submitted them for analysis under laboratory chain-of-custody procedures to Accutest for analysis of VOCs. All field observations, measurements, and sample collection information were documented by TRC in a field notebook.

At four soil boring locations (SB-5, SB-11, SB-18, and SB-21), ground water samples were collected from the direct-push boreholes from the upper portion and lower portion of the intermediate zone sands for analysis of VOCs. To collect these samples, decontaminated drilling rods containing a 4-foot length of decontaminated stainless steel screen were advanced through the soil borehole to the base of the targeted ground water sample interval. The drill rods were then pulled 4 feet upward, exposing the screen inside to the formation. Through this screen, the borehole was purged to remove excessive sediment and sampled for VOC analysis using dedicated, disposable tubing and a decontaminated stainless steel foot check valve. Following sample collection, the screen and drill rods were removed and decontaminated for future use. Finally, all of the borings that penetrated the first clay unit were grouted using a Portland cement and bentonite mixture, to minimize the potential for vertical contaminant migration.

Attachment 1 provides soil boring logs, and Attachment 2 presents selected photos from the soil boring program. Table 1 provides a summary of sample collection locations, analytical parameters, and rationale for sample collection.

4.0 INVESTIGATION FINDINGS

The following subsections provide a summary of the findings of the remedial investigation activities completed between March and May 2009 at the Site.

Lithology

In test pits TP-1, TP-2, TP-3, TP-5, TP-6, TP-7, and TP-8, the artificial fill material consisted of brown sand with large concrete blocks, concrete aggregate, bricks, and timbers from the ground surface to depths of up to 9.5 feet below grade. Similar fill material was encountered at depths greater than 5 feet below grade in borings SB-6, SB-7, SB-9, SB-10, SB-11, SB-12, SB-13, SB-14, SB-15, SB-16, SB-17, SB-18, SB-19, SB-22, SB-23, and SB-24.

Below the fill materials and sands (as described in the geology section above), clay or organic materials (peat, roots, etc.) were encountered in all soil borings at depths ranging from 10 to 26 feet below grade. Clay/organic thicknesses varied from a 0.5-foot thick layer of peat (at SB-3) to an apparent thickness of 3.5 feet boring SB-13. Despite encountering clay in each boring, the range of depths and thicknesses of the clay encountered indicate that the organic clay is discontinuous, with intervening sand lenses. As such, stratigraphic correlation between the observed clay lenses indicates that gaps are present between the shallow zone sand and intermediate zone sand, which would account for the presence of some contaminants (CVOCs and petroleum) within the intermediate zone.

Free and Residual Petroleum

Field evidence of mobile (free-phase) and non-mobile (residual-phase) petroleum hydrocarbons encountered in several locations are summarized on the following table:

Test Pit/Boring Location	Free or Residual Product Depth (feet)	Observations:
TP-3	9.5	Staining, Odor, Free-Phase Product On Ground Water Table
TP-5	9.5-13	Staining, Odor, Free-Phase Product On and Below Ground Water Table
TP-6	8-10	Odor, Residual Petroleum-Like Globules
TP-8	8-8.5	Free-Phase Product on Ground Water Table
TP-13	10-10.5	Odor, Residual Petroleum-Like Globules
SB-7	N/A	Petroleum-Like Sheen Within Macrocore Sleeve From 10-15 ft Core
SB-9	8-16.5	Sheen, Odor, Residual Product Globules Product On and Below Ground Water Table
SB-10	6.5-7	Odor, Residual Petroleum-Like Globules
SB-11	7-12	Sheen, Odor, Residual Product Globules Product On and Below Ground Water Table
SB-12	6-13.5	Sheen, Odor, Residual Product Globules Product On and Below Ground Water Table
SB-14	6-13	Sheen, Odor, Free-Phase Product On and Below Ground Water Table
SB-15	6	Petroleum-Like Staining
SB-16	6.25-7	Sheen
SB-17	6.5	Sheen
SB-18	6-7	Petroleum-Like Sheen and Odor
SB-19	6.5	Free-Phase Product On Ground Water Table
SB-22	8.5-12	Petroleum-Like Sheen and Odor
SB-23	10-11	Odor, Free-Phase Product Below Ground Water Table

To further characterize the petroleum hydrocarbons, samples were submitted for total petroleum hydrocarbon (TPHC) analysis. A total of 10 soil samples from test pits TP-4 through TP-13 were analyzed for TPHC. TPHC analytical results ranged from less than 1 milligram per kilogram (mg/kg) (samples TP-4 9.5-10 and TP-11 11.5-12) to 17,900 mg/kg (sample TP-5 10-10.5). The TPHC analytical results are summarized in Table II, and on Figure 3. Figure 3 also summarizes the estimated extent of free and residual petroleum present, based on soil analytical results and field evidence of petroleum impacts, as summarized above. As shown on Figure 3, the estimated extent of free and residual petroleum generally lies within the boundaries of the 2004 Anson excavation area, and spans an area of approximately 100 feet by 100 feet.

Product Analysis Results

Product samples collected from PZ-2 and MW-4 on April 28, 2009 were submitted to Accutest for product identification. Accutest reported that both samples match gas chromatograph patterns for weathered number (No.) 6 fuel oil and for weathered heavier petroleum products (such as hydraulic oil). Each sample was also analyzed for the presence of the principal CVOC found at the Site, trichloroethene (TCE). The sample from well PZ-2, screening the shallow zone, contained TCE in a concentration of 123 milligrams per liter (mg/L). The sample from well MW-4i, screening the intermediate zone, contained TCE in a concentration of 23,500 mg/L (approximately 2.35% by mass).

Following analysis by Accutest, product samples were sent to Torkelson for additional analyses. Final analytical results from Torkelson are not currently available. Upon receipt, these laboratory results will be submitted to the NYSDEC under separate cover.

VOC and BN Soil Results

A total of 22 soil samples were analyzed for VOCs. Tetrachloroethene (PCE), TCE, trans-1,2-dichloroethene (trans-1,2-DCE), vinyl chloride (VC), and 1,1-dichloroethene (1,1-DCE) were detected in one or more soil sample in excess of the New York State Department of Environmental Conservation (NYSDEC) Restricted Use Soil Cleanup Objective (RUSCO). TCE, the principal contaminant of concern for the Site, was detected in ten soil samples in excess of the NYSDEC RUSCO, in concentrations ranging from 1.42 mg/kg to 6,990 mg/kg. TCE results in excess of 100 mg/kg were detected in samples SB-13 10-10.5 (659 mg/kg), SB-13 11-11.5 (996 mg/kg), SB-17 8.5-9 (201 mg/kg), SB-17 15-15.5 (889 mg/kg), SB-20 12-12.5 (1,980 mg/kg), and SB-14 32-32.5 (6,990 mg/kg). Observations from the SB-14 32-32.5 sample indicated a strong solvent odor and highly elevated PID readings. Soil VOC samples results are summarized on Figure 4, and in Table 2.

A total of 11 soil samples were analyzed for BNs. Concentrations of a total of seven BN compounds from sample TP-5 9-9.5 and one BN compound from sample TP-5 10-10.5 exceeded the NYSDEC RUSCO for their respective compound. These compounds are likely attributed to the presence of petroleum within the soil sample. Soil BN sample results are summarized in Table 2.

Chlorinated VOC Ground Water Results

A total of 8 hydropunch ground water samples (plus one duplicate sample) were collected from 4 soil borings (SB-5, SB-11, SB-18, and SB-21). At each boring location, one sample was collected from near the base of the intermediate zone and one sample was collected from near the top of the intermediate zone, and was analyzed for VOCs to evaluate the relative width of the

CVOC plume. In these samples, TCE, cis-1,2-dichloroethene (cis-1,2-DCE), and VC were detected in only 2 samples (SB-11 GW 25-27 and SB-5 GW 23-27) above the NYSDEC's Ground Water Quality Standards (GWQS). As shown on Figure 2, soil borings SB-11 and SB-5 are located approximately and 25 and 55 feet northwest of the MW-4 well cluster, respectively. Trans-1,2-DCE was additionally detected in sample SB-11 GW 25-27 in concentrations above the NYSDEC's GWQS. Additionally, total xylenes, a VOC related to petroleum products, was detected in sample SB-5 GW 23-27 at a concentration that exceeds the NYSCEC's GWQS. Hydropunch sample locations are shown on Figure 2. Ground water analytical results are provided in Table 3. Additional lab results are pending from contingent samples and will be presented when they are available.

5.0 CONCLUSIONS

Based on the March-May 2009 investigation activities and previous investigations, the following conclusions are provided:

- Analytical results for samples collected from the shallow clay lenses indicate that CVOC impact to the first clay unit covers a greater area than previously recognized;

- Despite the completion of the 2004 remedial excavation, an area of more than 1,000 square yards of free and residual petroleum impacts is present at and below the ground water table, around the MW-4 well cluster (the area of the Site that requires ground water CVOC remediation);

- Despite encountering clay in each boring, the range of depths and thicknesses of the clay encountered indicate that the organic clay is discontinuous, with intervening sand lenses. As such, stratigraphic correlation between the observed clay lenses indicates that gaps are present between the shallow zone sand and intermediate zone sand, which would account for the presence of some contaminants (CVOCs and petroleum) within the intermediate zone;

- The concentrations of TCE measured in soil sample SB-14 32.5-33 (e.g. 32-33 feet below grade) and the product sample collected from MW-4i indicate that a TCE source area is present in the vicinity of MW-4i in the intermediate zone; and

- Product sample analytical results indicate a relationship between petroleum hydrocarbons encountered in the shallow and intermediate zones, and a relationship between the petroleum and TCE impacts in the intermediate zone.

- While hydropunch ground water samples suggest that ground water impacts to the intermediate ground water zone are restricted to the vicinity of the MW-4i location (the area planned for ground water remediation for CVOCs), soil analytical results from the first clay unit from a number of locations, especially soil boring SB-20, suggest that CVOC impacts to the first clay may require remediation as a CVOC source;

6.0 REMEDIAL ALTERNATIVES ANALYSIS

TRC and the Client (CPB) are currently evaluating alternative remedial options to address the expanded area of contamination. Based on the results of this investigation, the potential treatment area has expanded beyond the scope of the previously proposed remedial options. Additionally, the petroleum product area is larger than previously anticipated, which alters the remedial goals and objectives, and will require a different treatment plan.

Based on the information provided in this report, additional time is required to develop and evaluate proposed remedial alternatives with our client in the next two weeks. TRC will submit a revised project schedule to the NYSDEC under separate cover, providing the revised remedial plan for the Site.

If you have any questions or need additional information, please call.

Very truly yours,

TRC ENVIRONMENTAL CORPORATION

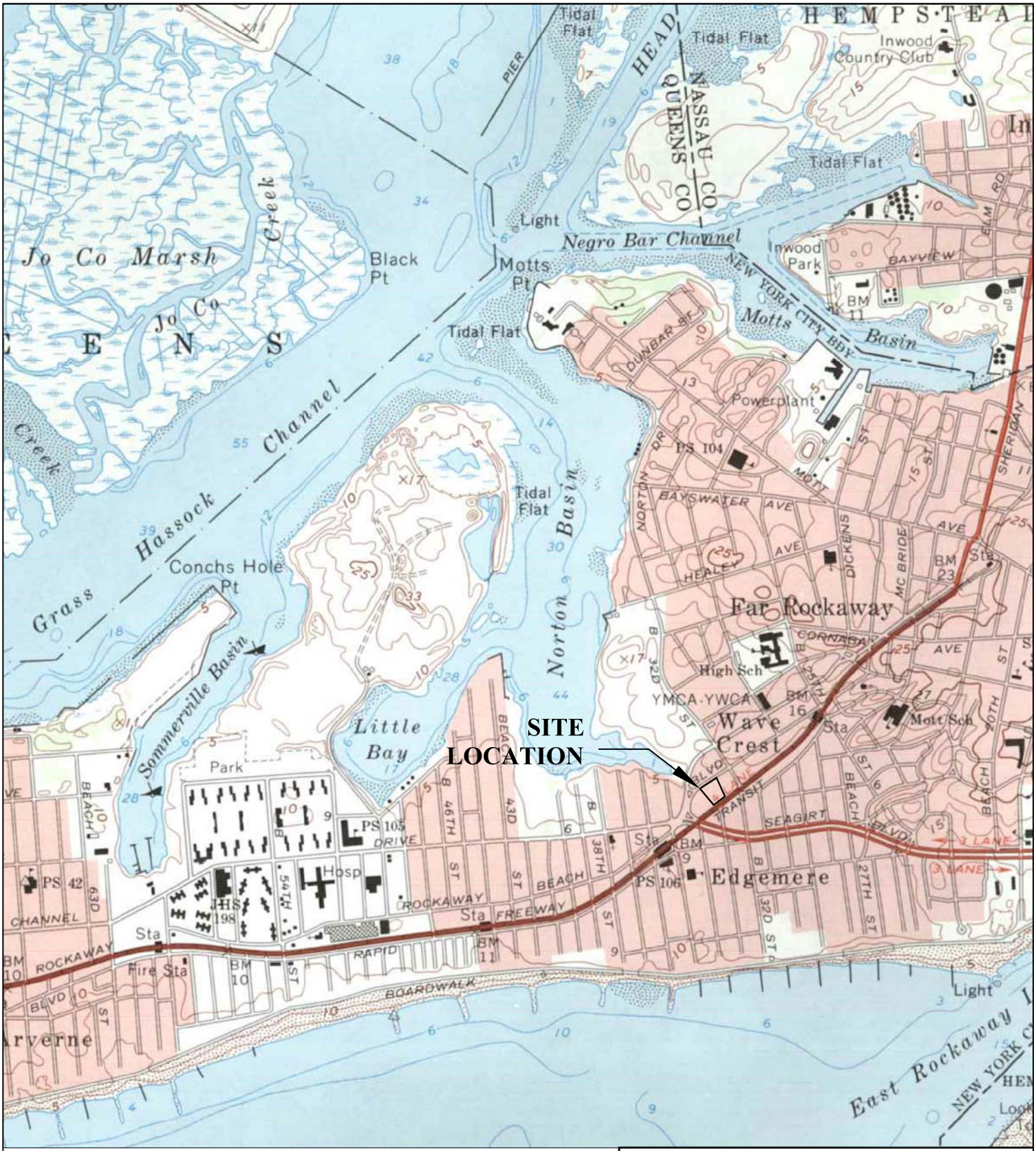
Howard Nichols, P.E.
Project Manager

Nidal Rabah, PhD., P.E.
Vice President

Enclosures:
Figure 1 – Site Location Map
Figure 2 – Site Plan with TRC Test Pit and Soil Boring Locations
Figure 3 – Approximate Extent of Free and Residual Product

Table 1 – Sample Summary Table
Table 2 – Soil Analytical Results Summary
Table 3 – Hydropunch Ground Water Sample Results Summary

Attachment 1 – Test Pit and Soil Boring Logs
Attachment 2 – Selected Test Pit and Soil Boring Photographs



0 1,500 FT.

APPROXIMATE SCALE

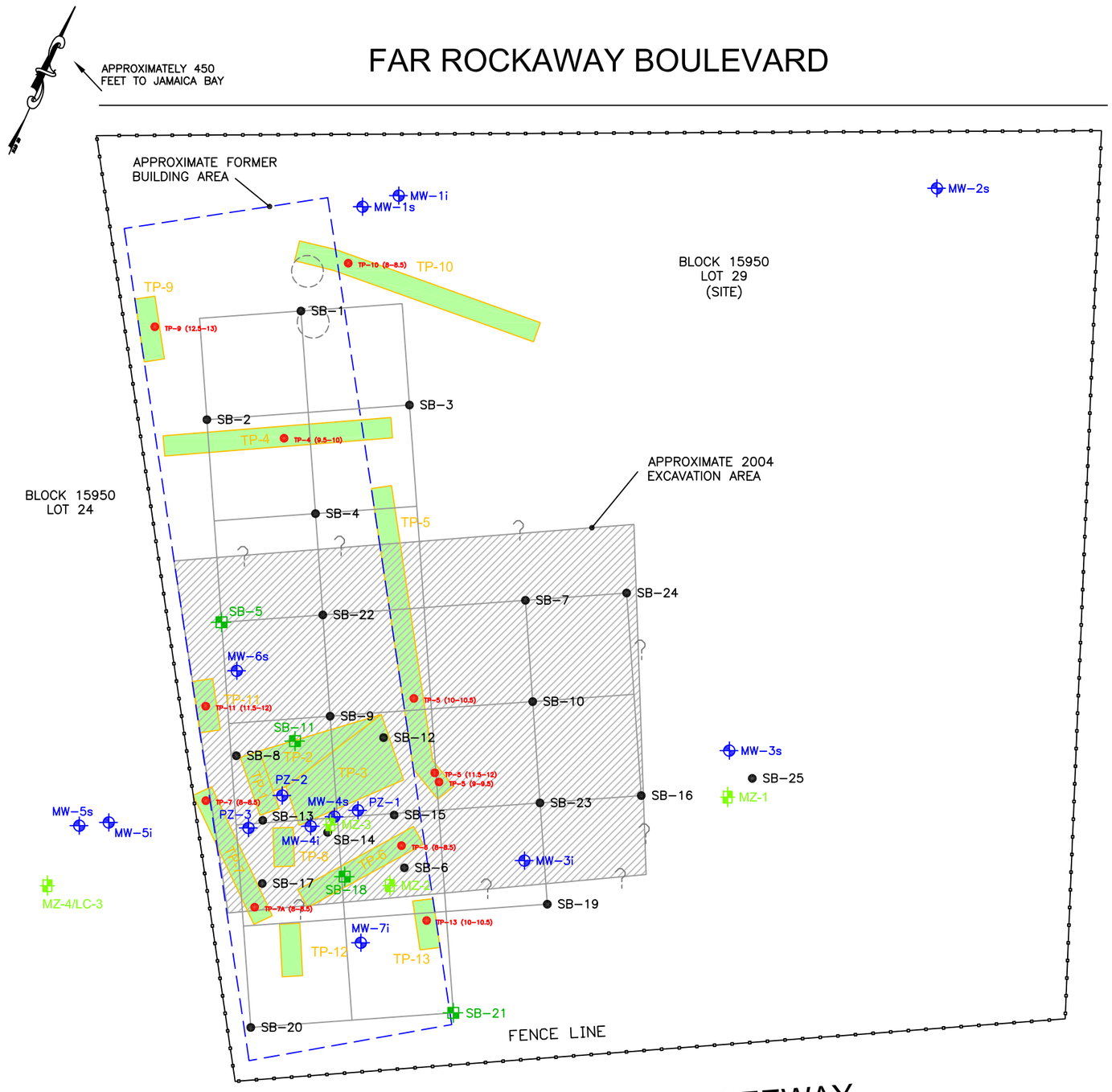
TRC ENVIRONMENTAL CORP.
57 East Willow Street
Millburn, New Jersey 07041

SITE LOCATION PLAN

CPB – EDGEMERE, NEW YORK

JOB NO.: 159807

HN	DATE: OCTOBER 15, 2008	FIGURE: 1



GROUND WATER

SB-11

Date	05/07/09
Depth	25' - 29'
c-1,2 DCE	2000
t-1,2 DCE	13.3
TCE	710
VC	238

SB-5

Date	05/06/09
Depth	23' - 27'
cis-1,2 DCE	18.5
TCE	7.9
VC	9.1
Xylenes	7.2

EXPLANATION

- MONITORING WELL
- SOIL BORING
- SOIL BORING WITH HYDROPUNCH GROUND WATER SAMPLING
- TEST PIT LOCATION
- APPROXIMATE LOCATION OF GASOLINE TANKS SHOWN ON 1951 SANBORN FIRE INSURANCE MAP
- 25-FOOT SAMPLE GRID

NOTE:
LOCATIONS OF MONITORING WELLS MW-5s, MW-5i, MA-6s, AND MW-7i ARE APPROXIMATE.

SOIL

MW-4s

Date	04/16/08	
Depth	17' - 17.5'	
t-1,2 DCE	0.343	
TCE	27.1	

PTSB-2

Date	08/19/08	08/19/08
Depth	15.5' - 16'	16' - 16.5'
t-1,2-DCE	2.83	0.318
TCE	3.78	0.235
VC	5.89	1.15

PTSB-3

Date	09/03/08	09/03/08
Depth	24.5' - 25'	25' - 25.5'
t-1,2-DCE	0.747	ND
TCE	26.7	9.18
VC	3.67	0.0013

PTSB-4

Date	09/03/08	09/03/08
Depth	13' - 13.5'	13.5' - 14'
TCE	0.0114	2.57
VC	0.357	0.238

TP-13

Date	04/30/09
Depth	10' - 10.5'
TCE	1.42

TP-11

Date	04/30/09
Depth	11.5' - 12'
t-1,2 DCE	0.918
TCE	3.99
VC	3.15

SB-8

Date	05/04/09
Depth	13' - 13.5'
1,1-DCE	0.431
t-1,2-DCE	1.18
TCE	47.8
VC	6.24

SB-13

Date	05/04/09	05/04/09
Depth	10' - 10.5'	11' - 11.5'
PCE	1.43	ND
TCE	659	996
VC	ND	5.98

SB-17

Date	05/04/09	05/04/09
Depth	8.5' - 9'	15' - 15.5'
t-1,2-DCE	0.627	0.562
PCE	0.0944	6.06
TCE	201	889
VC	2.58	0.365

SB-20

Date	05/04/09
Depth	12' - 12.5'
t-1,2-DCE	2.01
PCE	5.56
TCE	1980
VC	2.18

SB-18

Date	05/07/09
Depth	20' - 20.5'
t-1,2-DCE	0.342
TCE	2.27
VC	3.26

SB-11

Date	05/07/09
Depth	20' - 20.5'
t-1,2-DCE	0.999
VC	9.06

SB-14

Date	05/07/09	05/07/09
Depth	21.5' - 22'	32.5' -33'
t-1,2-DCE	0.999	ND
PCE	ND	32.4
TCE	0.178	6990
VC	9.06	ND
Xylenes	ND	3.31

Parameter	NYSDEC Soil SCO
PCE = Tetrachloroethylene	*1.4*
TCE = Trichloroethylene	*0.7*
c-1,2-DCE = cis-1,2-Dichloroethylene	--
t-1,2-DCE = trans-1,2-Dichloroethylene	*0.3*
1,1-DCE = 1,1-Dichloroethylene	*0.4*
VC = Vinyl chloride	*0.2*
Benzene	*0.06*
Toluene	*1.5*
Ethyl Benzene	*5.5*
Xylenes	*1.2*

Parameter	NYSDEC Soil SCO
PCE = Tetrachloroethylene	*5*
TCE = Trichloroethylene	*5*
c-1,2-DCE = cis-1,2-Dichloroethylene	*5*
t-1,2-DCE = trans-1,2-Dichloroethylene	*5*
VC = Vinyl chloride	*2*
Xylenes	*5*

0 30 FT.
APPROXIMATE SCALE

TRC ENVIRONMENTAL CORP.
57 East Willow Street
Millburn, New Jersey 07041

SITE PLAN WITH TRC TEST PIT AND SOIL BORING LOCATIONS (MARCH – APRIL 2009)

CPB – EDGEMERE, NEW YORK

JOB NO.: 159807

SM/LB	DATE: MAY 2009	FIGURE: 2

FILE: Y:\CAD FILES\VISION PROJECTS\159807\159807-1.DWG, DATE: 05/22/2009 05:21:06PM

GROUND WATER

SOIL

FAR ROCKAWAY BOULEVARD

APPROXIMATELY 450 FEET TO JAMAICA BAY

APPROXIMATE FORMER BUILDING AREA

MW-1i
MW-1s
MW-2s

BLOCK 15950
LOT 29
(SITE)

TP-9
TP-10
SB-1
SB-2
SB-3
TP-4
APPROXIMATE 2004 EXCAVATION AREA
BLOCK 15950
LOT 24
SB-4
TP-5
SB-5
SB-22
SB-7
SB-24
MW-6s
TP-11
SB-9
SB-10
SB-11
SB-12
SB-8
TP-2
TP-3
PZ-2
MW-3s
SB-25
MZ-1
SB-16
MW-5s
MW-5i
PZ-3
SB-13
MW-4s
PZ-1
MZ-3
SB-15
SB-23
MW-4i
SB-14
TP-8
TP-6
TP-7
SB-6
MW-3i
SB-17
SB-18
MZ-2
SB-19
MZ-4/LC-3
MW-7i
TP-12
TP-13
SB-21
SB-20
FENCE LINE

ROCKAWAY FREEWAY

EXPLANATION

- MONITORING WELL
- SOIL BORING
- SOIL BORING WITH HYDROPUNCH GROUND WATER SAMPLING
- TEST PIT LOCATION
- APPROXIMATE LOCATION OF GASOLINE TANKS SHOWN ON 1951 SANBORN FIRE INSURANCE MAP
- APPROXIMATE EXTENT OF PETROLEUM IMPACTED SOILS
- 25-FOOT SAMPLE GRID

NOTE:
LOCATIONS OF MONITORING WELLS MW-5s, MW-5i, MA-6s, AND MW-7i ARE APPROXIMATE.

0 30 FT.
APPROXIMATE SCALE

TRC ENVIRONMENTAL CORP.
57 East Willow Street
Millburn, New Jersey 07041

SITE PLAN WITH APPROXIMATE EXTENT OF PETROLEUM IMPACTS (MARCH – APRIL 2009)

CPB – EDGEMERE, NEW YORK

JOB NO.: 159807

SM/LB	DATE: MAY 2009	FIGURE: 3

FILE: Y:\CAD FILES\VISION PROJECTS\159807\159807-1.DWG, DATE: 05/22/2009 05:22:01PM

Table Ia
Soil Sample Collection Summary
CPB Property - Edgemere, New York

Test Pit/Soil Boring Identification	Sample Identification	Depth Interval (ft. bgs)	Sample Date	Analytical Parameters	Sample Collection Rationale
TP-4	TP-4 9.5-10	9.5-10	4/29/2009	TPHC, VOCs, BNs	Verify absence of VOCs and LNAPL north of remediation area
TP-5	TP-5 9-9.5	9-9.5	4/29/2009	TPHC, VOCs, BNs	Assess PZ-2 area for presence of LNAPL and/or VOC impact
	TP-5 10-10.5	10-10.5	4/29/2009	TPHC, VOCs, BNs	Assess TP-5 Area for VOCs in association with LNAPL, to support remedial design evaluation
	TP-5 11.5-12	11.5-12	4/29/2009	TPHC, VOCs, BNs	Vertical Delineation of TP-5 Area
TP-6	TP-6 8-8.5	8-8.5	4/28/2009	TPHC, VOCs, BNs	Assess PZ-2 area for presence of LNAPL and/or VOC impact
TP-7	TP-7 8-8.5	8-8.5	4/28/2009	TPHC, VOCs, BNs	Assess PZ-2 area for presence of LNAPL and/or VOC impact
	TP-7A 8-8.5	8-8.5	4/28/2009	TPHC, VOCs, BNs	Assess PZ-2 area for presence of LNAPL and/or VOC impact
TP-9	TP-9 12.5-13	12.5-13	4/30/2009	TPHC, VOCs, BNs	Verify absence of impact in association with off-site gasoline tanks shown on historical Sanborn fire insurance maps
TP-10	TP-10 8-8.5	8-8.5	4/28/2009	TPHC, VOCs, BNs	Assessment for Gasoline UST shown on 1951 Sanborn fire insurance map
TP-11	TP-11 11.5-12	11.5-12	4/30/2009	TPHC, VOCs, BNs	Verify absence of LNAPL & VOCs with western building foundation wall (grade beam)
TP-13	TP-13 10-10.5	10-10.5	4/30/2009	TPHC, VOCs, BNs	Delineate LNAPL/VOC impacts in association with eastern foundation wall (grade beam) to south
SB-8	SB-8 13-13.5	13-13.5	5/4/2009	VOCs	Assess first clay layer for VOC impact
SB-11	SB-11 20-20.5	20-20.5	5/7/2009	VOCs	Assess first clay layer for VOC impact
SB-13	SB-13 10-10.5	10-10.5	5/4/2009	VOCs	Assess sand immediately above first clay for VOC impact
	SB-13 11-11.5	11-11.5	5/4/2009	VOCs	Assess first clay layer for VOC impact
SB-14	SB-14 21.5-22	21.5 - 22	5/7/2009	VOCs	Assess first clay layer for VOC impact
	SB-14 32.5-33	32.5-33	5/7/2009	VOCs	Assess sand at interface with second clay layer for VOC impact
SB-15	SB-15 16-16.5	16-16.5	5/4/2009	VOCs	Assess first clay layer for VOC impact
SB-17	SB-17 8.5-9	8.5-9	5/4/2009	VOCs	Assess first clay layer for VOC impact
	SB-17 15-15.5	15-15.5	5/4/2009	VOCs	Assess first clay layer for VOC impact
SB-18	SB-18 20-20.5	20-20.5	5/7/2009	VOCs	Assess first clay layer for VOC impact
SB-20	SB-20 12-12.5	12-12.5	5/4/2009	VOCs	Assess first clay layer for VOC impact

Notes:
TPHC = Total Petroleum Hydrocarbons
VOCs = Volatile Organic Compounds
BNs = Base Neutral Organic Compounds
LNAPL = Light Non-Aqueous Phase Liquids
QA/QC = Quality Assurance/Quality Control

Table Ia
Soil Sample Collection Summary
CPB Property - Edgemere, New York

Hydropunch Ground Water Samples:

Boring Identification	Sample Identification	Screen Interval (ft.)	Sample Date	Analytical Parameters	Rationale
SB-5	SB-5 GW 23-27	23-27	5/6/2009	VOCs	Shallow Ground Water Assessment
	SB-5 GW 33-36	32-36	5/6/2009	VOCs	Shallow Ground Water Assessment
SB-11	SB-11 GW 25-29	25-29	5/7/2009	VOCs	Shallow Ground Water Assessment
	SB-11 GW 33-37	33-37	5/7/2009	VOCs	Shallow Ground Water Assessment
SB-18	SB-18 GW 20-24	24-28	5/7/2009	VOCs	Shallow Ground Water Assessment
	SB-18 GW 27-31	27-31	5/7/2009	VOCs	Shallow Ground Water Assessment
	SB-18A GW	27-31	5/7/2009	VOCs	Duplicate for QA/QC Purposes
SB-21	SB-21 GW 24-28	24-28	5/6/2009	VOCs	Shallow Ground Water Assessment
	SB-21 GW 36-40	36-40	5/6/2009	VOCs	Shallow Ground Water Assessment

Notes:
VOCs = Volatile Organic Compounds
QA/QC = Quality Assurance/Quality Control

Table Ia
Soil Sample Collection Summary
CPB Property - Edgemere, New York

Product Sample Identification	Source	Sample Date	Analytical Parameters	Rationale
PZ-2 Prod	PZ-2 (Screened 3-13 ft bgs)	4/28/2009	GC Fingerprint, TCE	Identify Product type and determine TCE content
MW-4i Prod	MW-4i (Screened 27-40 ft bgs)	4/28/2009	GC Fingerprint, TCE	Identify Product type and determine TCE content

Table II
Volatile Organic Compounds in Soil
CPB Site - Edgemere, NY

			TRC Sample No.:	TP-10 8-8.5		TP-13 10-10.5		TP-11 11.5-12		TP-6 8-8.5		TP-7 8-8.5		TP-7A 8-8.5		TP-4 9.5-10		TP-5 9-9.5	
			Date Sampled:	4/28/2009		4/30/2009		4/30/2009		4/28/2009		4/28/2009		4/28/2009		4/29/2009		4/29/2009	
			Lab Sample No.:	JA17566-1		JA17769-8		JA17769-6		JA17566-4		JA17566-5		JA17566-6		JA17769-4		JA17769-1	
			Depth:	8-8.5		10-10.5		11.5-12		8-8.5		8-8.5		8-8.5		9.5-10		9-9.5	
			Laboratory:															Accutest	
VOCs (mg/kg)	**CAS No.**	**Abbrv.**	***RSCO***																
Acrolein	107-02-8	Acrolein	--	ND		ND		ND		ND		ND		ND		ND		ND	
Acrylonitrile	107-13-1	Acryl	--	ND		ND		ND		ND		ND		ND		ND		ND	
Benzene	71-43-2	Benzene	*0.06*	ND		ND		ND		ND		ND		ND		ND		ND	
Bromodichloromethane	75-27-4	BDCM	--	ND		ND		ND		ND		ND		ND		ND		ND	
Bromoform	75-25-2	Bromoform	--	ND		ND		ND		ND		ND		ND		ND		ND	
Bromomethane	74-83-9	BM	--	ND		ND		ND		ND		ND		ND		ND		ND	
Carbon tetrachloride	56-23-5	CT	*0.6*	ND		ND		ND		ND		ND		ND		ND		ND	
Chlorobenzene	108-90-7	CB	*1.7*	ND		ND		ND		ND		ND		ND		ND		ND	
Chloroethane	75-00-3	CE	*1.9*	ND		ND		ND		ND		ND		ND		ND		ND	
2-Chloroethyl vinyl ether	110-75-8	2-CVE	--	ND		ND		ND		ND		ND		ND		ND		ND	
Chloroform	67-66-3	Chloroform	*0.3*	ND		ND		ND		ND		ND		ND		ND		ND	
Chloromethane	74-87-3	CM	--	ND		ND		ND		ND		ND		ND		ND		ND	
Dibromochloromethane	124-48-1	DBCM	--	ND		ND		ND		ND		ND		ND		ND		ND	
1,2-Dichlorobenzene	95-50-1	1,2-DCB	--	ND		ND		ND		ND		ND		ND		ND		ND	
1,3-Dichlorobenzene	541-73-1	1,3-DCB	--	ND		ND		ND		ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	106-46-7	1,4-DCB	--	ND		ND		ND		ND		ND		ND		ND		ND	
Dichlorodifluoromethane	75-71-8	DCDFM	--	ND		ND		ND		ND		ND		ND		ND		ND	
1,1-Dichloroethane	75-34-3	1,1-DCA	*0.2*	ND		ND		ND		ND		ND		ND		ND		ND	
1,2-Dichloroethane	107-06-2	1,2-DCA	*0.1*	ND		ND		ND		ND		ND		ND		ND		ND	
1,1-Dichloroethylene	75-35-4	1,1-DCE	*0.4*	ND		ND		ND		ND		ND		ND		ND		ND	
cis-1,2-Dichloroethylene	156-59-2	c-1,2-DCE	--	0.0032	J	ND		43.9		ND		0.0064		0.0021	J	ND		ND	
trans-1,2-Dichloroethylene	156-60-5	t-1,2-DCE	*0.3*	ND		ND		**0.918**	J	0.0023	J	ND		ND		ND		ND	
1,2-Dichloropropane	78-87-5	1,2-DCP	--	ND		ND		ND		ND		ND		ND		ND		ND	
cis-1,3-Dichloropropene	10061-01-5	c-1,3-DCP	--	ND		ND		ND		ND		ND		ND		ND		ND	
trans-1,3-Dichloropropene	10061-02-6	t-1,3-DCP	--	ND		ND		ND		ND		ND		ND		ND		ND	
Ethylbenzene	100-41-4	EB	*5.5*	0.0019	J	ND		ND		0.014		ND		ND		ND		ND	
Methylene chloride	75-09-2	MC	*0.1*	ND		ND		ND		ND		0.0014	J	0.0014	J	0.0014	J	0.0012	J
1,1,2,2-Tetrachloroethane	79-34-5	1,1,2,2-PCA	*0.6*	ND		ND		ND		ND		ND		ND		ND		ND	
Tetrachloroethylene (PCE)	127-18-4	PCE	*1.4*	ND		ND		ND		ND		0.0017	J	0.001	J	ND		0.00056	J
Toluene	108-88-3	Toluene	*1.5*	ND		ND		ND		ND		ND		ND		ND		ND	
1,1,1-Trichloroethane	71-55-6	1,1,1-TCA	*0.8*	ND		ND		ND		ND		ND		ND		ND		ND	
1,1,2-Trichloroethane	79-00-5	1,1,2-TCA	*6*	ND		ND		ND		ND		ND		ND		ND		ND	
Trichloroethylene (TCE)	79-01-6	TCE	*0.7*	ND		**1.42**		**3.99**		0.0029	J	0.0928		0.125		ND		ND	
Trichlorofluoromethane	75-69-4	TCFM	--	ND		ND		ND		ND		ND		ND		ND		ND	
Vinyl chloride	75-01-4	VC	*0.2*	ND		ND		**3.15**		ND		ND		ND		ND		ND	
Xylenes (total)	1330-20-7	Xylene	*1.2*	0.0016	J	ND		0.18	J	ND		ND		ND		ND		ND	
Total Targeted VOCs				0.0067		1.42		52.138		0.0192		0.1023		0.1295		0.0014		0.00176	
Total TICs			*500*	0.228	J	49.8	J	3.5	J	0.987	J	ND		ND		ND		ND	
Total VOCs				0.2347		51.22		55.64		1.01		0.10		0.13		0.00		0.00	

ND = Not Detected.
RSCO = NYSDEC Restricted Use Soil Cleanup Objective
Bold indicates concentration above RSCO.

Table II
Volatile Organic Compounds in Soil
CPB Site - Edgemere, NY

			TRC Sample No.:	TP-5 11.5-12	TP-5 10-10.5	TP-9 12.5-13	SB-8 13-13.5	SB-13 10-10.5	SB-13 11-11.5	SB-17 8.5-9	SB-17 15-15.5
			Date Sampled:	4/29/2009	4/29/2009	4/30/2009	5/4/2009	5/4/2009	5/4/2009	5/4/2009	5/4/2009
			Lab Sample No.:	JA17769-2	JA17769-3	JA17769-5	JA17930-1	JA17930-2	JA17930-3	JA17930-4	JA17930-5
			Depth:	11.5-12	10-10.5	12.5-13	13-13.5	10-10.5	11-11.5	8.5-9	15-15.5
			Laboratory:	Accutest	Accutest	Accutest	Accutest	Accutest	Accutest	Accutest	Accutest
VOCs (mg/kg)	**CAS No.**	**Abbrv.**	***RSCO***								
Acrolein	107-02-8	Acrolein	--	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	107-13-1	Acryl	--	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	71-43-2	Benzene	*0.06*	ND	ND	ND	0.0013 J	ND	ND	0.0016 J	ND
Bromodichloromethane	75-27-4	BDCM	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	75-25-2	Bromoform	--	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	74-83-9	BM	--	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	56-23-5	CT	*0.6*	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	108-90-7	CB	*1.7*	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75-00-3	CE	*1.9*	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	110-75-8	2-CVE	--	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	Chloroform	*0.3*	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	74-87-3	CM	--	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	124-48-1	DBCM	--	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	95-50-1	1,2-DCB	--	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	1,3-DCB	--	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	1,4-DCB	--	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8	DCDFM	--	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	1,1-DCA	*0.2*	ND	ND	ND	ND	ND	ND	0.0152	ND
1,2-Dichloroethane	107-06-2	1,2-DCA	*0.1*	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	75-35-4	1,1-DCE	*0.4*	ND	ND	ND	**0.431**	ND	ND	0.342 J	ND
cis-1,2-Dichloroethylene	156-59-2	c-1,2-DCE	--	ND	ND	ND	121	23.1	295	74.3	76.3
trans-1,2-Dichloroethylene	156-60-5	t-1,2-DCE	*0.3*	ND	ND	ND	**1.18** J	ND	ND	**0.627** J	**0.562** J
1,2-Dichloropropane	78-87-5	1,2-DCP	--	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10061-01-5	c-1,3-DCP	--	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10061-02-6	t-1,3-DCP	--	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	100-41-4	EB	*5.5*	0.118	0.368	ND	0.0073	0.245 J	ND	0.0149	ND
Methylene chloride	75-09-2	MC	*0.1*	ND	ND	0.001 J	0.0029 J	ND	ND	0.0026 J	ND
1,1,2,2-Tetrachloroethane	79-34-5	1,1,2,2-PCA	*0.6*	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	127-18-4	PCE	*1.4*	ND	ND	ND	ND	**1.43** J	ND	0.0944	**6.06**
Toluene	108-88-3	Toluene	*1.5*	ND	ND	ND	0.0117	0.185 J	ND	0.0128	ND
1,1,1-Trichloroethane	71-55-6	1,1,1-TCA	*0.8*	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	79-00-5	1,1,2-TCA	*6*	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	79-01-6	TCE	*0.7*	ND	ND	ND	**47.8**	**659**	**996**	**201**	**889**
Trichlorofluoromethane	75-69-4	TCFM	--	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	75-01-4	VC	*0.2*	ND	ND	ND	**6.24**	ND	**5.98** J	**2.58**	**0.365** J
Xylenes (total)	1330-20-7	Xylene	*1.2*	0.474	0.915	ND	0.0267	0.933 J	ND	0.0499	ND
Total Targeted VOCs				0.592	1.283	0.001	176.7009	684.893	1296.98	279.0404	972.287
Total TICs			*500*	66.3	166	ND	NA	NA	NA	NA	NA
Total VOCs				66.89	167.28	0.00	176.70	684.89	1296.98	279.04	972.29

ND = Not Detected.
RSCO = NYSDEC Restricted Use Soil Cleanup Objective
Bold indicates concentration above RSCO.

TRC Job No. 159807
R/Name of Report/Soil Result Tables.xls/Soil - VOC

Table II
Volatile Organic Compounds in Soil
CPB Site - Edgemere, NY

			TRC Sample No.:	SB-15 16-16.5			SB-20 12-12.5			SB-18 20-20.5			SB-11 20-20.5			SB-14 21.5-22			SB-14 32.5-33		
			Date Sampled:	5/4/2009			5/4/2009			5/7/2009			5/7/2009			5/7/2009			5/7/2009		
			Lab Sample No.:	JA17930-6			JA17930-7			JA18286-6			JA18286-7			JA18286-8			JA18286-9		
			Depth:	16-16.5			12-12.5			20-20.5			20-20.5			21.5-22			32.5-33		
			Laboratory:	Accutest			Accutest			Accutest											
VOCs (mg/kg)	**CAS No.**	**Abbrv.**	***RSCO***																				
Acrolein	107-02-8	Acrolein	--	ND			ND			ND			ND			ND			ND				
Acrylonitrile	107-13-1	Acryl	--	ND			ND			ND			ND			ND			ND				
Benzene	71-43-2	Benzene	*0.06*	ND			ND			ND			ND			ND			ND				
Bromodichloromethane	75-27-4	BDCM	--	ND			ND			ND			ND			ND			ND				
Bromoform	75-25-2	Bromoform	--	ND			ND			ND			ND			ND			ND				
Bromomethane	74-83-9	BM	--	ND			ND			ND			ND			ND			ND				
Carbon tetrachloride	56-23-5	CT	*0.6*	ND			ND			ND			ND			ND			ND				
Chlorobenzene	108-90-7	CB	*1.7*	ND			ND			ND			ND			ND			ND				
Chloroethane	75-00-3	CE	*1.9*	ND			ND			ND			ND			ND			ND				
2-Chloroethyl vinyl ether	110-75-8	2-CVE	--	ND			ND			ND			ND			ND			ND				
Chloroform	67-66-3	Chloroform	*0.3*	ND			ND			ND			ND			ND			ND				
Chloromethane	74-87-3	CM	--	ND			ND			ND			ND			ND			ND				
Dibromochloromethane	124-48-1	DBCM	--	ND			ND			ND			ND			ND			ND				
1,2-Dichlorobenzene	95-50-1	1,2-DCB	--	ND			ND			ND			ND			ND			ND				
1,3-Dichlorobenzene	541-73-1	1,3-DCB	--	ND			ND			ND			ND			ND			ND				
1,4-Dichlorobenzene	106-46-7	1,4-DCB	--	ND			ND			ND			ND			ND			ND				
Dichlorodifluoromethane	75-71-8	DCDFM	--	ND			ND			ND			ND			ND			ND				
1,1-Dichloroethane	75-34-3	1,1-DCA	*0.2*	ND			ND			ND			ND			ND			ND				
1,2-Dichloroethane	107-06-2	1,2-DCA	*0.1*	ND			ND			ND			ND			ND			ND				
1,1-Dichloroethylene	75-35-4	1,1-DCE	*0.4*	ND			ND			ND			ND			ND			ND				
cis-1,2-Dichloroethylene	156-59-2	c-1,2-DCE	--	ND			254			31.6			56.4			76.7			42.9				
trans-1,2-Dichloroethylene	156-60-5	t-1,2-DCE	*0.3*	ND			**2.01**	J		**0.342**	J		**0.999**			**0.613**			ND				
1,2-Dichloropropane	78-87-5	1,2-DCP	--	ND			ND			ND			ND			ND			ND				
cis-1,3-Dichloropropene	10061-01-5	c-1,3-DCP	--	ND			ND			ND			ND			ND			ND				
trans-1,3-Dichloropropene	10061-02-6	t-1,3-DCP	--	ND			ND			ND			ND			ND			ND				
Ethylbenzene	100-41-4	EB	*5.5*	ND			ND			ND			ND			ND			ND				
Methylene chloride	75-09-2	MC	*0.1*	ND			ND			ND			ND			ND			ND				
1,1,2,2-Tetrachloroethane	79-34-5	1,1,2,2-PCA	*0.6*	ND			ND			ND			ND			ND			ND				
Tetrachloroethylene (PCE)	127-18-4	PCE	*1.4*	ND			**5.56**	J		0.122	J		ND			ND			**32.4**				
Toluene	108-88-3	Toluene	*1.5*	ND			ND			ND			ND			ND			ND				
1,1,1-Trichloroethane	71-55-6	1,1,1-TCA	*0.8*	ND			ND			ND			ND			ND			ND				
1,1,2-Trichloroethane	79-00-5	1,1,2-TCA	*6*	ND			ND			ND			ND			ND			ND				
Trichloroethylene (TCE)	79-01-6	TCE	*0.7*	0.0172			**1980**			**2.27**			0.46	J		0.178	J		**6990**				
Trichlorofluoromethane	75-69-4	TCFM	--	ND			ND			ND			ND			ND			ND				
Vinyl chloride	75-01-4	VC	*0.2*	ND			**2.18**	J		**3.26**			**9.06**			**15.7**			ND				
Xylenes (total)	1330-20-7	Xylene	*1.2*	ND			ND			0.0836	J		ND			ND			**3.31**		J		
Total Targeted VOCs				0.0172			2243.75			37.6776			66.919			93.191			7068.61				
Total TICs			*500*	NA			NA			ND			ND			ND			ND				
Total VOCs				0.02			2243.75			37.68			66.92			93.19			7068.61				

ND = Not Detected.
RSCO = NYSDEC Restricted Use Soil Cleanup Objective
Bold indicates concentration above RSCO.

Table II
Base Neutrals (BNs) in Soil
CPB Site - Edgemere, NY

					TP-10 8-8.5		TP-6 8-8.5		TP-7 8-8.5		TP-7A 8-8.5		TP-5 9-9.5		TP-5 11.5-12		TP-5 10-10.5		TP-4 9.5-10		TP-9 12.5-13		TP-11 11.5-12		TP-13 10-10.5	
				Date Sampled:	04/28/09		04/28/09		04/28/09		04/28/09		04/29/09		04/29/09		04/29/09		04/29/09		04/30/09		04/30/09		04/30/09	
				Lab Sample No.:	JA17566-1		JA17566-4		JA17566-5		JA17566-6		JA17769-1		JA17769-2		JA17769-3		JA17769-4		JA17769-5		JA17769-6		JA17769-8	
				Laboratory:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
BNs (ppm)	**Cas No.**	**Abbrv.**	***RSCO***	***SCO***																						
Acenaphthene	83-32-9	ACP	100	20	ND		0.0845		ND		ND		0.604		0.925		4.28		ND		ND		ND		0.487	
Acenaphthylene	208-96-8	ACPL	100	100	ND		ND		ND		ND		0.0825		ND		ND		ND		ND		ND		ND	
Anthracene	120-12-7	ANT	100	100	ND		0.0506	J	ND		ND		1.71		0.824		2.3		ND		ND		ND		0.367	
Benzidine	92-87-5	BZd	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Benzo(a)anthracene	56-55-3	B(a)a	1	1	ND		ND		ND		ND		**2.33**		0.433		0.771		ND		ND		ND		0.104	
Benzo(a)pyrene	50-32-8	B(a)p	1	1	ND		ND		ND		ND		**1.93**		0.408		0.246		ND		ND		ND		ND	
Benzo(b)fluoranthene	205-99-2	B(b)f	1	1	ND		ND		ND		ND		**1.73**		0.556		0.263		ND		ND		ND		0.069	
Benzo(g,h,i)perylene	191-24-2	B(g,h,j)p	100	100	ND		ND		ND		ND		1.09		ND		ND		ND		ND		ND		ND	
Benzo(k)fluoranthene	207-08-9	B(k)f	1	0.8	ND		ND		ND		ND		**0.895**		ND		ND		ND		ND		ND		0.0254	J
4-Bromophenyl phenyl ether	101-55-3	4-BPE	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Butyl benzyl phthalate	85-68-7	BBP	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2-Chloronaphthalene	91-58-7	2-CNP	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4-Chloroaniline	106-47-8	4-CLA	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chrysene	218-01-9	Chrysene	1	1	ND		ND		ND		ND		**2.19**		0.589		**1.39**		ND		ND		ND		0.258	
bis(2-Chloroethoxy)methane	111-91-1	b(2-C)m	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bis(2-Chloroethyl)ether	111-44-4	b(2-C)e	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bis(2-Chloroisopropyl)ether	108-60-1	b(2-CIP)e	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
4-Chlorophenyl phenyl ether	7005-72-3	4-CPPE	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-Dichlorobenzene	95-50-1	1,2-DCB	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-Diphenylhydrazine	122-66-7	1,2 DPH	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,3-Dichlorobenzene	541-73-1	3,3-DCB	17	2.4	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	106-46-7	1,4-DCB	9.8	1.8	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2,4-Dinitrotoluene	121-14-2	2,4-DNT	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
2,6-Dinitrotoluene	606-20-2	2,6-DNT	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
3,3'-Dichlorobenzidine	91-94-1	3,3-DCBd	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dibenzo(a,h)anthracene	53-70-3	D(a,h)a	0.33	0.33	ND		ND		ND		ND		**0.389**		0.0924		ND		ND		ND		ND		ND	
Di-n-butyl phthalate	84-74-2	DBP	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		0.181		0.122	
Di-n-octyl phthalate	117-84-0	DOP	--	--	ND		0.118	J	ND		ND		ND		ND		ND		ND		ND		ND		ND	
Diethyl phthalate	84-66-2	DEP	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dimethyl phthalate	131-11-3	DMP	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
bis(2-Ethylhexyl)phthalate	117-81-7	b(2-EH)p	--	--	ND		ND		ND		ND		0.106		0.613		ND		ND		ND		ND		ND	
Fluoranthene	206-44-0	FluA	100	100	ND		ND		ND		ND		5.46		0.82		0.667		ND		ND		ND		0.182	
Fluorene	86-73-7	Fluorene	100	30	ND		0.115		ND		ND		1		1.06		4.97		ND		ND		ND		0.612	
Hexachlorobenzene	118-74-1	HCB	0.33	0.33	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Hexachlorobutadiene	87-68-3	HCBD	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Hexachlorocyclopentadiene	77-47-4	HCCPD	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Hexachloroethane	67-72-1	HCE	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Indeno(1,2,3-cd)pyrene	193-39-5	I(1,2,3-cd)p	0.5	0.5	ND		ND		ND		ND		**0.968**		0.202		ND		ND		ND		ND		ND	
Isophorone	78-59-1	IP	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Naphthalene	91-20-3	Nap	100	12	ND		ND		ND		ND		0.116		0.84		ND		ND		ND		ND		ND	
Nitrobenzene	98-95-3	NB	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
N-Nitrosodimethylamine	62-75-9	NDMA	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
N-Nitrosodi-n-propylamine	621-64-7	NDPA	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
N-Nitrosodiphenylamine	86-30-6	NDPhA	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Phenanthrene	85-01-8	PhA	100	100	ND		0.213		ND		ND		6.98		3.78		13.2		ND		ND		ND		0.252	
Pyrene	129-00-0	Pyrene	100	100	ND		0.0498	J	ND		ND		3.95		1.06		2.84		ND		ND		ND		0.299	
1,2,4-Trichlorobenzene	120-82-1	1,2,4-TCB	--	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Total Targeted BNs					ND		0.6309		ND		ND		31.5305		12.2024		30.927		ND		ND		0.181		2.7774	
Total TICs					2.85	J	10.82	J	0.55	J	ND		16.52		103.3	J	56	J	0.2	J	ND		0.57	J	57.3	J
Total BNs					2.85		11.4509		0.55		ND		48.0505		115.5024		86.927		0.2		ND		0.751		60.0774	
Total PHC					26.9		262		60.5		NA		823		3890		17900		ND		18		ND		3460	

ND = Not Detected.
SRS = NJDEP's most stringent Soil Cleanup Criteria.
Bold indicates concentration above the SRS.

Table III
Multi-Zine Ground Water Sample Results
Volatile Organic Compounds
CPB Site - Edgemere, NY

		TRC Raviv Sample No.:	SB-18 GW 27-31		SB-18 GW 20-24		SB-18A GW		SB-11 GW 25-29		SB-11 GW 33-37		SB-21 GW 36-40		SB-21 GW 24-28		SB-5 GW 32-36		SB-5 GW 23-27		TB-050709	
		Date Sampled:	05/07/09		05/07/09		05/07/09		05/07/09		05/07/09		05/06/09		05/06/09		05/06/09		05/06/09		05/07/09	
		Lab Sample No.:	JA18286-1		JA18286-2		JA18286-3		JA18286-4		JA18286-5		JA18141-1		JA18141-2		JA18141-3		JA18141-4		JA18286-10	
		Laboratory:	Accutest		Accutest		Accutest		Accutest		Accutest		Accutest		Accutest		Accutest		Accutest		Accutest	
VOCs (ppb)	**CAS No.**	**Abbrv.**	***GWQS***																			
Acrolein	107-02-8	Acrolein	*5*	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
Acrylonitrile	107-13-1	Acryl	*5*	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
Benzene	71-43-2	Benzene	*1*	ND		ND		ND		ND		ND		ND		ND		ND		0.59	J	ND
Bromodichloromethane	75-27-4	BDCM	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
Bromoform	75-25-2	Bromoform	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
Bromomethane	74-83-9	BM	*5*	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
Carbon tetrachloride	56-23-5	CTC	*5*	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
Chlorobenzene	108-90-7	CB	*5*	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
Chloroethane	75-00-3	CE	*5*	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
2-Chloroethyl vinyl ether	110-75-8	2-CVE	--	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
Chloroform	67-66-3	Chloroform	*7*	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
Chloromethane	74-87-3	CM	--	ND		0.42	J	ND		ND		ND		ND		ND		ND		ND		ND
Dibromochloromethane	124-48-1	DBCM	*5*	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
1,2-Dichlorobenzene	95-50-1	1,2-DCB	*3*	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
1,3-Dichlorobenzene	541-73-1	1,3-DCB	*3*	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
1,4-Dichlorobenzene	106-46-7	1,4-DCB	*3*	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
Dichlorodifluoromethane	75-71-8	DCDFM	*5*	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
1,1-Dichloroethane	75-34-3	1,1-DCA	*5*	0.31	J	ND		ND		ND		ND		ND		ND		ND		ND		ND
1,2-Dichloroethane	107-06-2	1,2-DCA	*0.6*	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
1,1-Dichloroethylene	75-35-4	1,1-DCE	*5*	ND		ND		ND		5	J	ND		ND		ND		ND		ND		ND
cis-1,2-Dichloroethylene	156-59-2	c-1,2-DCE	*5*	2.9		1.7		2.9		**2000**		1.4		ND		0.29	J	ND		**18.5**		ND
trans-1,2-Dichloroethylene	156-60-5	t-1,2-DCE	*5*	ND		ND		ND		**13.3**		ND		ND		ND		ND		2.7		ND
1,2-Dichloropropane	78-87-5	1,2-DCP	*1*	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
cis-1,3-Dichloropropene	10061-01-5	c-1,3-DCP	*1*	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
trans-1,3-Dichloropropene	10061-02-6	t-1,3-DCP	*1*	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
Ethylbenzene	100-41-4	EB	*5*	ND		ND		ND		ND		ND		ND		ND		ND		2.9		ND
Methylene chloride	75-09-2	MC	*5*	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
1,1,2,2-Tetrachloroethane	79-34-5	1,1,2,2-PCA	*5*	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
Tetrachloroethylene (PCE)	127-18-4	PCE	*5*	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
Toluene	108-88-3	Toluene	*5*	ND		ND		ND		ND		ND		ND		ND		ND		0.82	J	ND
1,1,1-Trichloroethane	71-55-6	1,1,1-TCA	*5*	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
1,1,2-Trichloroethane	79-00-5	1,1,2-TCA	*1*	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
Trichloroethylene (TCE)	79-01-6	TCE	*5*	ND		ND		ND		**710**		0.58	J	ND		ND		ND		**7.9**		ND
Trichlorofluoromethane	75-69-4	TCFM	*5*	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND
Vinyl chloride	75-01-4	VC	*2*	0.71	J	1	J	0.65	J	**238**		ND		ND		ND		ND		**9.1**		ND
Xylenes (total)	1330-20-7	Xylene	*5*	ND		ND		ND		ND		ND		ND				ND		**7.2**		ND
Total Targeted VOCs																0.3				49.7		
Total TICs			*500*	4.5		0		7.6	J	0		0		0		0		0		0		0
Total VOCs																0.29				49.7		

U = Undetected.
ND = Not Detected.
GWQS = NY Ground Water Quality Standard.
Bold indicates concentration above GWQS.

TRC Environmental Corporation
57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-1

PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/06/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 7.5 Feet

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 20 Feet

DRILLER: **L. Reiss**

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		48	ND ND ND ND ND ND ND ND - -			0 to 2' - FILL: Brown medium to fine SAND, little concrete, brick, gravel, & asphalt, moist 2 to 4' - FILL: Light brown medium to fine SAND, moist
2						
3						
4						
5						
6		54	ND ND ND ND ND ND ND ND ND -		▼	5 to 7.5' - FILL: Light brown medium to fine SAND, moist 7.5 to 9' - FILL: Black gravel-sized material (slag-like or clinker-like), wet 9 to 9.5' - Gray medium to fine SAND, wet
7						
8						
9						
10						
11		60	ND ND ND ND ND 9.8 7.2 1.2 ND ND			10 to 11' - Gray medium to fine SAND, wet 11 to 12.5' - Gray coarse to medium SAND, some coarse to fine rounded gravel, wet 12.5 to 14' - Gray medium to fine SAND, wet 14 to 15' - Gray CLAY, damp
12						
13						
14						
15						
16						End of Boring at 15 feet below grade
17						
18						
19						
20						

TRC Environmental Corporation
57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER
SB-2

PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/06/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 7.5 Feet

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 20 Feet

DRILLER: **L. Reiss**

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		48	ND ND ND ND ND ND ND - -			0 to 1.5' - FILL: Brown medium to fine SAND, little concrete, brick, gravel, & asphalt, moist 1.5 to 2.5' - FILL: CONCRETE 2.5 to 4' - FILL: Light brown medium to fine SAND, moist
2						
3						
4						
5						
6		54	ND ND ND ND ND ND 0.9 0.7 2.2 -		▼	5 to 7.5' - FILL: Light brown medium to fine SAND, moist 7.5 to 9' - FILL: Black gravel-sized material (slag-like or clinker-like), wet 9 to 9.5' - Gray medium to fine SAND, wet
7						
8						
9						
10						
11		54	ND ND ND ND ND ND ND 7.0 0.2 -			10 to 14.5' - Gray medium to fine SAND, wet
12						
13						
14						
15						
16		36	0.8 0.7 0.3 ND ND ND - - - -			15 to 17.5' - Gray medium to fine SAND, wet 17.5 to 18' - Gray CLAY, damp End of Boring at 20 feet below grade
17						
18						
19						
20						

TRC Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER **SB-3**
PROJECT NAME: CPB	**LOCATION:** Edgemere, New York	
PROJECT NO.: 159807	**CONTRACTOR:** Zebra Environmental	DATE DRILLED: **05/06/09**
SAMPLER TYPE/DIA.: Macrocore/2"	**DEPTH TO WATER:** 7 Feet	DRILLER: **L. Reiss**
BORING METHOD: Direct Push	**TOTAL DEPTH DRILLED:** 20 Feet	LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		42	ND ND ND ND ND ND ND - - -			0 to 3' - FILL: Brown medium to fine SAND, little concrete, brick, gravel, & asphalt, moist 3 to 3.5' - FILL: Light brown medium to fine SAND, moist
2						
3						
4						
5						
6		42	ND ND ND ND ND ND ND - - -		▼	5 to 8' - FILL: Light brown medium to fine SAND, wet at 7 feet below grade 8 to 8.5' - Gray medium to fine rounded GRAVEL, some coarse to fine sand, wet
7						
8						
9						
10						
11		30	ND ND ND ND ND - - - - -			10 to 12' - Gray medium to fine rounded GRAVEL, some coarse to fine sand, wet 12 to 13' - Gray medium to fine SAND, wet
12						
13						
14						
15						
16		48	ND ND ND ND ND ND ND ND - -			15 to 15.5' - Gray medium to fine SAND, some silt, wet 15.5 to 16' - PEAT 16 to 17.5' - Gray medium to fine SAND, wet 17.5 to 18' - Light brown coarse to fie SAND, some rounded gravel, wet End of Boring at 20 feet below grade (Boring Grouted)
17						
18						
19						
20						

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SOIL BORING LOG

BORING NUMBER

SB-4

PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/06/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 7.5 Feet

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 20 Feet

DRILLER: **L. Reiss**

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		42	ND			0 to 2.5' - FILL: Brown medium to fine SAND, little concrete, brick, gravel, & asphalt, moist
2			ND			
3			ND			2.5 to 3.5' - FILL: Light brown medium to fine SAND, moist
4			ND			
5			-			
6		42	ND			5 to 8.5' - FILL: Light brown medium to fine SAND, wet at 7.5 feet below grade
7			ND			
8			ND		▼	
9			ND			
10			-			
11		48	ND			10 to 12' - FILL: Light brown medium to fine SAND, wet
12			ND			
13			ND			12 to 12.5' - Gray coarse to medium SAND, some coarse to fine rounded gravel, wet
14			0.6			12.5 to 14' - Gray medium to fine SAND, wet
15			0.8			
16		24	0.5			15 to 16.5' - Gray medium to fine SAND, wet
17			0.3			
18			0.2			16.5 to 17' - Gray CLAY, damp
19			-			
20			-			End of Boring at 20 feet below grade

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SOIL BORING LOG

BORING NUMBER

SB-5

(Page 1 of 2)

PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/06/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 6.5 Feet

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 40 Feet

DRILLER: **L. Reiss**

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		36	ND ND ND ND ND ND - - - -			0 to 1' - FILL: Brown medium to fine SAND, little fine rounded gravel, moist 1 to 3' - FILL: Light brown medium to fine SAND, trace coarse to fine rounded gravel, moist
6		42	ND ND ND ND ND 0.6 ND - - -		▼	5 to 8.5' - FILL: Light brown medium to fine SAND, trace coarse to fine rounded gravel, wet at 6.5 feet below grade
11		54	ND ND ND 0.9 ND 0.6 ND 3.1 0.4 -			10 to 11.5' - FILL: Light brown medium to fine SAND, trace coarse to fine rounded gravel, wet at 6.5 feet below grade 11.5 to 14.5' - Gray medium to fine SAND, wet
16		36	7.4 10.5 8.1 7.6 1.7 5.4 - - - -			15 to 18' - Gray medium to fine SAND, wet

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DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
21		30	10.0 7.1 5.5 5.2 ND - - - - -	SB-5 GW 23-27		20 to 22' - Gray medium to fine SAND, wet 22 to 22.5' - Gray CLAY, damp
26		48	ND ND ND ND ND ND ND ND - -			25 to 25.75' - Gray CLAY, damp 25.75 to 26' - Gray coarse to medium SAND, some coarse rounded gravel, wet 26 to 27.5' - Gray SILT, and fine to very fine sand, trace shells, 1" peat at base 27.5 to 29' - Light gray medium to fine SAND, wet
31		36	ND ND ND ND ND ND - - - -	SB-5 GW 32-36		30 to 32' - Light gray medium to fine SAND, wet 32 to 33' - Orange-brown fine to very fine SAND, damp to wet
36		24	ND ND ND ND - - - - - -			35 to 35.75' - Orange-brown fine to very fine SAND, damp to wet 35.75 to 36.75 - Dark greenish-gray fine to very fine SAND, trace shells 36.75 to 37 - Dark greenish-gray CLAY, damp End of Boring at 40 feet below grade (Boring Grouted)

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SOIL BORING LOG

BORING NUMBER

SB-6

PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/04/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 6 Feet

DRILLER: **C. Green**

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 20 Feet

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		30	3.5 2.3 0.7 1.3 - - - - -			0 to 2.5' - FILL: Brown medium to fine SAND, some silt, trace brick, concrete & asphalt, moist
2						
3						
4						
5						
6		24	1.8 12.9 0.9 - - - - - -		▼	5 to 7' - FILL: Brown medium to fine SAND, some silt, trace brick, concrete & asphalt, wet at 6.0 feet below grade, petroleum-like odor 6.0-6.5 feet below grade
7						
8						
9						
10						
11		36	0.9 0.8 0.8 0.8 0.4 0.7 - - - -			10 to 13' - Gray medium to fine SAND, wet, slight petroleum-like odor 12.5 to 14' - Light gray medium to fine SAND, wet, solvent-like odor
12						
13						
14						
15						
16		18	1.2 1.5 1.3 - - - - - -			15 to 15.5' - Gray CLAY, damp 15.5 to 16.5' - Light brown medium to fine SAND, wet
17						
18						
19						
20						End of Boring at 20 feet below grade (Boring Grouted)

TRC Job No. 159807

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SOIL BORING LOG

BORING NUMBER

SB-7

PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/04/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 7 Feet

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 20 Feet

DRILLER: **C. Green**

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		36	ND ND ND ND ND ND - - - -			0 to 3' - FILL: Brown medium to fine SAND, trace concrete, brick, gravel, & asphalt, moist
2						
3						
4						
5						
6		42	ND ND ND ND ND ND ND ND - -		▼	5 to 8.5' - FILL: Brown medium to fine SAND, trace concrete, brick, gravel, & asphalt, wet at 7 feet below grade
7						
8						
9						
10						
11		18	ND ND ND - - - - - - -			10 to 10.5' - Gray fine to very fine SAND, wet 10.5 to 11.5' - Light gray medium to fine SAND, some rounded gravel - Petroleum-like sheen within macro core sleeve from 10-15 foot interval
12						
13						
14						
15						
16		30	ND ND ND ND ND ND - - - -			15 to 15.5' - Gray medium to fine SAND, wet 15.5 to 17' - Gray CLAY, damp 17 to 17.5' Gray medium to fine SAND, some clay, little silt, wet
17						
18						
19						
20						End of Boring at 20 feet below grade

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SOIL BORING LOG

BORING NUMBER

SB-8

PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/04/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 6 Feet

DRILLER: **C. Green**

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 15 Feet

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		32	0.3 1.6 1.0 0.7 0.3 - - - -			0 to 2.5' - FILL: Brown medium to fine SAND, little gravel, trace asphalt, damp
2						
3						
4						
5						
6		42	1.0 0.9 0.4 0.7 0.8 1.3 0.2 - - -		▼	5 to 5.75' - FILL: Brown medium to fine SAND, little gravel, trace asphalt, damp 5.75 to 8.5' - Gray medium to fine SAND, trace rounded gravel, trace organics (roots), wet, slight sulfurous odor
7						
8						
9						
10						
11		60	1.8 1.6 1.4 7.8 17.2 42.4 76.8 53.0 21.5 -	SB-8 13-13.5		10 to 13' - Gray medium to fine SAND, trace rounded gravel, trace organics (roots), wet, slight sulfurous odor 13 to 15' - Gray CLAY
12						
13						
14						
15						
16						End of Boring at 15 feet below grade
17						
18						
19						
20						

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SOIL BORING LOG

BORING NUMBER

SB-9

PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/06/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 7 Feet

DRILLER: **L. Reiss**

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 20 Feet

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		42	ND ND ND ND ND 0.4 0.3 - - -			0 to 3' - FILL: Brown medium to fine SAND, little concrete, brick, gravel, & asphalt, moist
6		42	0.5 0.5 0.6 0.5 0.2 ND - - - -		▼	5 to 8.5' - FILL: Brown medium to fine SAND, little concrete, brick, gravel, & asphalt, wet at 7 feet below grade, petroleum-like sheen and odor 8-8.5 feet below grade
11		42	3.2 3.9 39.1 4.9 1.9 1.5 2.5 - - -			10 to 13.5' - Gray medium to fine SAND, wet, petroleum-like sheen and odor 10-13 feet below grade, petroleum-like residual 10-12 feet below grade
16		18	20 105 1.5 - - - - - -			15 to 16.5' - Gray medium to fine SAND, wet, petroleum-like sheen and odor, thin clay lense at 15.5 feet below grade 16.5' - ORGANICS (fine roots), and clay, damp
20						End of Boring at 20 feet below grade

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SOIL BORING LOG

BORING NUMBER
SB-10

PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/04/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 6.5 Feet

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 15 Feet

DRILLER: **C. Green**

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		42	ND ND ND ND ND ND ND - - -			0 to 2' - FILL: Brown medium to fine SAND, trace concrete, brick, gravel, & asphalt, moist 2 to 3.5' - FILL: CONCRETE
2						
3						
4						
5						
6		24	ND ND ND 11.3 - - - - - -		▼	5 to 6.5' - FILL: Brown medium to fine SAND, trace concrete, brick, gravel, & asphalt, moist 6.5 to 7' - Gray medium to fine SAND, wet, petroleum-like residual and odor
7						
8						
9						
10						
11		30	ND ND ND ND ND - - - - -			10 to 12' - Gray medium to fine SAND, wet, slight petroleum-like odor 12 to 13' - Gray medium to fine SAND, little rounded gravel, wet 13 to 13.5' - Gray CLAY, damp
12						
13						
14						
15						
16						End of Boring at 15 feet below grade
17						
18						
19						
20						

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SOIL BORING LOG

BORING NUMBER

SB-11

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PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/07/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 6.5 Feet

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 40 Feet

DRILLER: **L. Reiss**

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		36	ND ND ND ND ND ND - - - -			0 to 3' - FILL: Brown medium to fine SAND, little silt, trace brick, concrete, asphalt, & gravel, moist
6		36	ND ND ND ND 5.6 5.2 - - - -		▼	5 to 7' - FILL: Brown medium to fine SAND, little silt, trace brick, concrete, asphalt, & gravel, moist 7 to 8' - Gray medium to fine SAND, wet, petroleum-like sheen, odor, and residual
11		36	ND ND 8.2 ND ND ND - - - -			10 to 13' - Gray medium to fine SAND, little coarse to fine gravel, wet, petroleum-like odor, sheen, and residual 10-12 feet below grade
16		36	ND ND ND ND ND 90.0 - - - -			15 to 18' - Gray medium to fine SAND, solvent-like odor 18 feet

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DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
21		30	46.0 42.0 38.6 8.6 14.8 7.6 - - - -	SB-11 20-20.5		20 to 22.5' - Gray CLAY, damp
26		48	3.2 2.6 5.0 6.0 7.8 9.2 10.0 12.2 - -	SB-11 GW 25-29		25 to 26' - PEAT, and gray clay, damp 26 to 29' - Light brown coarse to fine SAND, some coarse to fine rounded gravel, wet
31		48	ND ND ND ND ND ND ND ND - -	SB-11 GW 33-37		30 to 33' - Light brown coarse to fine SAND, some coarse to fine rounded gravel, wet 33 to 34' - Orange-brown fine to very fine SAND, little silt, damp to wet
36		36	ND ND ND ND ND ND - - - -			35 to 36.5' - Orange-brown fine to very fine SAND, little silt, damp to wet 36.5 to 37.25' - Green-gray very fine SAND, trace shells, damp to wet 37.25 to 38' - Green-gray CLAY, damp End of Boring at 40 feet below grade (Boring Grouted)

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SOIL BORING LOG

BORING NUMBER

SB-12

PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/04/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 6 Feet

DRILLER: **C. Green**

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 20 Feet

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		36	ND ND ND 4.5 ND ND - - - -			0 to 3' - FILL: Brown medium to fine SAND, some silt, trace gravel, brick, concrete & asphalt, moist
2						
3						
4						
5						
6		42	ND ND 37.9 63.2 42.8 59.8 63.1 - - -		▼	5 to 6' - FILL: Brown medium to fine SAND, some silt, trace gravel, brick, concrete & asphalt, moist 6 to 8.5' - Gray medium to fine SAND, wet, petroleum-like odor and stains, product present within saturated sand
7						
8						
9						
10						
11		42	22.3 17.9 5.1 8.4 7.0 5.0 2.8 - - -			10 to 13.5' - Gray fine to very fine SAND, wet, petroleum-like odor and sheen
12						
13						
14						
15						
16		24	ND ND ND ND - - - - - -			15 to 16' - Gray fine to very fine SAND, wet, petroleum-like odor 16 to 17' - Gray CLAY, damp, slight petroleum-like odor
17						
18						
19						
20						End of Boring at 20 feet below grade

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SOIL BORING LOG

BORING NUMBER
SB-13

PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/04/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 7 Feet

DRILLER: **C. Green**

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 15 Feet

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		12	19.2			0 to 1.0' - FILL: Brown SILT, and medium to fine sand, trace concrete & asphalt, moist
2			-			
3			-			
4			-			
5			-			
6		36	9.0			5 to 7' - FILL: Brown SILT, and medium to fine sand, trace concrete & asphalt, moist
7			28.2		▼	
8			96.8			7 to 8' - Dark gray medium to fine SAND, with thin clay lenses, wet, slight solvent-like odor in association with clay lenses
9			141			
10			-			
11		54	3602	SB-13 10-10.5		10 to 11' - Dark gray medium to fine SAND, wet, solvent-like odor
12			1902			
13			2630	SB-13 11-11.5		11 to 14.5' - Gray CLAY
14			467			
15			85.0			
16			439			End of Boring at 15 feet below grade
17			174			
18			340			
19			-			
20			-			

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SOIL BORING LOG

BORING NUMBER

SB-14

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PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/07/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 6 Feet

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 35 Feet

DRILLER: **L. Reiss**

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		36	ND ND ND ND ND ND - - - -			0 to 2' - FILL: Brown medium to fine SAND, trace gravel, brick, concrete, & asphalt, moist
6		42	ND ND ND 49.8 31.5 48.2 17.8 5.0 - -		▼	5 to 6' - FILL: Brown medium to fine SAND, trace gravel, brick, concrete, & asphalt, moist 6 to 8.5' - Gray medium to fine SAND, wet, petroleum-like sheen and odor, petroleum-like product 6-7.5 feet below grade
11		60	49.9 50.1 64.4 15.9 7.8 4.0 ND ND ND ND			10 to 15' - Gray medium to fine SAND, wet, petroleum-like product 10-12 feet below grade, petroleum-like odor 12-13 feet below grade
16		42	ND ND ND ND ND ND ND - - -			15 to 18.5' - Gray medium to fine SAND, wet

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DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
21		30	ND ND 204 52.0 ND - - - -	SB-14 21.5-22		20 to 21.5' - Gray medium to fine SAND, wet 21.5 to 22.5' - Gray CLAY, slight solvent-like odor, damp
26		48	ND ND ND ND ND ND ND ND - -			25 to 25.5' - Gray CLAY, damp 25.5 to 29' - Light brown medium to fine SAND, little coarse to fine rounded gravel, wet
31		42	ND ND ND ND 2083 564 2.3 - - -	SB-14 32.5-33		30 to 32.5' - Orange-brown fine to very fine SAND, damp to wet 32.5 to 33.5' - Green-gray very fine SAND, trace shells, strong solvent-like odor 33.5 - Green-gray CLAY, damp
36						End of Boring at 35 feet below grade (Boring Grouted)

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SOIL BORING LOG

BORING NUMBER

SB-15

PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/04/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 6.0 Feet

DRILLER: **C. Green**

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 20 Feet

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		32	ND			0 to 2.7' - FILL: Brown medium to fine SAND, some silt, trace brick, concrete & asphalt, damp
2			ND			
3			ND			
4			-			
5			-			
6		24	16.4		▼	5 to 5.5' - FILL: Brown medium to fine SAND, some silt, trace brick, concrete & asphalt, damp
7			51.9			
8			0.3			5.5 to 7' - Gray medium to fine SAND, wet at 6.0 feet below grade, petroleum-like stain at 6.0 feet
9			-			
10			-			
11		30	ND			10 to 12.5' - Gray fine to very fine SAND, wet
12			ND			
13			ND			
14			-			
15			-			
16		30	ND	SB-15 16-16.5		15 to 16' - Gray fine to very fine SAND, wet
17			ND			16 to 16.5' - Gray CLAY, damp
18			ND			16.5 to 17.5' - Light brown medium to fine SAND, wet
19			-			
20			-			End of Boring at 20 feet below grade

TRC Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER **SB-16**
PROJECT NAME: CPB	**LOCATION:** Edgemere, New York	
PROJECT NO.: 159807	**CONTRACTOR:** Zebra Environmental	DATE DRILLED: **05/04/09**
SAMPLER TYPE/DIA.: Macrocore/2"	**DEPTH TO WATER:** 6 Feet	DRILLER: **C. Green**
BORING METHOD: Direct Push	**TOTAL DEPTH DRILLED:** 15 Feet	LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		36	ND ND ND ND ND ND - - - -			0 to 3' - FILL: Brown medium to fine SAND, some silt, trace concrete, brick, gravel, & asphalt, moist
2						
3						
4						
5						
6		24	ND ND ND 36.4 - - - - - -		▼	5 to 5.5' - FILL: Brown medium to fine SAND, some silt, trace concrete, brick, gravel, & asphalt, moist 5.5 to 6.25' - FILL: CONCRETE 6.25 to 7' - Gray medium to fine SAND, wet, petroleum-like sheen
7						
8						
9						
10						
11		36	ND ND ND 3.3 8.1 2.2 - - - -			10 to 11.5' - Gray medium to fine SAND 11.5 to 13' - Gray CLAY, some organics (meadow mat-like plant fibers), damp
12						
13						
14						
15						
16						End of Boring at 15 feet below grade
17						
18						
19						
20						

TRC Environmental Corporation
57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-17

PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/04/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 6.5 Feet

DRILLER: **C. Green**

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 20 Feet

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		30	83.6 8.6 3.6 9.0 - - - - -			0 to 2.5' - FILL: Brown medium to fine SAND, and silt, trace brick, concrete & asphalt, damp
2						
3						
4						
5						
6		48	9.4 6.4 97.4 74.2 6.3 39.2 87.2 - - -	SB-17 8.5-9	▼	5 to 7' - FILL: Brown medium to fine SAND, and silt, trace brick, concrete & asphalt, wet at 6.5 feet, petroleum-like sheen at 6.5 feet 7 to 8' - Gray medium to fine SAND, wet, slight solvent-like odor 8 to 9' - Gray CLAY, damp, slight solvent-like odor
7						
8						
9						
10						
11		48	20.0 62.7 28.4 32.4 71.2 368 154 145 - -			10 to 12.5' - Gray fine to very fine SAND, wet 12.5 to 14' - Light gray medium to fine SAND, wet, solvent-like odor
12						
13						
14						
15						
16		18	1701 497 256 - - - - - -	SB-17 15-15.5		15 to 16.5' - Gray CLAY, with thin interbeds of sand, solvent-like odor
17						
18						
19						
20						End of Boring at 20 feet below grade

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SOIL BORING LOG

BORING NUMBER

SB-18

(Page 1 of 2)

PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/07/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 6 Feet

DRILLER: **L. Reiss**

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 35 Feet

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		24	ND			0 to 2' - FILL: Brown medium to fine SAND, some silt, trace gravel, brick, concrete, & asphalt, moist
			ND			
2			ND			
			ND			
3			-			
			-			
4			-			
			-			
5			-			
6		36	ND		▼	5 to 6' - FILL: Brown medium to fine SAND, some silt, trace gravel, brick, concrete, & asphalt, moist
			ND			6 to 8' - Gray medium to fine SAND, wet, petroleum-like sheen and odor 6-7 feet below grade
7			1.2			
			22.7			
8			1.0			
			0.9			
9			-			
			-			
10			-			
11		60	1.7			10 to 14.5' - Gray medium to fine SAND, wet,
			2.0			
12			2.7			
			2.6			
13			3.5			
			8.0			
14			5.4			
			4.6			
15			3.4			14.5 to 15' - Light brown medium to fine SAND, little medium to fine rounded gravel, wet
			3.2			
16		48	6.3			15 to 19' - Light brown medium to fine SAND, little medium to fine rounded gravel, wet
			6.8			
17			7.6			
			7.3			
18			8.0			
			10.6			
19			12.3			
			14			
20			-			
			-			

TRC Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER **SB-18** (Page 2 of 2)

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
21		36	13.8 23.7 24.8 10.7 10.5 4.2 5.0 5.6 - -	SB-18 20-20-5 SB-18 GW 20-24		20 to 21' - Gray CLAY, damp 21 to 21.5' - Gray-black organic CLAY, damp 21.5 to 23' - Light brown medium to fine SAND, wet
26		48	0.7 0.7 0.8 0.3 0.9 1.0 1.2 1.3 - -	SB-18 GW 27-31		25 to 29' - Light brown medium to fine SAND, wet
31		48	ND ND ND ND ND ND ND ND - -			30 to 31' - Orange-brown fine to very fine SAND, damp to wet 31 to 33' - Green-gray very fine SAND, trace shells, damp to wet 33 to 34' - Green-gray CLAY, damp
36						End of Boring at 35 feet below grade (Boring Grouted)

TRC Environmental Corporation
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SOIL BORING LOG

BORING NUMBER

SB-19

PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/04/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 6 Feet

DRILLER: **C. Green**

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 15 Feet

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		36	ND			0 to 3' - FILL: Brown medium to fine SAND, some silt, trace concrete, brick, gravel, & asphalt, moist
2			ND			
3			ND			
4			ND			
5			ND			
6		36	ND		▼	5 to 6' - FILL: Brown medium to fine SAND, some silt, trace concrete, brick, gravel, & asphalt, moist
7			ND			6 to 8' - Gray medium to fine SAND, wet, free-phase petroleum-like product at 6.5 feet below grade
8			19.9			
9			39.6			
10			17.8			
11		42	ND			10 to 13' - Gray CLAY, damp
12			ND			
13			ND			13 to 13.5' - Gray fine to very fine SAND, some silt, wet
14			ND			
15			ND			
16						End of Boring at 15 feet below grade
17						
18						
19						
20						

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SOIL BORING LOG

BORING NUMBER

SB-20

PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/04/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 5 Feet

DRILLER: **C. Green**

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 15 Feet

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		30	ND ND ND ND ND - - - - -			0 to 2.5' - FILL: Light brown medium to fine SAND, little silt, trace rounded gravel, wood, & concrete, moist
2						
3						
4						
5					▼	
6		36	ND ND ND ND ND ND - - - -			5 to 8' - Gray medium to fine SAND, trace rounded gravel, wet
7						
8						
9						
10						
11		30	1.9 49.0 322 3321 807 - - - - -	SB-20 12-12.5		10 to 12' - Gray medium to fine SAND, trace rounded gravel, wet 12 to 12.75' - Gray CLAY, solvent-like odor 12.75 to 13' - Light brown medium to fine SAND, wet
12						
13						
14						
15						
16						End of Boring at 15 feet below grade (Boring Grouted)
17						
18						
19						
20						

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SOIL BORING LOG

BORING NUMBER

SB-21

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PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/06/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 6.5 Feet

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 40 Feet

DRILLER: **L. Reiss**

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		42	ND ND ND ND ND ND ND - - -			0 to 0.25' - FILL: Brown SILT, some organics (roots), little medium to fine sand, moist 0.25 to 3.5' - FILL: Light brown medium to fine SAND, trace silt, damp
6		60	ND ND ND ND ND ND ND ND ND 0.4		▼	5 to 6.5' - FILL: Light brown medium to fine SAND, trace silt, damp 6.5 to 8.5' - Light brown coarse to fine SAND, little rounded gravel, wet 8.5 to 10' - Gray coarse to fine SAND, some rounded gravel, wet
11		36	ND ND ND ND ND ND - - - -			10 to 10.75' - Gray CLAY, damp 10.75 to 11.75' - Gray medium to fine SAND, little organics (roots), wet 11.75 to 12.25' - Gray CLAY, little organics, damp 12.25 to 13' - Gray medium to fine SAND, wet
16		30	2.4 0.5 1.5 17.5 29.0 0.5 - - - -			15 to 15.5' - Light gray medium to fine SAND, wet 15.5 to 16.5' - Gray CLAY, damp 16.5 to 17.25' - Dark brown PEAT 17.25 to 17.5' - Light brown medium to very fine SAND, wet

TRC Environmental Corporation 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER **SB-21** (Page 2 of 2)

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
21		54	ND ND ND ND ND ND ND ND -	SB-21 GW 24-28		20 to 24.5' - Light brown medium to very fine SAND, little rounded gravel, wet
26		48	ND ND ND ND ND ND ND ND - -			25 to 28.5' - Light brown medium to very fine SAND, little rounded gravel, wet 28.5 to 29' - Orange-brown coarse to fine SAND, little coarse to fine gravel, wet
31		33	ND ND ND ND ND ND - - - -			30 to 31' - Light brown coarse to medium SAND, wet 31 to 31.75' - Light brown medium to fine SAND, wet 31.75 to 32.25' - Orange-brown fine to very fine SAND, damp to wet
36		0	- - - - - - - - - -	SB-21 GW 36-40		NO RECOVERY End of Boring at 40 feet below grade (Boring Grouted)

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SOIL BORING LOG

BORING NUMBER

SB-22

PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/07/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 7.5 Feet

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 20 Feet

DRILLER: **L. Reiss**

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		36	ND			0 to 3' - FILL: Brown medium to fine SAND, some silt, little concrete, brick, gravel, & asphalt, moist
2			ND			
3			ND			
4			-			
5			-			
6		42	ND			5 to 7.5' - FILL: Brown medium to fine SAND, some silt, little concrete, brick, gravel, & asphalt, moist
7			ND		▼	7.5 to 8.5' - Gray medium to fine SAND, wet, petroleum-like sheen and odor at 8.5 feet below grade
8			ND			
9			-			
10			-			
11		54	8.2			10 to 14.5' - Gray medium to fine SAND, wet, petroleum-like sheen and odor 10-12 feet below grade
12			12.7			
13			ND			
14			ND			
15			-			
16		36	ND			15 to 17.5' - Gray medium to fine SAND, wet
17			ND			
18			ND			17.5 to 18' - Gray CLAY, damp
19			-			
20			-			End of Boring at 20 feet below grade

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SOIL BORING LOG

BORING NUMBER

SB-23

PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/04/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 7 Feet

DRILLER: **C. Green**

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 15 Feet

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		36	ND			0 to 3' - FILL: Brown medium to fine SAND, some silt, trace concrete, brick, gravel, & asphalt, moist
2			ND			
3			ND			
4			-			
5			-			
6		36	ND		▼	5 to 8' - FILL: Brown medium to fine SAND, some silt, trace concrete, brick, gravel, & asphalt, wet at 7.0 feet below grade
7			ND			
8			ND			
9			-			
10			-			
11		42	37.2			10 to 11' - Gray medium to fine SAND, wet, residual petroleum-like product at 10-10.5 feet below grade, petroleum-like odor 10-11 feet below grade
12			ND			11 to 13' - Gray CLAY, damp
13			ND			
14			-			13 to 13.5' - Light brown medium to fine SAND, little rounded gravel, wet
15			-			
16						End of Boring at 15 feet below grade
17						
18						
19						
20						

TRC Environmental Corporation
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SOIL BORING LOG

BORING NUMBER
SB-24

PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/07/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 7.5 Feet

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 15 Feet

DRILLER: **L. Reiss**

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		42	ND			0 to 3' - FILL: Brown medium to fine SAND, some silt, trace concrete, brick, gravel, & asphalt, moist
2			ND			
3			ND			
4			ND			
5			-			
6		48	ND			5 to 7.5' - FILL: Brown medium to fine SAND, some silt, little concrete, brick, gravel, asphalt, clay, & gravel-sized slag-like or clinker-like material, moist
7			ND		▼	
8			ND			7.5 to 9' - Gray medium to fine SAND, wet
9			ND			
10			-			
11		36	ND			10 to 13' - Gray CLAY, some organics (peat-like stalks and stems), damp
12			ND			
13			ND			
14			-			
15			-			
16						End of Boring at 15 feet below grade
17						
18						
19						
20						

TRC Environmental Corporation
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SOIL BORING LOG

BORING NUMBER

SB-25

PROJECT NAME: CPB **LOCATION:** Edgemere, New York

PROJECT NO.: 159807 **CONTRACTOR:** Zebra Environmental

DATE DRILLED: **05/07/09**

SAMPLER TYPE/DIA.: Macrocore/2" **DEPTH TO WATER:** 7 Feet

DRILLER: **L. Reiss**

BORING METHOD: Direct Push **TOTAL DEPTH DRILLED:** 15 Feet

LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						Unpaved.
1		48	ND			0 to 4' - FILL: Brown medium to fine SAND, some silt, trace concrete, brick, gravel, & asphalt, moist
2			ND			
3			ND			
4			ND			
5			-			
6		36	ND			5 to 7' - FILL: Brown medium to fine SAND, some silt, trace concrete, brick, gravel, & asphalt, moist
7			ND		▼	
8			ND			7 to 8' - Gray medium to fine SAND, wet
9			-			
10			-			
11		24	ND			10 to 12' - Gray CLAY, some organics (peat-like stalks and stems), damp
12			ND			
13			-			
14			-			
15			-			
16						End of Boring at 15 feet below grade
17						
18						
19						
20						

TRC ENVIRONMENTAL CORP.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

TEST PIT LOG

TEST PIT NUMBER
TP-1

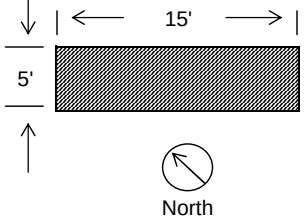
PROJECT NAME: CPB **LOCATION:** Edgemere, NY

PROJECT NO.: 159807 **CONTRACTOR:** Brookside Environmental

DATE COMPLETED: **03/10/09**
OPERATOR: **B. Pamoll**
LOGGED BY: **D. Avudzega**

DEPTH FROM SURFACE (FEET)	PID (ppm)	Conceptualized Cross Section	LITHOLOGIC CLASSIFICATION AND COMMENTS
1	NA	FILL (Topsoil)	0 to 2.0' - FILL: Topsoil, organics (leaves)
2	NA		
3	NA	Fill with Concrete	2.0 to 9.5' - FILL: Gray fine to coarse SAND, huge (up to 4 inches thick and 4feet long) concrete slabs, construction debris (timber, snow fence), no staining, no odor, groundwater encountered at 9.5 feet.
4	NA		
5	NA		
6	NA		
7	NA		
8	NA	Fill without Concrete Or Native Sand	
9	NA		
10	NA	▼ Ground Water	End of test pit at 9.5 ft bgs.
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

TEST PIT PLAN



Vol. = 26 cu. yd.

PROPORTIONS USED

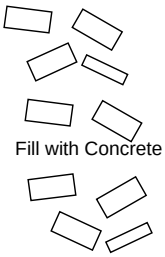
Trace (TR)	0 - 10%
Little (LI.)	10 - 20%
Some (SO.)	20 - 35%
And	35 - 50%

GRAIN SIZE

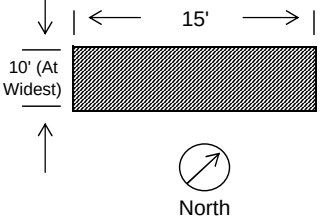
Boulder	>203 mm	>8 in.
Cobble	76 - 203 mm	3 - 8 in.
C. Gravel	19 -76 mm	3/4 - 3 in.
Gravel	4.75 - 19 mm	3/16 - 3/4 in.
C. Sand	2.0 - 4.75 mm	5/64 - 3/16 in.
M. Sand	0.4 - 2.0 mm	1/64 - 5/64 in.
F. Sand	0.075 - 0.4 mm	
Silt	0.002 - 0.075 mm	
Clay	<0.002 mm	

TRC ENVIRONMENTAL CORP. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	TEST PIT LOG	TEST PIT NUMBER TP-2

PROJECT NAME: CPB	**LOCATION:** Edgemere, NY	DATE COMPLETED: **03/10/09**
		OPERATOR: **B. Pamoll**
PROJECT NO.: 159807	**CONTRACTOR:** Brookside Environmental	LOGGED BY: **D. Avudzega**

DEPTH FROM SURFACE (FEET)	PID (ppm)	Conceptualized Cross Section	LITHOLOGIC CLASSIFICATION AND COMMENTS
1	NA, NA, NA, NA	FILL (Topsoil)	0 to 2.0' - FILL: Topsoil, organics (leaves)
2			
3	NA, NA, NA, NA, NA, NA, NA, NA, NA, NA	 Fill with Concrete	2.0 to 9.5' - FILL: Gray fine to coarse SAND, huge (up to 4 inches thick and 4feet long) concrete slabs, construction debris (timber, snow fence), no staining, no odor, groundwater encountered at 9.5 feet.
4			
5			
6			
7			
8	NA, NA, NA, NA, NA	Fill without Concrete Or Native Sand	
9			
10		▼ Ground Water	End of test pit at 9.5 ft bgs.
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

TEST PIT PLAN



Vol. = 69 cu. yd.

PROPORTIONS USED

Trace (TR)	0 - 10%
Little (Ll.)	10 - 20%
Some (SO.)	20 - 35%
And	35 - 50%

GRAIN SIZE

Boulder	>203 mm	>8 in.
Cobble	76 - 203 mm	3 - 8 in.
C. Gravel	19 -76 mm	3/4 - 3 in.
Gravel	4.75 - 19 mm	3/16 - 3/4 in.
C. Sand	2.0 - 4.75 mm	5/64 - 3/16 in.
M. Sand	0.4 - 2.0 mm	1/64 - 5/64 in.
F. Sand	0.075 - 0.4 mm	
Silt	0.002 - 0.075 mm	
Clay	<0.002 mm	

TRC ENVIRONMENTAL CORP.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

TEST PIT LOG

TEST PIT NUMBER
TP-3

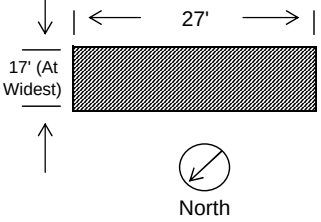
PROJECT NAME: CPB **LOCATION:** Edgemere, NY

PROJECT NO.: 159807 **CONTRACTOR:** Brookside Environmental

DATE COMPLETED: **03/10/09**
OPERATOR: **B. Pamoll**
LOGGED BY: **D. Avudzega**

DEPTH FROM SURFACE (FEET)	PID (ppm)	Conceptualized Cross Section	LITHOLOGIC CLASSIFICATION AND COMMENTS
1	NA	FILL (Topsoil)	0 to 2.0' - FILL: Topsoil, organics (leaves)
2	NA		
3	NA	Fill with Concrete	2.0 to 9.5' - FILL: Gray fine to coarse SAND, huge (up to 4 inches thick and 4 feet long) concrete slabs, construction debris (timber, snow fence), staining, odor present, groundwater encountered at 9.5 feet, floating product on groundwater.
4	NA		
5	NA		
6	NA		
7	NA		
8	NA	Fill without Concrete Or Native Sand	
9	NA	Petroleum-Stained Soil Above the Ground Water Table	
10		Ground Water &Floating Product	End of test pit at 9.5 ft bgs.
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

TEST PIT PLAN



Vol. = 100 cu. yd.

PROPORTIONS USED

Trace (TR)	0 - 10%
Little (LI.)	10 - 20%
Some (SO.)	20 - 35%
And	35 - 50%

GRAIN SIZE

Boulder	>203 mm	>8 in.
Cobble	76 - 203 mm	3 - 8 in.
C. Gravel	19 -76 mm	3/4 - 3 in.
Gravel	4.75 - 19 mm	3/16 - 3/4 in.
C. Sand	2.0 - 4.75 mm	5/64 - 3/16 in.
M. Sand	0.4 - 2.0 mm	1/64 - 5/64 in.
F. Sand	0.075 - 0.4 mm	
Silt	0.002 - 0.075 mm	
Clay	<0.002 mm	

TRC ENVIRONMENTAL CORP.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

TEST PIT LOG

TEST PIT NUMBER
TP-4

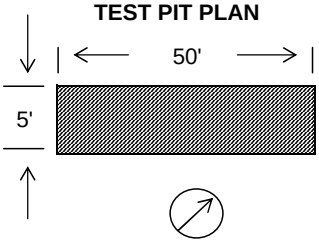
PROJECT NAME: CPB **LOCATION:** Edgemere, NY

PROJECT NO.: 159807 **CONTRACTOR:** Brookside Environmental

DATE COMPLETED: **04/29/09**
OPERATOR: **B. Pamoll**
LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	PID (ppm)	SAMPLE DESIGNATION AND DEPTH (feet)	LITHOLOGIC CLASSIFICATION AND COMMENTS
1	ND		0 to 2' - FILL: Dark brown medium to fine SAND, little concrete, wood, & metal, moist
2	ND		2 to 5.5' - FILL: Light brown medium to fine SAND, moist
3	ND		
4	ND		
5	ND		5.5 to 6' - FILL: black gravel-sized material (slag-like or clinker-like), trace brick cinder & coal, moist to damp
6	ND		6 to 8' - Gray fine to very fine SAND, damp
7	ND		
8	ND	▼	- Ground water encountered at 8 feet below grade
9	ND		8 to 8.5' - Gray medium to fine SAND, wet
10	ND	TP-4 9.5-10	
11	ND		
12	ND		
13			End of test pit at 12 ft bgs.
14			
15			
16			

TEST PIT PLAN



Vol. = 111 cu. yd.

PROPORTIONS USED

Trace (TR)	0 - 10%
Little (LI.)	10 - 20%
Some (SO.)	20 - 35%
And	35 - 50%

GRAIN SIZE

Boulder	>203 mm	>8 in.
Cobble	76 - 203 mm	3 - 8 in.
C. Gravel	19 -76 mm	3/4 - 3 in.
Gravel	4.75 - 19 mm	3/16 - 3/4 in.
C. Sand	2.0 - 4.75 mm	5/64 - 3/16 in.
M. Sand	0.4 - 2.0 mm	1/64 - 5/64 in.
F. Sand	0.075 - 0.4 mm	
Silt	0.002 - 0.075 mm	
Clay	<0.002 mm	

TRC Job No. 159807
TP-1 through TP-13 Test Pit Logs.xls/TP-4

TRC ENVIRONMENTAL CORP.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

TEST PIT LOG

TEST PIT NUMBER
TP-5

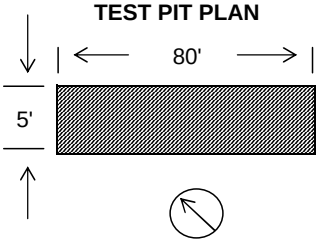
PROJECT NAME: CPB **LOCATION:** Edgemere, NY

PROJECT NO.: 159807 **CONTRACTOR:** Brookside Environmental

DATE COMPLETED: **04/29/09**
OPERATOR: **B. Pamoll**
LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	PID (ppm)	SAMPLE DESIGNATION AND DEPTH (feet)	LITHOLOGIC CLASSIFICATION AND COMMENTS
1	ND		0 to 9.5' - FILL: Dark brown medium to fine SAND, some concrete blocks (average size 3' x 3' x 0.5' thick), little concrete aggregate, brick, asphalt, and timbers, moist to damp to 9 feet below grade, wet below 9 feet
2	ND		
3	ND		
4	ND		
5	ND		- Foundation wall (grade beam) for former building encountered at southeastern end of test pit. Grade beam was approximately 1.5 feet wide, and extended from 2 to 6 feet below grade. Test pit excavation followed the grade beam. Free-phase petroleum-like product entered excavation at the ground water table from the soil under the grade beam.
6	ND		
7	ND		
8	ND		
9	6.0		- Ground water at 9 feet below grade, free-phase petroleum-like product enters excavation from southern sidewall
10		TP-5 9-9.5	- Black SILT, and organics (roots and stalks) present 9.0-9.5 feet below grade in center of excavation
11	28.8	TP-5 10-10.5	9.5 to 13' - Gray medium to very fine SAND, petroleum-like staining and odor, free phase petroleum-like product observed within the sand matrix below the ground water table
12	10.2	TP-5 11.5-12	
13	7.0		
14			End of test pit at 13 ft bgs
15			
16			

TEST PIT PLAN



Vol. = 193 cu. yd.

PROPORTIONS USED

Trace (TR)	0 - 10%
Little (LI.)	10 - 20%
Some (SO.)	20 - 35%
And	35 - 50%

GRAIN SIZE

Boulder	>203 mm	>8 in.
Cobble	76 - 203 mm	3 - 8 in.
C. Gravel	19 -76 mm	3/4 - 3 in.
Gravel	4.75 - 19 mm	3/16 - 3/4 in.
C. Sand	2.0 - 4.75 mm	5/64 - 3/16 in.
M. Sand	0.4 - 2.0 mm	1/64 - 5/64 in.
F. Sand	0.075 - 0.4 mm	
Silt	0.002 - 0.075 mm	
Clay	<0.002 mm	

TRC ENVIRONMENTAL CORP. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	TEST PIT LOG	TEST PIT NUMBER TP-6

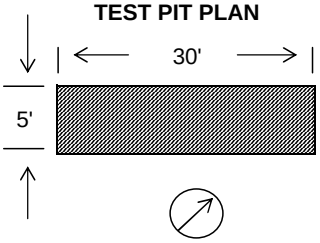
PROJECT NAME: CPB **LOCATION:** Edgemere, NY

PROJECT NO.: 159807 **CONTRACTOR:** Brookside Environmental

DATE COMPLETED: **04/28/09**
OPERATOR: **B. Pamoll**
LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	PID (ppm)	SAMPLE DESIGNATION AND DEPTH (feet)	LITHOLOGIC CLASSIFICATION AND COMMENTS
1	ND		0 to 8' - FILL: Dark brown medium to fine SAND, some concrete blocks (average size 3' x 3' x 0.5' thick), little concrete aggregate, brick, asphalt, and timbers, moist
2	ND		
3	ND		
4	ND		
5	ND		
6	ND		
7	ND		
8			- Ground water encountered at 8 feet below grade
9	78.8	TP-6 8-8.5	8 to 9.5' - Gray medium to fine SAND, wet, moderate petroleum-like odor and petroleum-like globules, clay lenses at eawstern end of excavation (where PID reading = 78.8 ppm)
10	59.2		9.5 to 10' - Gray CLAY, moist, moderate petroleum-like odor
11			End of test pit at 10 ft bgs.
12			
13			
14			
15			
16			

TEST PIT PLAN



Vol. = 56 cu. yd.

PROPORTIONS USED

Trace (TR)	0 - 10%
Little (LI.)	10 - 20%
Some (SO.)	20 - 35%
And	35 - 50%

GRAIN SIZE

Boulder	>203 mm	>8 in.
Cobble	76 - 203 mm	3 - 8 in.
C. Gravel	19 -76 mm	3/4 - 3 in.
Gravel	4.75 - 19 mm	3/16 - 3/4 in.
C. Sand	2.0 - 4.75 mm	5/64 - 3/16 in.
M. Sand	0.4 - 2.0 mm	1/64 - 5/64 in.
F. Sand	0.075 - 0.4 mm	
Silt	0.002 - 0.075 mm	
Clay	<0.002 mm	

TRC ENVIRONMENTAL CORP. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	TEST PIT LOG	TEST PIT NUMBER TP-7

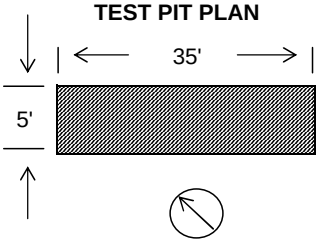
PROJECT NAME: CPB **LOCATION:** Edgemere, NY

PROJECT NO.: 159807 **CONTRACTOR:** Brookside Environmental

DATE COMPLETED: **04/28/09**
OPERATOR: **B. Pamoll**
LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	PID (ppm)	SAMPLE DESIGNATION AND DEPTH (feet)	LITHOLOGIC CLASSIFICATION AND COMMENTS
1	ND		0 to 1.5' - FILL: Dark brown medium to fine SAND, little concrete blocks (average size 3' x 3' x 0.5' thick), concrete aggregate & brick, moist
2	ND		1.5 to 8' - FILL: Light brown medium to fine SAND, trace silt, moist to damp
3	ND		
4	ND		
5	ND		
6	ND		
7	ND		
8	8.7	TP-7 7.5-8 TP-7A 8-8.5	- Ground water encountered at 8 feet below grade
9	ND		8 to 8.5' - Gray medium to fine SAND, wet 8.5 to 9' - Gray CLAY with patches of green medium to fine sand and blue silt, damp to wet
10			End of test pit at 9 ft bgs.
11			
12			
13			
14			
15			
16			

TEST PIT PLAN



Vol. = 58 cu. yd.

PROPORTIONS USED

Trace (TR)	0 - 10%
Little (LI.)	10 - 20%
Some (SO.)	20 - 35%
And	35 - 50%

GRAIN SIZE

Boulder	>203 mm	>8 in.
Cobble	76 - 203 mm	3 - 8 in.
C. Gravel	19 -76 mm	3/4 - 3 in.
Gravel	4.75 - 19 mm	3/16 - 3/4 in.
C. Sand	2.0 - 4.75 mm	5/64 - 3/16 in.
M. Sand	0.4 - 2.0 mm	1/64 - 5/64 in.
F. Sand	0.075 - 0.4 mm	
Silt	0.002 - 0.075 mm	
Clay	<0.002 mm	

TRC ENVIRONMENTAL CORP. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	TEST PIT LOG	TEST PIT NUMBER TP-8

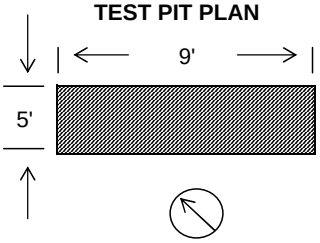
PROJECT NAME: CPB **LOCATION:** Edgemere, NY

PROJECT NO.: 159807 **CONTRACTOR:** Brookside Environmental

DATE COMPLETED: **04/28/09**
OPERATOR: **B. Pamoll**
LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	PID (ppm)	SAMPLE DESIGNATION AND DEPTH (feet)	LITHOLOGIC CLASSIFICATION AND COMMENTS
1	ND		0 to 8' - FILL: Dark brown medium to fine SAND, some concrete blocks (average size 3' x 3' x 0.5' thick), little concrete aggregate & brick, moist
2	ND		
3	ND		
4	ND		
5	ND		
6	ND		
7	ND		
8		▼	- Ground water encountered at 8 feet below grade
9	82.7		8 to 8.5' - Gray medium to fine SAND, wet, free-phase petroleum-like product observed within the sand matrix
10			End of test pit at 8.5 ft bgs.
11			
12			
13			
14			
15			
16			

TEST PIT PLAN



Vol. = 14 cu. yd.

PROPORTIONS USED

Trace (TR)	0 - 10%
Little (LI.)	10 - 20%
Some (SO.)	20 - 35%
And	35 - 50%

GRAIN SIZE

Boulder	>203 mm	>8 in.
Cobble	76 - 203 mm	3 - 8 in.
C. Gravel	19 -76 mm	3/4 - 3 in.
Gravel	4.75 - 19 mm	3/16 - 3/4 in.
C. Sand	2.0 - 4.75 mm	5/64 - 3/16 in.
M. Sand	0.4 - 2.0 mm	1/64 - 5/64 in.
F. Sand	0.075 - 0.4 mm	
Silt	0.002 - 0.075 mm	
Clay	<0.002 mm	

TRC ENVIRONMENTAL CORP.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

TEST PIT LOG

TEST PIT NUMBER
TP-9

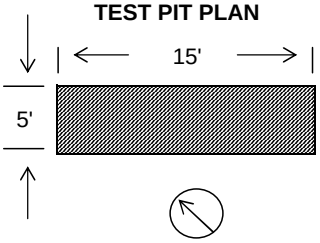
PROJECT NAME: CPB **LOCATION:** Edgemere, NY

PROJECT NO.: 159807 **CONTRACTOR:** Brookside Environmental

DATE COMPLETED: **04/30/09**
OPERATOR: **B. Pamoll**
LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	PID (ppm)	SAMPLE DESIGNATION AND DEPTH (feet)	LITHOLOGIC CLASSIFICATION AND COMMENTS
1	ND		0 to 2' - FILL: Dark brown medium to fine SAND, little concrete & brick, dry to moist
2	ND		2 to 8' - FILL: Light brown medium to fine SAND, moist to damp
3	ND		
4	ND		
5	ND		
6	ND		
7	ND		
8	ND		▼ - Ground water encountered at 8 feet below grade 8 to 12' - Gray medium to fine SAND, wet
9	ND		
10	ND		
11	ND		
12	ND		
13	ND	TP-9 12.5-13	12 to 12.5' - Gray fine to very fine SAND, wet 12.5 to 13' - Gray rounded GRAVEL, and coarse to medium sand, wet
14			End of test pit at 13 ft bgs.
15			
16			

TEST PIT PLAN



Vol. = 36 cu. yd.

PROPORTIONS USED

Trace (TR)	0 - 10%
Little (LI.)	10 - 20%
Some (SO.)	20 - 35%
And	35 - 50%

GRAIN SIZE

Boulder	>203 mm	>8 in.
Cobble	76 - 203 mm	3 - 8 in.
C. Gravel	19 -76 mm	3/4 - 3 in.
Gravel	4.75 - 19 mm	3/16 - 3/4 in.
C. Sand	2.0 - 4.75 mm	5/64 - 3/16 in.
M. Sand	0.4 - 2.0 mm	1/64 - 5/64 in.
F. Sand	0.075 - 0.4 mm	
Silt	0.002 - 0.075 mm	
Clay	<0.002 mm	

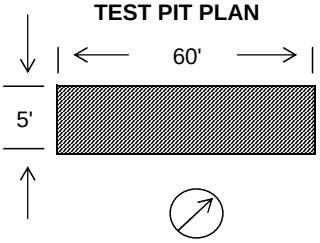
TRC Job No. 159807
TP-1 through TP-13 Test Pit Logs.xls/TP-9

TRC ENVIRONMENTAL CORP. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	TEST PIT LOG	TEST PIT NUMBER TP-10

PROJECT NAME: CPB	**LOCATION:** Edgemere, NY	DATE COMPLETED: **04/28/09**
		OPERATOR: **B. Pamoll**
PROJECT NO.: 159807	**CONTRACTOR:** Brookside Environmental	LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	PID (ppm)	SAMPLE DESIGNATION AND DEPTH (feet)	LITHOLOGIC CLASSIFICATION AND COMMENTS
1	ND		0 to 1.5' - FILL: Dark brown medium to fine SAND, little brick & concrete, moist
2	ND		1.5 to 8.5' - FILL: Light brown medium to fine SAND, trace silt, moist to damp
3	ND		
4	ND		
5	ND		
6	ND		- a layer of black gravel-sized material (slag-like or clinker-like) with trace brick, coal, and cinders in eastern end of excavation at 6-7 feet below grade
7	ND		
8	ND		
		TP-10 8-8.5 ▼	- Ground water encountered at 8.5 feet below grade
9	ND		8.5 to 9' - Dark brown CLAY, and silt, damp to wet, slight odor
10			End of test pit at 9 ft bgs.
11			
12			
13			
14			
15			
16			

TEST PIT PLAN



Vol. = 100 cu. yd.

PROPORTIONS USED

Trace (TR)	0 - 10%
Little (LI.)	10 - 20%
Some (SO.)	20 - 35%
And	35 - 50%

GRAIN SIZE

Boulder	>203 mm	>8 in.
Cobble	76 - 203 mm	3 - 8 in.
C. Gravel	19 -76 mm	3/4 - 3 in.
Gravel	4.75 - 19 mm	3/16 - 3/4 in.
C. Sand	2.0 - 4.75 mm	5/64 - 3/16 in.
M. Sand	0.4 - 2.0 mm	1/64 - 5/64 in.
F. Sand	0.075 - 0.4 mm	
Silt	0.002 - 0.075 mm	
Clay	<0.002 mm	

TRC ENVIRONMENTAL CORP. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	TEST PIT LOG	TEST PIT NUMBER TP-11

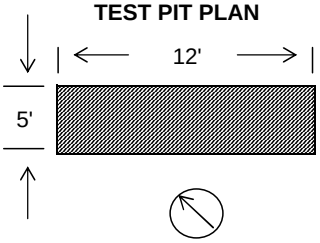
PROJECT NAME: CPB **LOCATION:** Edgemere, NY

PROJECT NO.: 159807 **CONTRACTOR:** Brookside Environmental

DATE COMPLETED: **04/30/09**
OPERATOR: **B. Pamoll**
LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	PID (ppm)	SAMPLE DESIGNATION AND DEPTH (feet)	LITHOLOGIC CLASSIFICATION AND COMMENTS
1	ND		0 to 2' - FILL: Dark brown medium to fine SAND, little concrete & brick, dry to moist
2	ND		2 to 8' - FILL: Light brown medium to fine SAND, moist to damp
3	ND		
4	ND		
5	ND		
6	ND		
7	ND		
8	1.2		▼ - Ground water encountered at 8 feet below grade 8 to 10.5' - Gray medium to fine SAND, wet, sulfurous-like odor
9	ND		
10			
11	6.8		
12	7.6	TP-11 11.5-12	10.5 to 11.5' - Gray rounded GRAVEL, and coarse to medium sand, wet 11.5 to 12' - Gray CLAY, damp
13			End of test pit at 12 ft bgs.
14			
15			
16			

TEST PIT PLAN



Vol. = 27 cu. yd.

PROPORTIONS USED

Trace (TR)	0 - 10%
Little (LI.)	10 - 20%
Some (SO.)	20 - 35%
And	35 - 50%

GRAIN SIZE

Boulder	>203 mm	>8 in.
Cobble	76 - 203 mm	3 - 8 in.
C. Gravel	19 -76 mm	3/4 - 3 in.
Gravel	4.75 - 19 mm	3/16 - 3/4 in.
C. Sand	2.0 - 4.75 mm	5/64 - 3/16 in.
M. Sand	0.4 - 2.0 mm	1/64 - 5/64 in.
F. Sand	0.075 - 0.4 mm	
Silt	0.002 - 0.075 mm	
Clay	<0.002 mm	

TRC ENVIRONMENTAL CORP. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	TEST PIT LOG	TEST PIT NUMBER TP-12

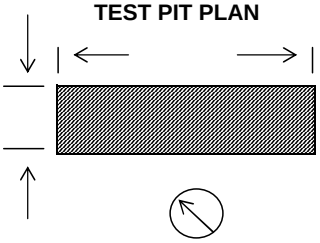
PROJECT NAME: CPB **LOCATION:** Edgemere, NY

PROJECT NO.: 159807 **CONTRACTOR:** Brookside Environmental

DATE COMPLETED: **04/30/09**
OPERATOR: **B. Pamoll**
LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	PID (ppm)	SAMPLE DESIGNATION AND DEPTH (feet)	LITHOLOGIC CLASSIFICATION AND COMMENTS
1	ND		0 to 1.5' - FILL: Dark brown medium to fine SAND, little concrete (blocks) & brick, dry to moist
2	ND		1.5 to 8' - FILL: Light brown medium to fine SAND, moist to damp
3	ND		
4	ND		
5	ND		
6	ND		
7	ND		
			- Ground water encountered at 8.5 feet below grade
8	ND	TP-12 8-8.5 ▼	8 to 8.5' - Light gray CLAY, mottled patches/bands of green medium to fine sand and blue fine sand/silt, damp to wet
9			End of test pit at 8.5 ft bgs.
10			
11			
12			
13			
14			
15			
16			

TEST PIT PLAN



Vol. = 19 cu. yd.

PROPORTIONS USED

Trace (TR)	0 - 10%
Little (LI.)	10 - 20%
Some (SO.)	20 - 35%
And	35 - 50%

GRAIN SIZE

Boulder	>203 mm	>8 in.
Cobble	76 - 203 mm	3 - 8 in.
C. Gravel	19 -76 mm	3/4 - 3 in.
Gravel	4.75 - 19 mm	3/16 - 3/4 in.
C. Sand	2.0 - 4.75 mm	5/64 - 3/16 in.
M. Sand	0.4 - 2.0 mm	1/64 - 5/64 in.
F. Sand	0.075 - 0.4 mm	
Silt	0.002 - 0.075 mm	
Clay	<0.002 mm	

TRC ENVIRONMENTAL CORP. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	TEST PIT LOG	TEST PIT NUMBER TP-13

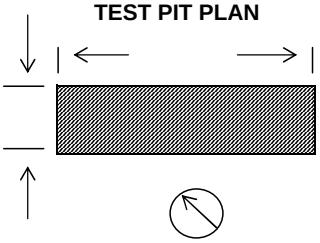
PROJECT NAME: CPB **LOCATION:** Edgemere, NY

PROJECT NO.: 159807 **CONTRACTOR:** Brookside Environmental

DATE COMPLETED: **04/30/09**
OPERATOR: **B. Pamoll**
LOGGED BY: **S. McCray**

DEPTH FROM SURFACE (FEET)	PID (ppm)	SAMPLE DESIGNATION AND DEPTH (feet)	LITHOLOGIC CLASSIFICATION AND COMMENTS
1	ND		0 to 10' - FILL: Dark brown medium to fine SAND, some concrete blocks (average size 3' x 3' x .05' thick), little brick, concrete aggregate, asphalt, & timbers, moist to damp to 9 feet below grade, wet at 9'
2	ND		
3	ND		
4	ND		
5	ND		
6	ND		
7	ND		
8	ND		
9	ND		▼ - Ground water encountered at 9 feet below grade
10			10 to 10.5' - Gray fine to very fine SAND, wet, petroleum-like odor and petroleum-like globules
	5.2	TP-13 10-10.5	
11			End of test pit at 10.5 ft bgs.
12			
13			
14			
15			
16			

TEST PIT PLAN



Vol. = 23 cu. yd.

PROPORTIONS USED

Trace (TR)	0 - 10%
Little (LI.)	10 - 20%
Some (SO.)	20 - 35%
And	35 - 50%

GRAIN SIZE

Boulder	>203 mm	>8 in.
Cobble	76 - 203 mm	3 - 8 in.
C. Gravel	19 -76 mm	3/4 - 3 in.
Gravel	4.75 - 19 mm	3/16 - 3/4 in.
C. Sand	2.0 - 4.75 mm	5/64 - 3/16 in.
M. Sand	0.4 - 2.0 mm	1/64 - 5/64 in.
F. Sand	0.075 - 0.4 mm	
Silt	0.002 - 0.075 mm	
Clay	<0.002 mm	

Photo 1: View of south wall of test pit TP-3 (southwestern corner of Site, near MW-4s/MW-4i well cluster), showing buried concrete blocks, metal, and other debris.

Photo 2: View of test pit TP-3 (southwestern corner of Site, near MW-4s/MW-4i well cluster), showing free-phase petroleum product encountered.

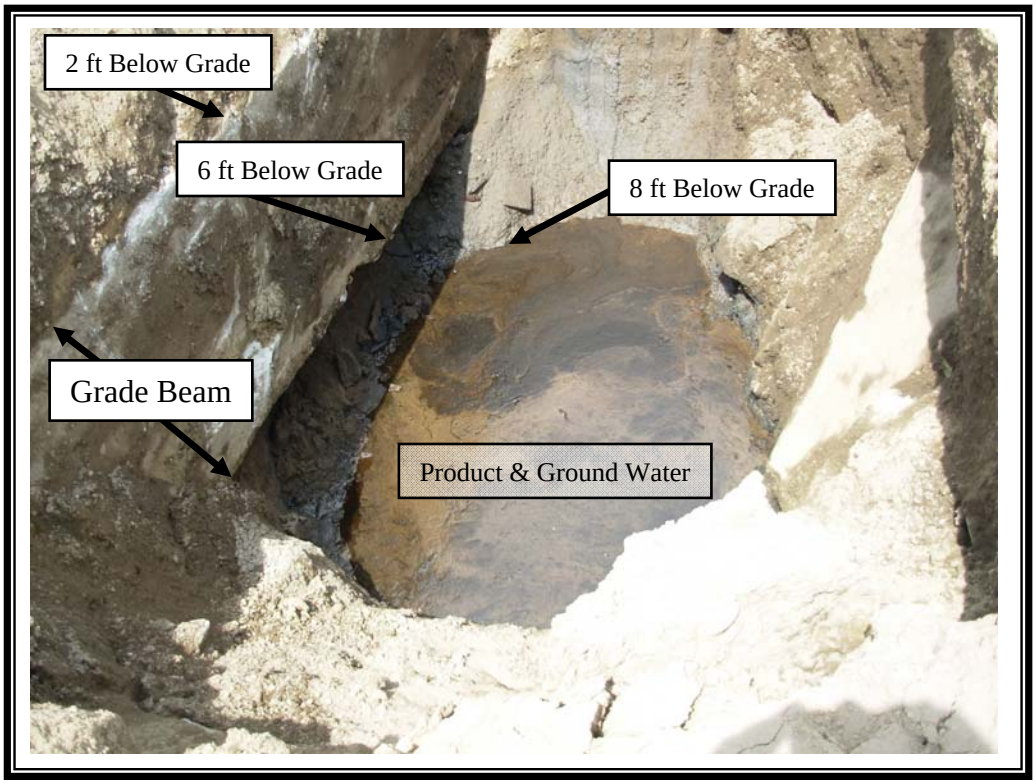


Photo 3: View of test pit TP-5, showing former building foundation wall (grade beam) and free-phase petroleum encountered.

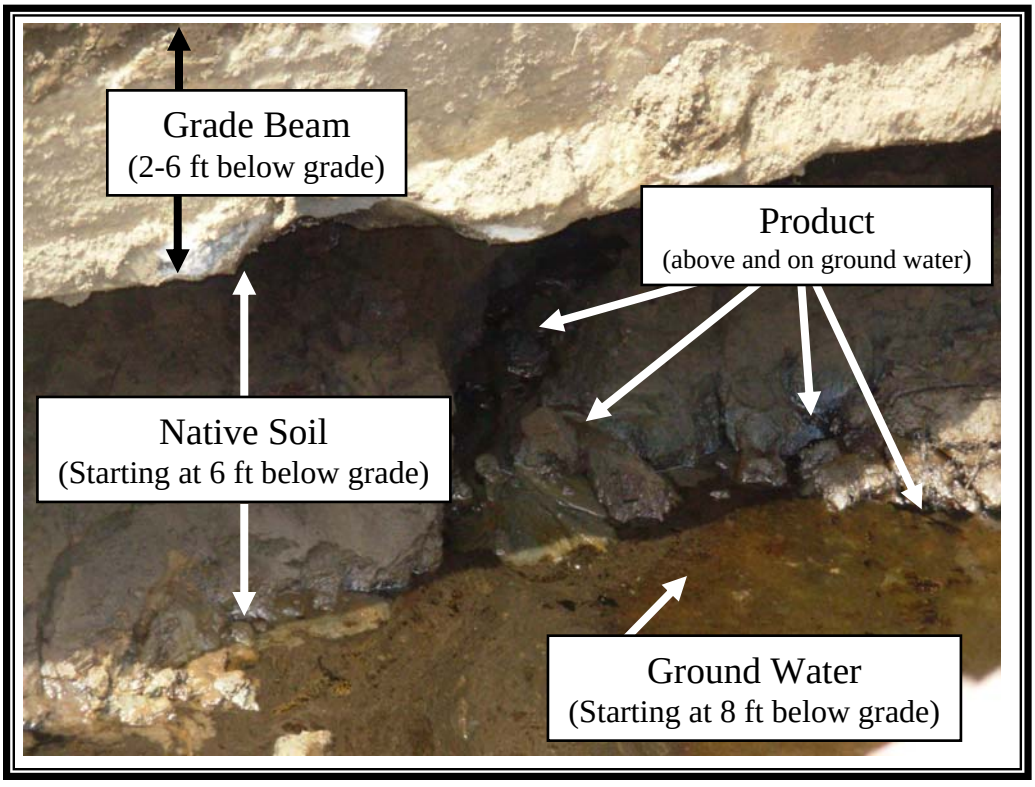


Photo 4: View of western wall of test pit TP-5, showing free-phase petroleum below grade beam.

Photo 5: View of soil core from soil boring SB-22, showing petroleum sheen (circled) within saturated gray sand (8.5 feet below grade).

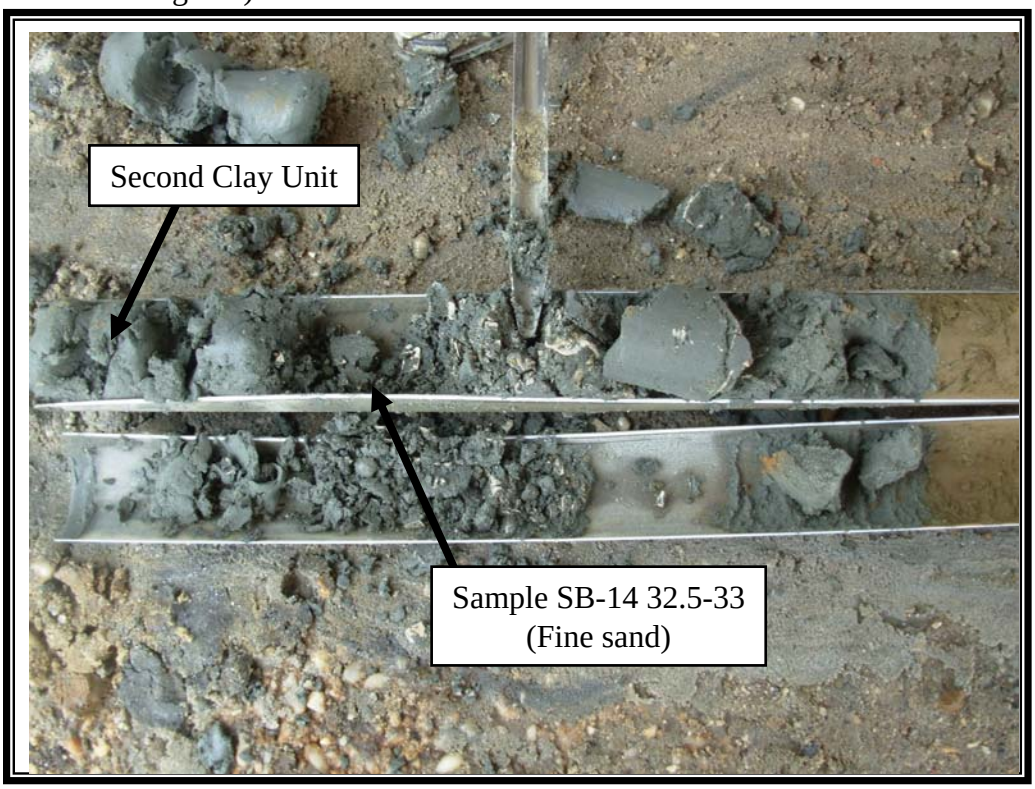


Photo 6: View of soil core from soil boring SB-14, showing greenish-gray sand immediately above second clay, where solvent-like odor and elevated photo ionization detector readings were found. Sample SB-32 32.5-33 contained 6,990 milligrams per kilogram (mg/kg) of trichloroethene.

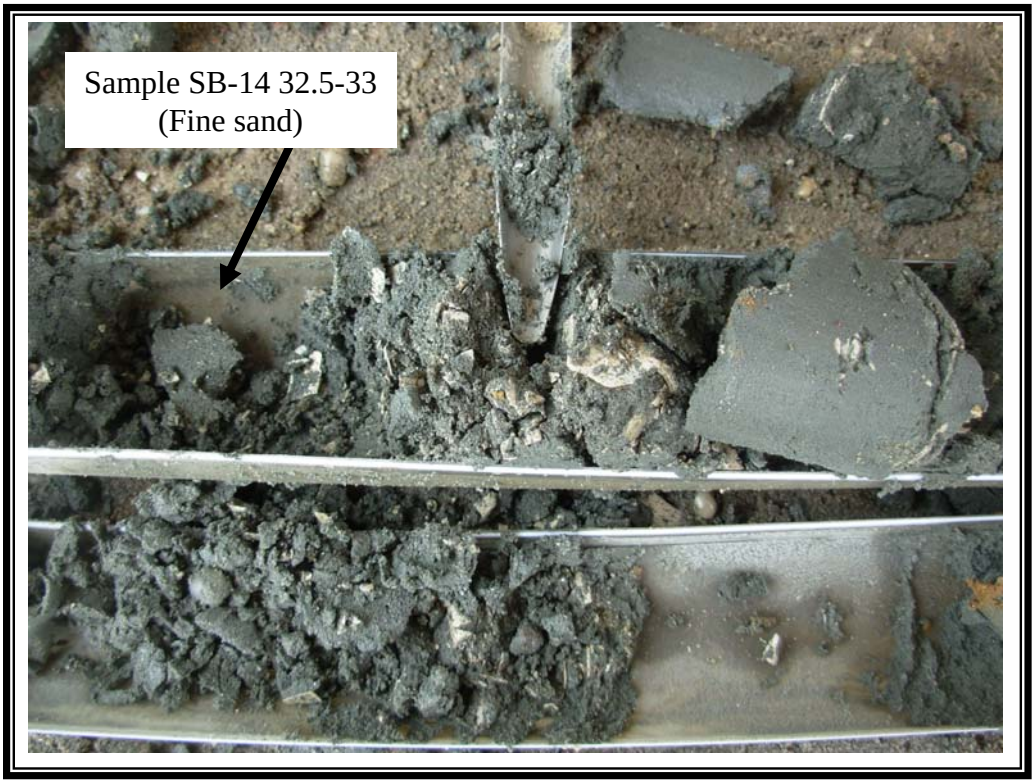


Photo 7: Closer view of soil core from soil boring SB-14, showing interval where sample SB-32 32.5-33 was collected. Note that second clay, sampled soil, and shallower soils are the same color, and that the sample did not contain any staining, and the greenish-gray color appears to be natural.