



April 10, 2015

Mr. Matt Franklin
New York State Department of Environmental Conservation
Region 4 Headquarters
1130 North Westcott Road
Schenectady, NY 12306-2014

**RE: Supplemental Phase II Investigation Report
700 Smith Boulevard at the Port of Albany, New York
NYSDEC Spill No.: 1405730
CHA Project No.: 28952**

Dear Mr. Franklin:

On behalf of the Albany Port District Commission, CHA Consulting, Inc. (CHA) is pleased to provide this Supplemental Phase II Investigation Report for your information. This Supplemental Phase II Investigation Report (Report) has been prepared to document the results of the additional subsurface investigation activities that were conducted relative to the property located at 700 Smith Boulevard in Albany, New York. In addition, this Report outlines the proposed site management activities to be conducted at the Site. The site location is shown on Figure 1.

Background

The subject site consists of approximately 12.14 acres of vacant industrial land and is located at 700 Smith Boulevard, in the Port of Albany, City of Albany, Albany County, NY. Based on a Phase I Environmental Site Assessment Report that was prepared for the site (CHA, May 2013), the subject site was utilized by Atlantic Steel Corporation and as a railroad yard prior to 1951. The Site is improved by two one-story structures, which were built in the early 1950s. According to lease agreements on file with the Albany Port District Commission (APDC), the Site was used for metal recycling operations since at least 1964, establishing a long history of industrial use. Existing site utilities include natural gas, electricity, public water, and public sewer.

The Site was recently vacated by the previous tenant, Sims Group, as assignee of Schiabo Hudson Corporation (Sims) upon the termination of its lease with the APDC. Plumley Engineering, P.C. (Plumley) performed a Phase II Environmental Site Assessment (ESA) at the Site after the lease with Sims expired. The Phase II ESA included surface soil sampling; the installation of soil borings and collection of subsurface soil samples; and the installation of temporary monitoring wells and collection of groundwater samples.

Since the Albany Port District Commission (APDC) is the owner of the property located at 700 Smith Boulevard, they requested that CHA review the analytical results of the Phase II ESA on their behalf. As

As a result of this review, it was determined that semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and metals were present in surface and/or subsurface soils at concentrations that exceeded the cleanup guidelines used by DEC for remedial programs. In addition, some VOCs were present in low levels above standards in groundwater samples collected from the Site.

Due to the presence of the identified contaminants in soil and groundwater, CHA reported a spill to the New York State Department of Environmental Conservation (NYSDEC) at the request of the APDC on August 26, 2014. The NYSDEC assigned a spill number of #1405730. CHA followed up the spill report with a call to Mr. Matt Franklin, also on August 26, 2014, to further describe the results of the investigation. In addition, CHA contacted Mr. James Haklar, the Environmental Protection Agency (EPA) Region 2 PCB Coordinator, on September 12, 2014 regarding the levels of PCBs that were detected in the site soils. Mr. Haklar indicated that since the soil contained greater than 50 parts per million (ppm) PCBs, it is considered a remediation waste under Title 40 of the Code of Federal Regulations (CFR) Part 761. He said that there was no requirement for reporting it until a clean-up plan had been prepared and was ready for EPA review, at which point the submission of notification and a cleanup plan would be required. Mr. Haklar also confirmed that no other EPA reporting (such as to the National Response Center [NRC]) was required at that time.

Due to the fact that Plumley did not sample the temporary monitoring wells for either PCBs or metals, CHA performed additional sampling of groundwater on August 29, 2014. More specifically, ten (10) of the 11 temporary monitoring wells (excluding B-3/TW, which was observed to be dry at the time of sampling) were re-sampled and analyzed for PCBs and metals. The results of that sampling indicate that, while several metals were detected above groundwater standards in all of the monitoring wells sampled, only one monitoring well contained PCBs above groundwater standards.

Following a review of the previously collected analytical data, the APDC determined that additional site characterization should be performed to better define the nature and extent of the observed impacts. As such, CHA prepared a Supplemental Phase II Investigation Work Plan (Work Plan) on behalf of the APDC. The purpose of the Work Plan was to generate enough data to further define the nature and extent of impacts as well as to evaluate the need for remediation, and if needed, the remedial alternatives. This Work Plan was submitted to Mr. Franklin of the NYSDEC on November 17, 2014. In an email dated November 24, 2014, Mr. Franklin indicated that the NYSDEC did not have any comments on the Work Plan.

The following sections outline the results of the Phase II ESA performed by Plumley Engineering, P.C.; the field activities that were conducted as part of the Supplemental Investigation; the results of the recent Supplemental Phase II Investigation; and a discussion of these results along with proposed future activities at the Site.

Results of Phase II ESA – Plumley Engineering, P.C.

As previously discussed, Plumley completed a Phase II ESA in August of 2014. Their investigation included the collection of 12 surface soil (0" to 6") samples, the installation of 11 subsurface borings and associated subsurface soil sampling, the collection of subsurface soil samples from two (2) exposed test pit areas, and the installation and sampling of 11 temporary groundwater monitoring wells. Sample locations are shown on Figure 2. It is noted that the monitoring wells were installed as temporary monitoring wells only, not as a properly constructed monitoring well. The purpose was to allow for the collection of a grab groundwater sample. However, due to the temporary construction, the analytical results may not be representative of actual groundwater conditions. A summary of the results is provided in the following subsections:

Surface Soil Analytical Results

The surface soil sample results are summarized in Table 1, with only detected parameters shown. The surface soil samples were analyzed for VOCs, SVOCs, PCBs and metals. All soil laboratory results are reported in parts per million (ppm). The laboratory results for the soil samples were compared to Title 6 of the New York Code, Rules and Regulations (6 NYCRR) Part 375 Environmental Remediation Programs Restricted Industrial Use Soil Cleanup Objectives (Industrial SCOs).

As shown on Table 1, there were no VOCs detected in any of the surface soil samples. There were only two SVOCs, benzo(a)pyrene and dibenzo(a,h)anthracene, detected above Industrial SCOs. Benzo(a)pyrene was detected above the Industrial SCO in six (6) of the surface soil samples while dibenzo(a,h)anthracene was detected above the Industrial SCO in only one (1) of the surface soil samples. However, it is noted that the detections were only slightly above the Industrial SCOs. Both of these compounds are considered polycyclic aromatic hydrocarbons (PAHs), which are commonly present in fill materials.

While PCBs were detected in each of the surface soil samples, they were only detected above the Industrial SCO of 25 ppm in one (1) of the 12 samples, surface soil sample S-11.

Lastly, there were one or more metals detected above Industrial SCOs in seven (7) of the 12 surface soil samples. The metals detected above Industrial SCOs were arsenic, lead and mercury.

Subsurface Soil Analytical Results

The subsurface soil sample results are summarized in Table 2, with only detected parameters shown. The subsurface soil samples were analyzed for one or more of the following parameter lists: VOCs, SVOCs, PCBs and metals. The laboratory results for the soil samples were also compared to Industrial SCOs.

As shown on Table 2, only one sample contained two parameters above the respective Industrial SCOs. Subsurface soil sample S-1(3.5'), collected from a test pit located on the western portion of the site, contained benzo(a)pyrene at a concentration of 1.68 ppm, slightly above the Industrial SCO of 1.1 ppm, and arsenic at a concentration of 19.6 ppm, slightly above the Industrial SCO of 16 ppm. There were no other subsurface soil samples that contained parameters in exceedance of an Industrial SCO.

Groundwater Analytical Results

The groundwater sample results are summarized in Table 3, with only detected parameters shown. The groundwater samples were analyzed for VOCs and SVOCs only. The groundwater analytical results were compared to the Class GA groundwater standards and/or guidance values presented in the NYSDEC, Division of Water Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1 standards); Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. It is noted that the depths of the wells were reported to be 8 to 16 feet deep by Plumley; however, boring logs were not provided, so the unit within which each well is screened is unknown (i.e. silt or fine sand).

As shown on Table 2, there were no VOCs detected above TOGS 1.1.1 standards in any of the groundwater samples with only two exceptions. Methyl-tert butyl ether (MTBE) was detected at a

concentration of 52.5 µg/L in monitoring well B-1/TW, above the TOGS 1.1.1 standard of 10 µg/L. In addition, the parameters cis-1,2-dichloroethene and vinyl chloride were detected in the sample collected from monitoring well B-8/TW at concentrations of 15.3 µg/L and 2.2 µg/L, respectively. These detections were both above the respective TOGS 1.1.1 standards of 5 µg/L and 2 µg/L.

There were no SVOCs detected above TOGS 1.1.1 groundwater standards.

Summary

In general, the results of Plumley Engineering, P.C.'s Phase II ESA suggest that there are no petroleum impacts to surface soil, subsurface soil, or groundwater at the 700 Smith Boulevard site.

The results do indicate minor impacts to surface soils. Several metals were detected above Industrial SCOs in surface soils across the Site, but in most instances the concentrations of these metals were only slightly above the associated standards. Though PAHs were detected above Industrial SCOs at several surface soil sample locations, the detections are sporadic and are likely associated with the upper fill/reworked unit at the Site rather than a specific source. Lastly, total PCBs were detected at only one (1) isolated location above Industrial SCOs.

There do not appear to be any impacts to subsurface soils aside from minor exceedances at one (1) sample location.

Groundwater appears to have been impacted by MTBE in the vicinity of monitoring well B-1/TW and chlorinated solvents in the vicinity of monitoring well B-8/TW. There is no known source for either of these areas. Given the inferred upgradient location of the MTBE impacts, an off-site source is probable.

Supplemental Phase II Field Activities

As previously noted, due to the results of Plumley's Phase II ESA, it was determined that additional site characterization in the form of a "Supplemental Phase II Investigation" was warranted.

All field activities conducted as part of the Supplemental Phase II Investigation were conducted between December 1st and December 5th, 2014 and on January 30th, 2015 in general accordance with the Supplemental Phase II Investigation Work Plan. The following sections outline the activities conducted as a part of the supplemental investigation.

Soil Boring Installation

Under the direction of qualified CHA environmental scientists, Aquifer Drilling & Testing, Inc. installed 61 soil borings across the Site using direct-push (Geoprobe) methods. The borings were installed on December 2nd through 5th, 2014 and were identified as borings GP-1 through GP-61. The boring locations are shown on Figure 2.

As shown on Figure 2, 49 of the borings were installed on a 100-foot grid system. Thirty (30) of the borings were installed to a depth of 5 feet below ground surface (bgs), with approximately 12 of the borings being further advanced to a depth of seven (7) feet bgs. The remaining seven (7) borings (GP1, GP2, GP10, GP11, GP41, GP42, and GP46) were installed to the top of the observed groundwater table, or approximately 12 to 14 feet bgs. These borings were installed to a deeper

interval to better characterize the soils in the vicinity of Plumley's temporary monitoring wells B-8/TW and B-1/TW. Groundwater samples collected from temporary wells B-8/TW and B-1/TW during the investigation performed by Plumley contained VOCs above standards. As such, these borings were extended to the top of the groundwater table to determine if a soil source for the VOC contamination exists.

In addition to the borings installed as part of the grid system, an additional 12 borings were installed in the immediate vicinity of Plumley's surface soil sample location SS-11 (Figure 2). The purpose of these borings was to delineate a previously identified area in which PCB levels were detected above Part 375 Industrial SCOs.

At each boring location, soil samples were collected in continuous 5-foot intervals using a MacroCore sampler. Upon collection, each soil sampling interval was examined for lithologic classification and visual/olfactory evidence of contamination (e.g. staining, odors). Additionally, a portion of each sampling interval was placed in a sealable plastic bag for subsequent headspace screening for the presence of volatile organic vapors using a photoionization detector (PID).

Soil Sampling

In general, soil samples were collected from the (0 to 1 ft.), (2 to 3 ft.), and (4 to 5 ft.) intervals in each boring. For the borings installed to a depth of seven (7) feet bgs, an additional soil sample from five (5) to seven (7) feet was collected. At several boring locations, the soil recovery amount was such that not all planned samples were collected. As such, Table 4 provides a summary of the borings installed and identifies the soil intervals from which the samples submitted for analysis were collected.

Upon collection, soil samples were placed in laboratory-supplied sampling containers, which were labeled and stored in a cooler with ice pending submittal under chain-of-custody protocol to TestAmerica, Inc. of Buffalo, New York. TestAmerica, Inc. is currently certified by the New York State Department of Health Environmental Laboratory Approval Program (ELAP) and the National Environmental Laboratory Approval Program (NELAP) as administered by the United States Environmental Protection Agency (USEPA) to perform the required analyses.

All soil samples were submitted for analysis by EPA Method 8082 for PCBs and EPA Methods 7471/6010 for Priority Pollutant Metals. The samples were submitted such that the (0 to 1 ft) and (2 to 3 ft) intervals were analyzed by the analytical laboratory first. The remaining samples were held by the laboratory, pending the results of the first round of analyses. If PCBs were detected in both intervals or in the (2 to 3 ft.) interval, then the remaining sample(s) from that boring were analyzed. Table 4 provides a summary of the soil samples that were submitted for laboratory analysis.

Groundwater Monitoring

CHA also performed supplemental groundwater monitoring activities during the Phase II Supplemental Investigation. As previously discussed, Plumley Engineering, P.C. installed a total of 11 temporary monitoring wells during their investigation. CHA environmental scientists surveyed the top-of-riser elevation of each of these 11 wells relative to an established on-site datum (the manhole cover located adjacent to temporary monitoring well B-11/TW). Water levels were then measured at each well location using an electronic water level meter on both December 1, 2014 and January 30, 2015. The ground elevation, top of riser elevation and

groundwater elevation data are provided in Table 5. Monitoring well locations are shown on Figure 2.

Following collection of water level data, the volume of water in each of monitoring wells B-1/TW, B-2/TW, and B-8/TW was calculated. Based on the volume of water in the well casing, three (3) times the calculated volume were removed from well B-2/TW prior to obtaining a representative groundwater samples for analysis. In monitoring wells B-1/TW and B-8/TW, the well was purged to dryness prior to evacuating three (3) well volumes. These wells were then allowed to recharge and a representative sample was collected following recharge. The wells were purged and sampled using polyethylene bailers.

Samples were collected in laboratory-supplied sampling containers, which were labeled and stored in a cooler with ice, pending submittal to TestAmerica, Inc. under chain-of-custody protocol. The samples collected from B-1/TW and B-8/TW were submitted for analysis by EPA Method 8260 for VOCs. The sample collected from B-2/TW were submitted for analysis by EPA Method 8082 for PCBs and EPA Methods 7471/6010 for priority pollutant metals.

Waste Handling and Decontamination

Soil generated during Geoprobe drilling and water generated during monitoring well sampling and decontamination activities were placed in DOT approved 55-gallon drums, which have been temporarily staged on-site for characterization and arrangements for off-site disposal.

Prior to mobilization, the drill rig was thoroughly cleaned to remove oil, grease, mud, and other foreign matter. Subsequently, before initiating drilling at each boring location (and prior to leaving the site), samplers, drill steel, and associated equipment were decontaminated to prevent cross-contamination. For groundwater and soil sampling, dedicated sampling equipment (bailers, acetate sampling sleeve, etc.) was utilized.

Results – Supplemental Phase II Investigation

In general, two primary soil units were identified during the supplement investigation:

- A brown, sandy upper fill/reworked unit with varying amounts of gravel and trace amounts of organics, brick, metal, and wood; and,
- A lower unit consisting of brown to gray fine to coarse sand with little to some silt.

The upper soil unit was observed to range from two (2) to five (5) feet thick throughout Site. The lower unit was observed in each boring, extending to the maximum depth of each boring (maximum depth was 13 feet bgs).

The seven (7) borings (GP1, GP2, GP10, GP11, GP41, GP42, and GP46) that were installed to the top of the observed groundwater table were installed approximately 11.7 to 13 feet deep. These borings were installed to a deeper interval to better characterize the soils in the vicinity of Plumley's temporary monitoring wells B-8/TW and B-1/TW, in which previous groundwater contamination had been identified. There was no field evidence of contamination in any of the seven (7) borings; all PID readings were 0.0 ppm and there were no odors or evidence of staining.

It is noted that all PID readings collected during the supplemental investigation were 0.0 ppm. However, CHA field scientists noted slight odors in the following borings: GP-15 (2' to 2.7'), GP-17 (0' to 1.75'),

GP-31 (1.1' to 2.4'), GP-32 (1' to 3.5'), GP-33 (1.5' to 2'), GP-34 (0.8' to 1.2'), GP-35 (1.1'-4.75'), and GP-47 (2.9')

There was no other field evidence of contamination.

Groundwater elevation data were utilized to generate a groundwater piezometric map, provided as Figure 3. As noted on Figure 3, groundwater elevations from temporary wells B-6/TW and B-11/TW were not utilized to generate groundwater contours. The groundwater elevations in these two wells were approximately six (6) feet higher than the rest of the wells located on-site. While the reason for this condition is not known, it is suspected that the relatively higher groundwater elevations are due to either a perched surface water condition or due to an issue with the temporary well construction, such as improper placement of bentonite.

Based on the groundwater contours presented in Figure 3, it is apparent that groundwater flow across the Site is generally to the southeast towards the Hudson River. The slightly lower groundwater elevation in temporary well B-4/TW, located in the northwestern portion of the Site, drives the groundwater contours to exhibit a small groundwater depression in the center portion of the Site into which groundwater flows radially from the east, north and west. However, it is noted that groundwater elevations for the site were all within approximately one (1) foot as would be expected given the flat topography of the Site and proximity to the Hudson River.

Soil Analytical Results

In total, 153 soil samples were submitted to TestAmerica, Inc. for analysis of metals and PCBs. The soil sample results are summarized in Table 6. All soil laboratory results are reported in ppm. The laboratory reports for the soil analyses can be provided upon request. The analytical results for the soil samples were compared to Industrial SCOs.

As shown on Table 6, PCBs were detected above the Industrial SCO of 25 ppm in only five (5) of the 153 samples that were analyzed. A summary of the exceedances above the Industrial SCO for PCBs is provided on Figure 4 and in the following table:

Sample Location	Sample Depth (ft)	Total PCB Result (ppm)
GP-15	2 to 3	33
GP-26	0 to 1	25.8
GP-32	2 to 3	97
GP-45	0 to 1	227
GP-46	0 to 1	30.3

As indicated above, there were no PCBs detected above Industrial SCOs in any of the samples collected from the 4 to 5 foot sample interval. Of the samples analyzed from the 5 to 7 foot interval (a total of 6 samples), there were no PCBs detected in any of the samples.

Metals were detected above Industrial SCOs in one or more of the samples collected from 19 of the 61 boring locations. Only three (3) metals were detected above industrial standards: arsenic, lead and mercury. In general, most of the samples that contained metals at concentrations above the Industrial SCOs were collected from the 0 to 1 foot sample; only five (5) of the samples collected from the 2 to 3 foot interval and zero (0) of the samples collected from the 4 to 5 foot

and 5 to 7 foot intervals contained any metals detected above Industrial SCOs. Furthermore, the metals that were detected above their respective Industrial SCOs were generally only slightly above the standards, as demonstrated in the following table:

Metal	Industrial SCO (ppm)	Concentration Range Exceeding Industrial SCO (ppm)
Arsenic	16	15.5 – 65.2
Lead	3900	4050 - 4800
Mercury	5.7	5.8 – 25.5

Groundwater Analytical Results

As previously noted, two (2) rounds of groundwater sampling were performed by CHA. All wells were sampled with the exception of temporary well B-3/TW, which was observed to be dry during both sampling events. The first sampling event was performed on August 29, 2014 while the second sampling event was performed on December 1, 2014. The groundwater sample results are summarized in Table 7. The laboratory reports for the groundwater analyses can be provided upon request. The laboratory results for the soil samples were compared to TOGS 1.1.1.

Groundwater samples collected on August 29, 2014 were analyzed for PCBs and metals (total and dissolved). As shown on Table 7, one or metals (total) were detected in each sample at concentrations in exceedance TOGS 1.1.1 standards. However, the results of the dissolved metals analysis indicate that only five (5) metals were detected above TOGS 1.1.1 groundwater standards: iron, magnesium, manganese, nickel and sodium. PCBs were detected at only one location, temporary well B-2/TW. Total PCBs were detected at a concentration of 1.96 µg/L, above the TOGS 1.1.1 standard of 0.09 µg/L.

Based on the results of Plumley's investigation and the sampling performed by CHA on August 29th, 2014, additional confirmatory groundwater sampling was conducted on December 1, 2014. The samples collected from B-1/TW, B-2/TW and B-8/TW were analyzed for constituents that had been previously detected above TOGS 1.1.1 standards. As shown on Table 7, the additional sampling confirmed the presence of PCBs in temporary well B-2/TW, MTBE in in temporary well B-1/TW, and cis-1,2-dichloroethene and vinyl chloride in temporary well B-8/TW.

DISCUSSION

The results of the investigations conducted to date suggest that the upper one (1) to five (5) feet of soil have been impacted with both metals and PCBs in some areas across the Site. In general, concentrations of metals and PCBs are higher in the near-surface soils and decrease with depth. A review of the data suggests that the PCBs, though widespread, are mostly located within the upper fill/reworked unit. However, it is important to note that not all of the upper fill/reworked unit contains PCBs. Based on this pattern of data and the documented 50 year history of the site as a metal recycling facility, the evidence indicates that the site has been impacted by PCB-containing wastes from the shredding of automobiles, household appliances and industrial appliances.

Despite the widespread presence of these constituents, the concentrations are generally below Industrial SCOs with the exception of limited areas. In particular, there are only six (6) areas which contain PCBs

above the Industrial SCO of 25 ppm. Of those six (6) areas, three (3) locations contain PCBs above 50 ppm and therefore are considered "PCB Remediation Waste" under 40 CFR Part 761. PCB concentrations in the remaining areas of the Site are all below Industrial SCOs and, in many cases, non-detectable.

With one minor exception, there were no VOCs, SVOCs, PCBs or metals detected above Industrial SCOs in deeper subsurface soils (>5 feet bgs). These results suggest that the subsurface soils remain un-impacted.

Groundwater at the site does not appear to be significantly impacted. As confirmed with the follow-up sampling conducted during the supplemental investigation, there are three (3) monitoring wells that contain organic contaminants above groundwater standards/guidance values. However, there is no defined on-site soil source for any of the contaminants, with the possible exception of the PCBs detected in temporary monitoring well B-2/TW. In addition, since PCB contamination in this area (GP-32) extends only to a depth of approximately 5 feet bgs and the depth to water is approximately 13 feet bgs, it is possible that the detections were a result of surface water infiltration into the well due to the temporary (poor) construction rather than a true representation of groundwater chemistry.

The presence of MTBE, detected in temporary well B-1/TW, is likely due to an off-site westerly, upgradient source. There is no identified on-site soil source, and the location of B-1/TW is approximately 25 feet from the property line. The adjacent property is occupied by rail lines, which have transported and continue to transport petroleum products. The relatively low-level detections of chlorinated solvents in temporary well B-8/TW appears to be isolated and, again, there is no defined on-site source.

Should you have any questions regarding this Supplemental Phase II Report, please do not hesitate to contact me at (518) 453-8749 or sbenson@chacompanies.com.

Sincerely,



Sarah D. Benson
Project Manager

SDB/sc

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CC: Keith Goertz, NYSDEC
Thomas Owens, Esq. – Albany Port District Commission
Rich Hendrick – Albany Port District Commission
John Privitera – McNamee, Lochner, Titus & Williams, P.C.
Kevin Young – Young/Sommer LLC

ENCLOSURES:

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- Figure 1: Site Location Map
- Figure 2: Site Plan
- Figure 3: Groundwater Piezometric Map
- Figure 4: Soil Analytical Results – PCBs



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- Table 1: Plumley Engineering Phase II ESA – Surface Soil Analytical Results
- Table 2: Plumley Engineering Phase II ESA – Subsurface Soil Analytical Results
- Table 3: Plumley Engineering Phase II ESA – Groundwater Analytical Results
- Table 4: CHA Soil Sampling Summary
- Table 5: CHA Groundwater Elevations
- Table 6: CHA Soil Analytical Results
- Table 7: CHA Groundwater Analytical Results

FIGURES

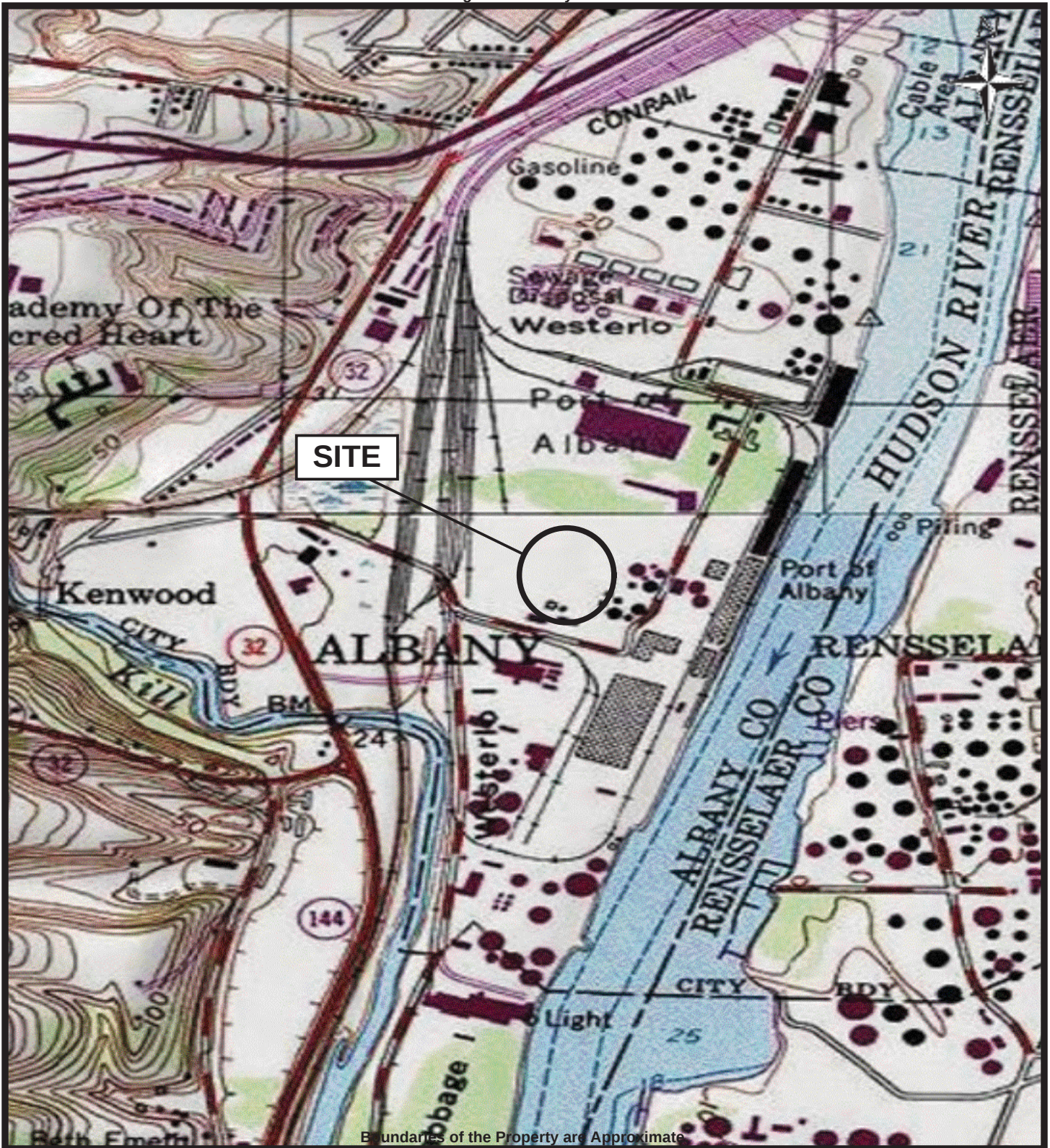


Figure 1 - Site Location Map
700 Smith Boulevard
Albany, NY 12202



PREPARED FOR: Albany Port District Commission

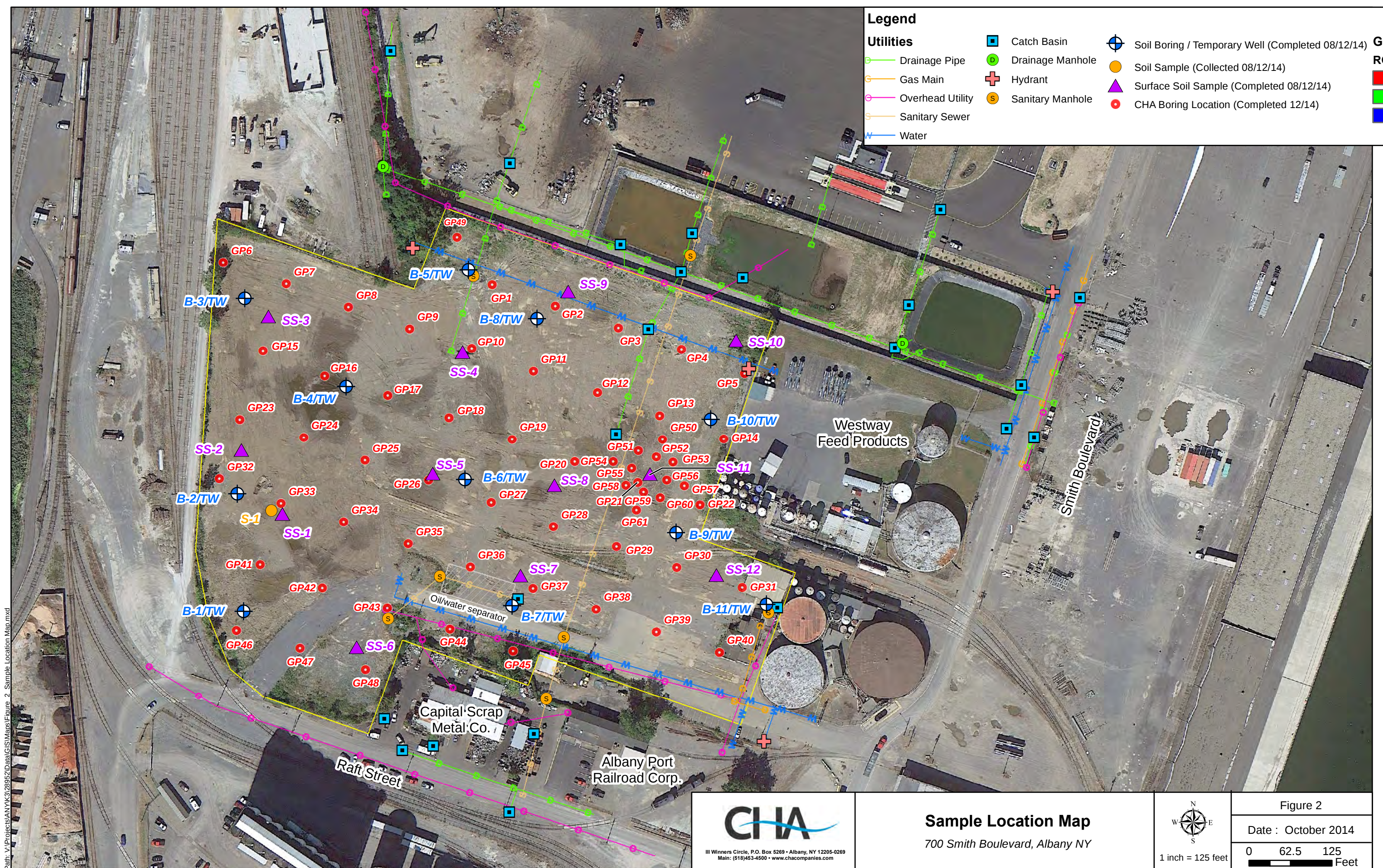
PROJ. MGR: Sarah Benson

DRAWN BY: Scott Rosecrans

DATE: 11/5/2014

PROJ. #: 28952

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Legend

Utilities

- Drainage Pipe
- Gas Main
- Overhead Utility
- Sanitary Sewer
- Water

- Catch Basin
- Drainage Manhole
- Hydrant
- Sanitary Manhole

- Soil Boring / Temporary Well (Completed 08/12/14)
- Soil Sample (Collected 08/12/14)
- Surface Soil Sample (Completed 08/12/14)
- CHA Boring Location (Completed 12/14)

Good

RGB

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Sample Location Map

700 Smith Boulevard, Albany NY

1 inch = 125 feet

Figure 2

Date : October 2014

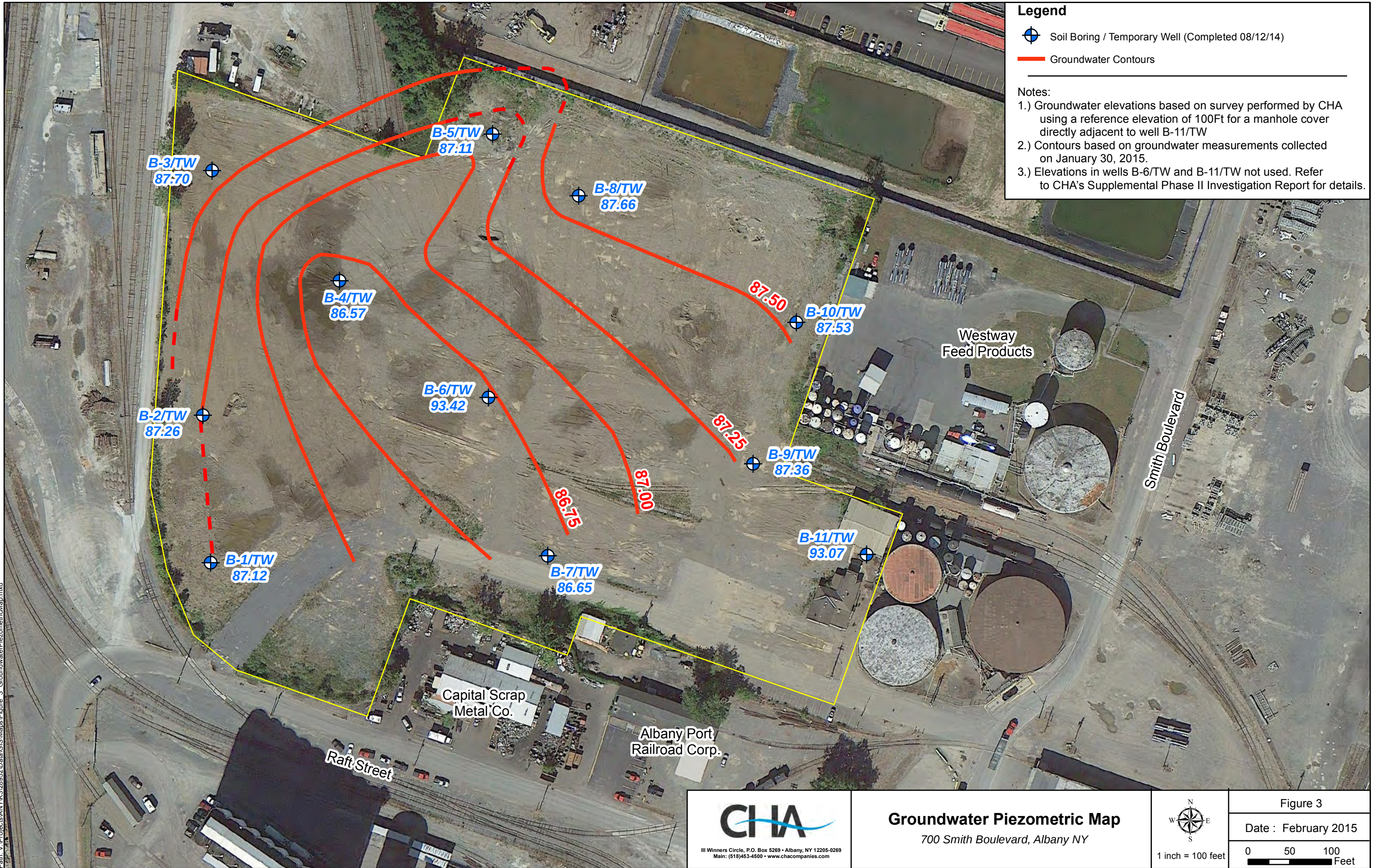
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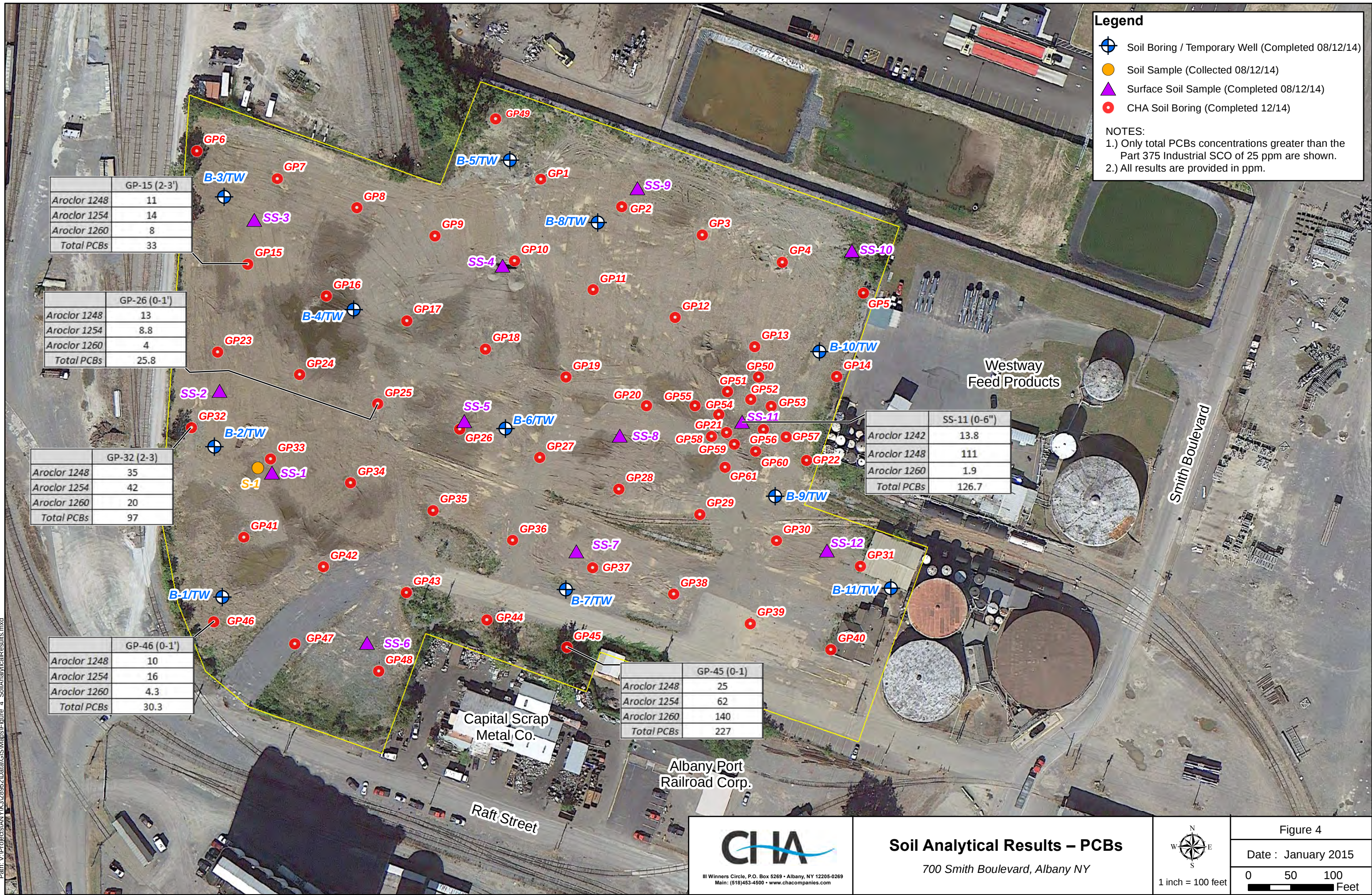
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TABLES

TABLE 1
SURFACE SOIL ANALYTICAL RESULTS
PLUMLEY ENVIRONMENTAL ENGINEERS PHASE II ESA

700 Smith Boulevard
Port of Albany, NY

Client Sample ID: Date Sampled: Matrix:			SS-1 8/12/2014 Surface Soil	SS-2 8/12/2014 Surface Soil	SS-3 8/12/2014 Surface Soil	SS-4 8/12/2014 Surface Soil	SS-5 8/12/2014 Surface Soil	SS-6 8/12/2014 Surface Soil	SS-7 8/12/2014 Surface Soil	SS-8 8/12/2014 Surface Soil	SS-9 8/12/2014 Surface Soil	SS-10 8/12/2014 Surface Soil	SS-11 8/12/2014 Surface Soil	SS-12 8/12/2014 Surface Soil
Part 375 INDUSTRIAL SVOCs														
Units	SCO ¹													
Acenaphthene	mg/kg	1000	ND (1.1)	ND (0.59)	0.628	ND (1.1)	2.21	ND (0.54)	ND (0.55)	ND (0.56)	ND (0.58)	ND (0.13)	ND (0.52)	ND (2.6)
Anthracene	mg/kg	1000	ND (1.1)	ND (0.59)	1.37	ND (1.1)	1.11	ND (0.54)	ND (0.55)	ND (0.56)	ND (0.58)	ND (0.13)	0.992	ND (2.6)
Benzo(a)anthracene	mg/kg	11	1.93	1.67	3.58	ND (1.1)	1.28	0.881	1.51	ND (0.56)	0.741	0.474	3.08	ND (2.6)
Benzo(a)pyrene	mg/kg	1	1.96	1.77	3.87	ND (1.1)	1.17	0.868	1.69	ND (0.56)	0.879	0.529	2.92	ND (2.6)
Benzo(b)fluoranthene	mg/kg	11	2.69	2.71	4.96	ND (1.1)	2.13	1.25	2.17	ND (0.56)	0.737	0.48	2.63	ND (2.6)
Benzo(g,h,i)perylene	mg/kg	1000	1.7	2.06	3.36	ND (1.1)	ND (1.1)	0.973	1.69	ND (0.56)	0.682	0.391	1.78	ND (2.6)
Benzo(k)fluoranthene	mg/kg	110.0	1.26	1.02	2.19	ND (1.1)	ND (1.1)	0.755	1.15	ND (0.56)	0.695	0.311	2.29	ND (2.6)
Chrysene	mg/kg	110	1.85	1.64	3.75	ND (1.1)	1.72	0.98	1.49	ND (0.56)	0.793	0.432	3.07	ND (2.6)
Dibenzo(a,h)anthracene	mg/kg	1.10	ND (1.1)	ND (0.59)	1.12	ND (1.1)	ND (1.1)	ND (0.54)	ND (0.55)	ND (0.56)	ND (0.58)	0.131	0.626	ND (2.6)
Fluoranthene	mg/kg	1000	3.89	2.79	7.22	ND (1.1)	2.03	1.44	2.26	ND (0.56)	1.23	0.679	5.8	ND (2.6)
Fluorene	mg/kg	1000	ND (1.1)	ND (0.59)	ND (0.57)	ND (1.1)	2.78	ND (0.54)	ND (0.55)	ND (0.56)	ND (0.58)	ND (0.13)	ND (0.52)	ND (2.6)
Indeno(1,2,3-cd)pyrene	mg/kg	11.0	1.36	1.49	3.1	ND (1.1)	ND (1.1)	0.798	1.32	ND (0.56)	0.595	0.316	1.63	ND (2.6)
Naphthalene	mg/kg	1000	ND (1.1)	ND (0.59)	ND (0.57)	ND (1.1)	11.2	ND (0.54)	ND (0.55)	ND (0.56)	ND (0.58)	ND (0.13)	ND (0.52)	ND (2.6)
Phenanthrene	mg/kg	1000	2.14	1.42	4.85	ND (1.1)	9.79	0.967	1.04	ND (0.56)	0.662	0.428	2.42	ND (2.6)
Pyrene	mg/kg	1000	3.65	2.62	5.71	ND (1.1)	3.15	1.21	2.05	0.571	1.28	0.919	5.3	ND (2.6)
PCBs														
Aroclor 1242	mg/kg	25.0	ND (0.038)	ND (0.038)	ND (0.039)	ND (0.034)	ND (0.035)	ND (0.036)	ND (0.036)	ND (0.038)	ND (0.037)	ND (0.042)	13.8 a	ND (0.035)
Aroclor 1248	mg/kg	25.0	5.69	3.36 a	3.19 a	2.80 a	3.37 a	1.34 a	2.51 a	1.17 a	3.88 a	0.366 a	111	2.55 a
Aroclor 1254	mg/kg	25.0	5.30 a	8.33	5.54	5.1	4.66	4.18	5.93	1.24	4.69	0.532	ND (0.035)	3.25
Aroclor 1260	mg/kg	25.0	4.47 a	3.47 a	2.28 a	3.09 a	1.67 a	1.32 a	3.34 a	0.504 a	2.20 a	0.252 a	1.90 E a	1.96 a
Total PCBs	mg/kg	25.0	15.46	15.16	11.01	11.43	9.7	6.84	11.78	2.914	10.77	1.15	126.7	7.76
Metals														
Antimony	mg/kg	NA	<5.3 b	6.5 b	11.9 b	5.4 b	2.8 b	2.7 b	44.9 b	<2.2 b	4.6 b	<1.2	4.6 b	8.6 b
Arsenic	mg/kg	16	19.2 b	18.0 b	20.9 b	14.7 b	11.4 b	10.8 b	16.4 b	7.4 b	10.7 b	7.3	16.1 b	21.0 b
Beryllium	mg/kg	2700.0	0.81	0.51	<0.42	0.48	0.49	<0.40	0.53	<0.44	<0.40	0.55	0.42	0.53
Cadmium	mg/kg	60.0	14.4 b	16.3 b	14.0 b	10.8 b	8.1 b	5.6 b	13.6 b	5.8 b	11.5 b	2.2	11.5 b	10.6 b
Chromium	mg/kg	6,800	258 b	179 b	350 b	146 b	248 b	290 b	147 b	273 b	143 b	24.9	830 b	293 b
Copper	mg/kg	10000	615 b	633 b	1180 b	409 b	612 b	295 b	551 b	340 b	428 b	89.5	1240 b	571 b
Lead	mg/kg	3900	2210	2030	1480 b	1010 b	946 b	1140 b	6490	368 b	767 b	173	1130 b	1180 b
Mercury	mg/kg	5.70	6.1	6.3	7.1	3.5	6.3	1.7	42	1.6	3.8	1.6	6	6.6
Nickel	mg/kg	10000	231 b	196 b	482 b	129 b	110 b	180 b	293 b	126 b	150 b	34.5	239 b	179 b
Silver	mg/kg	6800	4.6 b	3.6 b	8.3 b	<0.95 b	17.1 b	<1.0 b	77.2 b	1.4 b	<1.0 b	1.4	<2.3 b	5.3 b
Zinc	mg/kg	10000	4650	3820	5690 c	1930	2060	1960	3770	1020 b	2670	406	2260	2210

NOTES:
***Only parameters detected in at least one sample are shown.
1. 6 NYCRR Part 375 Soil Cleanup Objectives - Restricted Industrial Use
NA = Guidance/standard value not available
a = Estimated value due to the presence of other Aroclor pattern.
b= Elevated RL due to dilution required for high interfering element.
BOLD values are those that exceed Part 375 Industrial Use SCO.

TABLE 2
SUBSURFACE SOIL ANALYTICAL RESULTS
PLUMLEY ENVIRONMENTAL ENGINEERS PHASE II ESA

700 Smith Boulevard
Port of Albany, NY

Client Sample ID: Date Sampled:			B-1(1'-2') 8/12/2014	B-1(5'-10') 8/12/2014	B-2(2'-5') 8/12/2014	B-3(0'-5') 8/12/2014	B-3(5'-10') 8/12/2014	B-4(0'-5') 8/12/2014	B-5(0'-5') 8/12/2014	B-5(5'-10') 8/12/2014	B-6(2'-4') 8/12/2014
Part 375 INDUSTRIAL VOCs											
Units	SCO ¹										
Acetone	mg/kg	1000	0.0535 B	NS	0.0234 B	NS	0.0397 B	0.0118 B	0.0250 B	0.0460 B	0.0254 B
Benzene	mg/kg	89	0.019	NS	ND (0.00066)	NS	ND (0.00045)	ND (0.00051)	ND (0.00078)	ND (0.00063)	0.00099
1,1-Dichloroethene	mg/kg	1000	ND (0.0024)	NS	ND (0.0026)	NS	ND (0.0018)	ND (0.0020)	ND (0.0031)	ND (0.0025)	ND (0.0019)
Methyl Tert Butyl Ether	mg/kg	1000	0.003	NS	ND (0.0026)	NS	ND (0.0018)	ND (0.0020)	ND (0.0031)	ND (0.0025)	ND (0.0019)
Methylene chloride	mg/kg	1000	ND (0.0024)	NS	ND (0.0026)	NS	0.0021	0.0033	ND (0.0031)	ND (0.0025)	ND (0.0019)
m,p-Xylene	mg/kg	1000	0.0026	NS	ND (0.0026)	NS	ND (0.0018)	ND (0.0020)	ND (0.0031)	ND (0.0025)	ND (0.0019)
Xylene (total)	mg/kg	1000	0.0048	NS	ND (0.0026)	NS	ND (0.0018)	ND (0.0020)	ND (0.0031)	ND (0.0025)	0.0023
SVOCs											
Acenaphthene	mg/kg	1000	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	NS	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.51)
Acenaphthylene	mg/kg	1000	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	NS	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.51)
Anthracene	mg/kg	1000	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	NS	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.51)
Benzo(a)anthracene	mg/kg	11	0.173	ND (0.12)	ND (0.12)	ND (0.11)	NS	0.171	ND (0.13)	ND (0.12)	ND (0.51)
Benzo(a)pyrene	mg/kg	1.1	0.196	ND (0.12)	ND (0.12)	ND (0.11)	NS	0.168	ND (0.13)	ND (0.12)	ND (0.51)
Benzo(b)fluoranthene	mg/kg	11	0.225	ND (0.12)	ND (0.12)	0.122	NS	0.269	ND (0.13)	ND (0.12)	ND (0.51)
Benzo(g,h,i)perylene	mg/kg	1000	0.222	ND (0.12)	ND (0.12)	ND (0.11)	NS	0.113	ND (0.13)	ND (0.12)	ND (0.51)
Benzo(k)fluoranthene	mg/kg	110.0	0.207	ND (0.12)	ND (0.12)	ND (0.11)	NS	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.51)
Chrysene	mg/kg	110	0.203	ND (0.12)	ND (0.12)	ND (0.11)	NS	0.171	ND (0.13)	ND (0.12)	ND (0.51)
Dibenzo(a,h)anthracene	mg/kg	1.10	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	NS	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.51)
Fluoranthene	mg/kg	1000	0.307	ND (0.12)	ND (0.12)	0.12	NS	0.287	ND (0.13)	ND (0.12)	ND (0.51)
Fluorene	mg/kg	1000	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	NS	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.51)
Indeno(1,2,3-cd)pyrene	mg/kg	11.0	0.173	ND (0.12)	ND (0.12)	ND (0.11)	NS	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.51)
Naphthalene	mg/kg	1000	ND (0.11)	ND (0.12)	ND (0.12)	ND (0.11)	NS	ND (0.11)	ND (0.13)	ND (0.12)	ND (0.51)
Phenanthrene	mg/kg	1000	0.197	ND (0.12)	ND (0.12)	ND (0.11)	NS	0.119	ND (0.13)	ND (0.12)	ND (0.51)
Pyrene	mg/kg	1000	0.299	ND (0.12)	ND (0.12)	0.126	NS	0.349	ND (0.13)	ND (0.12)	ND (0.51)
PCBs											
Aroclor 1248	mg/kg	25.0	ND (0.036)	ND (0.039)	ND (0.041)	0.542	NS	0.417	ND (0.040)	ND (0.041)	ND (0.035)
Aroclor 1254	mg/kg	25.0	5.58	ND (0.039)	4.1	0.403 a	NS	0.378 a	ND (0.040)	ND (0.041)	2.72 a
Aroclor 1260	mg/kg	25.0	2.56 a	ND (0.039)	1.01 a	0.133 a	NS	0.147 a	ND (0.040)	ND (0.041)	2.92
Total PCBs	mg/kg	25.0	8.14	0	5.11	1.078	NS	0.942	0	0	5.64
Metals											
Antimony	mg/kg	NA	4.9	NS	NS	<1.0	NS	1	<1.1	<1.0	NS
Arsenic	mg/kg	16	5.8	NS	NS	6.9	NS	5	8.8	4.2	NS
Beryllium	mg/kg	2700.0	<0.40	NS	NS	0.48	NS	0.39	0.62	0.55	NS
Cadmium	mg/kg	60.0	5.4	NS	NS	1.5	NS	0.71	<0.44	<0.42	NS
Chromium	mg/kg	6800	22.3	NS	NS	48.2	NS	21.2	15.8	12.1	NS
Copper	mg/kg	10000	207	NS	NS	84.4	NS	48.8	29.1	16.4	NS
Lead	mg/kg	3900	425	NS	NS	113	NS	223	39.2	9.5	NS
Mercury	mg/kg	5.70	0.82	NS	NS	0.87	NS	0.14	0.11	<0.035	NS
Nickel	mg/kg	10000	45.5	NS	NS	72.1	NS	27.3	24.5	20.6	NS
Silver	mg/kg	6800	<0.50	NS	NS	<0.52	NS	<0.47	<0.55	<0.52	NS
Zinc	mg/kg	10000	2080	NS	NS	405	NS	238	81.2	52	NS

NOTES:
***Only parameters detected in at least one sample are shown.
1. 6 NYCRR Part 375 Soil Cleanup Objectives - Restricted Industrial Use
NA = Guidance/standard value not available
a = Estimated value due to the presence of other Aroclor pattern.
b= Elevated RL due to dilution required for high interfering element.
BOLD values are those that exceed Part 375 Industrial Use SCO.
NS = Not Sampled.

TABLE 2
SUBSURFACE SOIL ANALYTICAL RESULTS
PLUMLEY ENVIRONMENTAL ENGINEERS PHASE II ESA

700 Smith Boulevard
Port of Albany, NY

Client Sample ID: Date Sampled:			B-7(5'-10') 8/12/2014	B-8(1'-3') 8/12/2014	B-9(0'-5') 8/12/2014	B-10(0'-5') 8/12/2014	B-10(5'-10') 8/12/2014	B-11(5'-10') 8/12/2014	S-1 (3.5') 8/12/2014	DB-1(0'-1') 8/12/2014
Part 375 INDUSTRIAL										
VOCs	Units	SCO ¹								
Acetone	mg/kg	1000	0.0597 B	ND (0.0097)	NS	NS	NS	ND (0.013)	ND (0.63)	ND (0.014)
Benzene	mg/kg	89	ND (0.00054)	0.0042	NS	NS	NS	ND (0.00063)	ND (0.031)	ND (0.00070)
1,1-Dichloroethene	mg/kg	1000	ND (0.0021)	ND (0.0019)	NS	NS	NS	ND (0.0025)	0.155	ND (0.0028)
Methyl Tert Butyl Ether	mg/kg	1000	ND (0.0021)	ND (0.0019)	NS	NS	NS	ND (0.0025)	ND (0.13)	ND (0.0028)
Methylene chloride	mg/kg	1000	ND (0.0021)	ND (0.0019)	NS	NS	NS	ND (0.0025)	ND (0.13)	0.0036
m,p-Xylene	mg/kg	1000	ND (0.0021)	ND (0.0019)	NS	NS	NS	ND (0.0025)	ND (0.13)	ND (0.0028)
Xylene (total)	mg/kg	1000	ND (0.0021)	ND (0.0019)	NS	NS	NS	ND (0.0025)	0.14	ND (0.0028)
SVOCs										
Acenaphthene	mg/kg	1000	ND (0.13)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.12)	ND (0.11)	0.293	ND (0.12)
Acenaphthylene	mg/kg	1000	ND (0.13)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.12)	ND (0.11)	0.126	ND (0.12)
Anthracene	mg/kg	1000	ND (0.13)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.12)	ND (0.11)	0.618	ND (0.12)
Benzo(a)anthracene	mg/kg	11	0.148	ND (0.10)	0.126	0.121	ND (0.12)	0.127	1.7	ND (0.12)
Benzo(a)pyrene	mg/kg	1.1	0.135	ND (0.10)	0.146	0.117	ND (0.12)	ND (0.11)	1.68	ND (0.12)
Benzo(b)fluoranthene	mg/kg	11	0.18	0.162	0.2	0.184	ND (0.12)	0.138	2.51	0.126
Benzo(g,h,i)perylene	mg/kg	1000	ND (0.13)	ND (0.10)	0.193	0.104	ND (0.12)	ND (0.11)	1.24	ND (0.12)
Benzo(k)fluoranthene	mg/kg	110.0	ND (0.13)	ND (0.10)	0.114	ND (0.10)	ND (0.12)	ND (0.11)	1.02	ND (0.12)
Chrysene	mg/kg	110	0.136	ND (0.10)	0.128	0.151	ND (0.12)	0.11	1.75	ND (0.12)
Dibenzo(a,h)anthracene	mg/kg	1.10	ND (0.13)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.12)	ND (0.11)	0.485	ND (0.12)
Fluoranthene	mg/kg	1000	0.199	ND (0.10)	0.219	0.189	ND (0.12)	0.226	3.68	0.12
Fluorene	mg/kg	1000	ND (0.13)	ND (0.10)	ND (0.10)	0.119	ND (0.12)	ND (0.11)	0.303	ND (0.12)
Indeno(1,2,3-cd)pyrene	mg/kg	11.0	ND (0.13)	ND (0.10)	0.151	ND (0.10)	ND (0.12)	ND (0.11)	1.18	ND (0.12)
Naphthalene	mg/kg	1000	ND (0.13)	ND (0.10)	ND (0.10)	0.263	ND (0.12)	ND (0.11)	0.185	ND (0.12)
Phenanthrene	mg/kg	1000	ND (0.13)	ND (0.10)	0.126	0.455	ND (0.12)	0.179	2.64	ND (0.12)
Pyrene	mg/kg	1000	0.271	0.165	0.212	0.243	ND (0.12)	0.219	3.01	0.122
PCBs										
Aroclor 1248	mg/kg	25.0	ND (0.042)	0.969 a	0.152 a	0.652 a	ND (0.041)	ND (0.037)	8.67	0.0993 a
Aroclor 1254	mg/kg	25.0	ND (0.042)	1.03	0.521	1.03	ND (0.041)	ND (0.037)	6.61 a	0.234
Aroclor 1260	mg/kg	25.0	ND (0.042)	0.302 a	0.437 a	0.235 a	ND (0.041)	ND (0.037)	2.33 a	0.136 a
Total PCBs	mg/kg	25.0	0	2.301	1.11	1.917	0	0	17.61	0.469
Metals										
Antimony	mg/kg	NA	<1.1	NS	0.98	<1.0	<1.1	<1.0	<5.3 b	<1.0
Arsenic	mg/kg	16	7.2	NS	5.5	5.3	6.2	2.7	19.6 b	7.7
Beryllium	mg/kg	2700.0	0.69	NS	<0.38	0.4	0.72	<0.41	0.46	0.54
Cadmium	mg/kg	60.0	<0.45	NS	1.8	2.3	<0.44	<0.41	16.1 b	0.78
Chromium	mg/kg	6800	18.8	NS	386	61.5	17.9	8.4	320 b	20.7
Copper	mg/kg	10000	33.8	NS	109	74.9	20.7	10.5	482 b	48.1
Lead	mg/kg	3900	38.4	NS	131	246	14.1	8	1520 b	84.2
Mercury	mg/kg	5.70	0.23	NS	0.33	0.52	0.079	<0.036	4.3	0.53
Nickel	mg/kg	10000	42.7	NS	64.1	32.3	27.2	16.4	335 b	28.6
Silver	mg/kg	6800	<0.57	NS	<0.47	<0.50	<0.55	<0.51	3.2 b	<0.52
Zinc	mg/kg	10000	93.3	NS	544	290	71.8	55.3	3920	178

NOTES:

***Only parameters detected in at least one sample are shown.

1. 6 NYCRR Part 375 Soil Cleanup Objectives - Restricted Industrial Use

NA = Guidance/standard value not available

a = Estimated value due to the presence of other Aroclor pattern.

b= Elevated RL due to dilution required for high interfering element.

BOLD values are those that exceed Part 375 Industrial Use SCO.

NS = Not Sampled.

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
PLUMLEY ENVIRONMENTAL ENGINEERS PHASE II ESA

700 Smith Boulevard
Port of Albany, NY

Sample Location Sample Date			B-1/TW 8/13/2014	B-2/TW 8/13/2014	B-4/TW 8/13/2014	B-5/TW 8/13/2014	B-6/TW 8/13/2014	B-7/TW 8/13/2014	B-8/TW 8/13/2014	B-9/TW 8/13/2014	B-10/TW 8/13/2014	B-11/TW 8/13/2014
TOGS 1.1.1 Guidance Value ¹												
VOCs												
cis-1,2-Dichloroethene	ug/L	5	1 U	1 U	1 U	1 U	1 U	1 U	15.3	1 U	1 U	2.1
Methyl Tert Butyl Ether	ug/L	10	52.5	1 U	1 U	1.1	1.5	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	ug/L	2	1 U	1 U	1 U	1 U	1 U	1 U	2.2	1 U	1 U	1 U

NOTES:

Only parameters exceeding TOGS 1.1.1 standards/guidance values are shown above. Refer to laboratory analytical reports for all analytical data

1. New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1, October 1993 "Ambient Water Quality Standards and Guidance Values"

NS = Not Sampled/Analyzed

U = The compound was not detected at the indicated concentration.

BOLD values are those that exceed TOGS 1.1.1 Standard or Guidance Value for Class GA Groundwater.

TABLE 4
SOIL SAMPLING SUMMARY
CHA SUPPLEMENTAL INVESTIGATION

700 Smith Boulevard
Port of Albany, NY

Boring ID	Boring Depth	Actual Sample Depth (bgs)	QA/QC Sample	Date Collected	Time Collected	Analyzed (Y/N)
GP-1	13 ft	0' to 1'		12/2/2014	9:30	Y
		2' to 3'		12/2/2014	9:36	Y
		4' to 5'		No Recovery		
GP-2	13 ft	0' to 1'		12/2/2014	9:53	Y
		2' to 3'		12/2/2014	9:55	Y
		4' to 5'		12/2/2014	10:20	N
		5' to 7'		12/2/2014	10:03	N
GP-3	5 ft	0' to 1'		12/2/2014	10:39	Y
		2' to 3'		12/2/2014	10:40	Y
		4' to 5'		12/2/2014	10:42	N
GP-4	5 ft	0' to 1'		12/2/2014	11:09	Y
		2'8" to 3'7"		12/2/2014	11:11	Y
		4' to 5'		No Recovery		
GP-5	5 ft	0' to 1'		12/2/2014	11:31	Y
		2' to 3'		12/2/2014	11:32	Y
		4' to 5'		No Recovery		
GP-6	5 ft	0' to 1'		12/2/2014	15:54	Y
		2' to 3'		12/2/2014	15:56	Y
		4' to 5'		12/2/2014	15:58	N
GP-7	5 ft	0' to 1'		12/2/2014	15:31	Y
		2' to 3'		12/2/2014	15:33	Y
		4' to 5'		12/2/2014	15:35	N
GP-8	7 ft	0' to 1'		12/2/2014	15:00	Y
		2' to 3'		12/2/2014	15:05	Y
		4' to 5'		12/2/2014	15:20	N
		5' to 7'	MS/MSD	12/2/2014	15:22	N
GP-9	5 ft	0' to 1'		12/2/2014	14:34	Y
		2' to 3'		12/2/2014	14:36	Y
		4' to 5'		12/2/2014	14:38	N
GP-10	12 ft	0' to 1'		12/2/2014	14:15	Y
		2' to 3'		12/2/2014	14:18	Y
		4' to 5'		12/2/2014	14:21	N
GP-11	12 ft	0' to 1'		12/2/2014	13:50	Y
		2' to 3'		12/2/2014	13:53	Y
		4' to 5'		12/2/2014	14:01	Y
GP-12	5 ft	0' to 1'		12/2/2014	13:32	Y
		2' to 3'		12/2/2014	13:34	Y
		4' to 5'		12/2/2014	13:37	Y
GP-13	7 ft	0' to 1'		12/2/2014	12:08	Y
		2' to 3'		12/2/2014	12:10	Y
		4' to 5'		12/2/2014	12:16	N
		5' to 7'	MS/MSD	12/2/2014	12:18	N
GP-14	5 ft	0' to 1'		12/2/2014	11:52	Y
		2' to 3'		12/2/2014	11:56	Y
		4' to 5'		12/2/2014	11:58	N
GP-15	7 ft	0' to 1'		12/3/2014	8:28	Y
		2' to 3'		12/3/2014	8:30	Y
		4' to 5'		12/3/2014	8:40	Y
		5' to 7'		12/3/2014	8:42	Y
GP-16	5 ft	0' to 1'		12/3/2014	8:48	Y
		2' to 3'		12/3/2014	8:51	Y
		4' to 5'		12/3/2014	8:59	Y
GP-17	5 ft	0' to 1'		12/3/2014	9:15	Y
		2' to 3'		No Recovery		
		4' to 5'		12/3/2014	9:20	Y
GP-18	5 ft	0' to 1'		12/3/2014	9:42	Y
		2' to 3'		12/3/2014	9:44	Y
		4' to 5'		12/3/2014	9:52	Y
GP-19	7 ft	0' to 1'	MS/MSD	12/3/2014	10:09	Y
		2' to 3'		No Recovery		
		4' to 5'		12/3/2014	10:13	Y
		5' to 6'		12/3/2014	10:29	Y
GP-20	5 ft	0' to 1'		12/3/2014	10:52	Y
		2' to 3'		12/3/2014	10:54	Y
		4' to 5'		12/3/2014	10:56	Y
GP-21	5 ft	0' to 1'		12/3/2014	11:02	Y
		2' to 3'		12/3/2014	11:05	Y
		4' to 5'		12/3/2014	11:08	N

TABLE 4
SOIL SAMPLING SUMMARY
CHA SUPPLEMENTAL INVESTIGATION

700 Smith Boulevard
Port of Albany, NY

Boring ID	Boring Depth	Actual Sample Depth (bgs)	QA/QC Sample	Date Collected	Time Collected	Analyzed (Y/N)
GP-22	7 ft	0' to 1'		12/3/2014	11:24	Y
		2' to 3'		12/3/2014	11:26	Y
		4' to 5'		12/3/2014	11:30	N
		5' to 7'		12/3/2014	11:35	N
GP-23	5 ft	0' to 1'		12/3/2014	15:41	Y
		2' to 3'		12/3/2014	15:43	Y
		4' to 5'		12/3/2014	15:48	N
GP-24	5 ft	0' to 1'		12/3/2014	15:21	Y
		2' to 3'		12/3/2014	15:25	Y
		4' to 5'		12/3/2014	15:30	Y
GP-25	7 ft	0' to 1'		12/3/2014	14:51	Y
		2' to 3'		12/3/2014	14:53	Y
		4' to 5'		12/3/2014	14:58	Y
		5' to 7'		No Recovery		
GP-26	5 ft	0' to 1'		12/3/2014	14:32	Y
		2' to 3'		12/3/2014	14:34	Y
		4' to 5'		12/3/2014	14:36	N
GP-27	5 ft	0' to 1'		12/3/2014	14:05	Y
		2' to 3'		12/3/2014	14:10	Y
		4' to 5'		12/3/2014	14:15	Y
GP-28	7 ft	0' to 1'	MS/MSD	12/3/2014	13:51	Y
		2' to 3'		No Recovery		
		4' to 5'		12/3/2014	13:55	Y
		5' to 7'		12/3/2014	13:58	Y
GP-29	5 ft	0' to 1'		12/3/2014	13:23	Y
		2' to 3'		12/3/2014	13:33	Y
		4' to 5'		12/3/2014	13:31	Y
GP-30	5 ft	0' to 1'		12/3/2014	13:10	Y
		2' to 3'		12/3/2014	13:12	Y
		4' to 5'		12/3/2014	13:15	N
GP-31	5 ft	0' to 1'		12/3/2014	12:08	Y
		2' to 3'		12/3/2014	12:10	Y
		4' to 5'		12/3/2014	12:12	Y
GP-32	7 ft	0' to 1'		12/4/2014	13:50	Y
		2' to 3'		12/4/2014	13:52	Y
		4' to 5'		12/4/2014	13:57	Y
		5' to 7'		12/4/2014	13:59	Y
GP-33/ GP-33A	5 ft	0' to 1'	MS/MSD	12/4/2014	13:15	Y
		2' to 3'		12/4/2014	13:32	Y
		4' to 5'		12/4/2014	13:34	Y
GP-34	5 ft	0' to 1'		12/4/2014	12:00	Y
		2' to 3'		12/4/2014	12:02	Y
		4' to 5'		12/4/2014	12:04	N
GP-35	5 ft	0' to 1'		12/4/2014	11:32	Y
		2' to 3'		No Recovery		
		4' to 5'		12/4/2014	11:36	Y
GP-36	7 ft	0' to 1'		12/4/2014	11:05	Y
		2' to 3'		12/4/2014	11:07	Y
		4' to 5'		12/4/2014	11:09	N
		5' to 7'		12/4/2014	11:11	N
GP-37	5 ft	0' to 1'		12/4/2014	10:26	Y
		2' to 3'		12/4/2014	10:28	Y
		4' to 5'		12/4/2014	10:30	N
GP-38	5 ft	0' to 1'	MS/MSD	12/4/2014	10:04	Y
		2' to 3'		12/4/2014	10:06	Y
		4' to 5'		12/4/2014	10:08	Y
GP-39	5 ft	0' to 1'		12/4/2014	9:40	Y
		2' to 3'		12/4/2014	9:42	Y
		4' to 5'		12/4/2014	9:45	N
GP-40	7 ft	0' to 1'		12/4/2014	8:55	Y
		2' to 3'		No Recovery		
		4' to 5'		12/4/2014	9:01	Y
		5' to 7'		12/4/2014	9:03	Y
GP-41	12 ft	0' to 1'		12/4/2014	14:18	Y
		2' to 3'		12/4/2014	14:20	Y
		4' to 5'		12/4/2014	14:28	N

TABLE 4
SOIL SAMPLING SUMMARY
CHA SUPPLEMENTAL INVESTIGATION

700 Smith Boulevard
Port of Albany, NY

Boring ID	Boring Depth	Actual Sample Depth (bgs)	QA/QC Sample	Date Collected	Time Collected	Analyzed (Y/N)
GP-42	12 ft	0' to 1'		12/4/2014	14:37	Y
		2' to 3'		12/4/2014	14:40	Y
		4' to 5'		12/4/2014	14:48	Y
		5' to 7'		12/4/2014	14:50	Y
GP-43	5 ft	0' to 1'		12/4/2014	15:20	Y
		2' to 3'		12/4/2014	15:22	Y
		4' to 5'		12/4/2014	15:25	Y
GP-44	5 ft	0' to 1'		12/4/2014	15:34	Y
		2' to 3'		12/4/2014	15:37	Y
		4' to 5'		12/4/2014	15:40	N
GP-45	5 ft	0' to 1'		12/4/2014	15:55	Y
		2' to 3'		12/4/2014	15:57	Y
		4' to 5'		12/4/2014	15:59	Y
GP-46	12 ft	0' to 1'		12/4/2014	8:35	Y
		2' to 3'		12/4/2014	8:37	Y
		4' to 5'		12/4/2014	8:39	N
GP-47	5 ft	0' to 1'		12/5/2014	8:15	Y
		2' to 3'		12/5/2014	8:17	Y
		4' to 5'		12/5/2014	8:19	Y
GP-48	5 ft	0' to 1'		12/4/2014	16:13	Y
		2' to 3'	MS/MSD	12/4/2014	16:17	Y
		4' to 5'		12/4/2014	16:21	N
GP-49	5 ft	0' to 1'		12/2/2014	9:03	Y
		2' to 3'		12/2/2014	9:04	Y
		4' to 5'		12/2/2014	9:05	N
GP-50	5 ft	0' to 1'	MS/MSD	12/5/2014	9:06	Y
		2' to 3'		12/5/2014	9:08	Y
		4' to 5'		12/5/2014	9:10	Y
GP-51	5 ft	0' to 1'		12/5/2014	9:25	Y
		2' to 3'		12/5/2014	9:27	Y
		4' to 5'		12/5/2014	9:29	Y
GP-52	5 ft	0' to 1'		12/5/2014	10:37	Y
		2' to 3'		12/5/2014	10:39	Y
		4' to 5'		12/5/2014	10:41	Y
GP-53	5 ft	0' to 1'		12/5/2014	10:53	Y
		2' to 3'		12/5/2014	10:55	Y
		4' to 5'		12/5/2014	10:57	Y
GP-54	5 ft	0' to 1'		12/5/2014	9:40	Y
		2' to 3'		12/5/2014	9:42	Y
		4' to 5'		12/5/2014	9:44	N
GP-55	5 ft	0' to 1'		12/5/2014	9:57	Y
		2' to 3'		12/5/2014	9:59	Y
		4' to 5'		12/5/2014	10:01	N
GP-56	5 ft	0' to 1'	MS/MSD	12/5/2014	11:27	Y
		2' to 3'		12/5/2014	11:29	Y
		4' to 5'		12/5/2014	11:31	N
GP-57	5 ft	0' to 1'		12/5/2014	11:08	Y
		2' to 3'		12/5/2014	11:10	Y
		4' to 5'		12/5/2014	11:12	Y
GP-58	5 ft	0' to 1'		12/5/2014	10:18	Y
		2' to 3'		12/5/2014	10:20	Y
		4' to 5'		12/5/2014	10:22	N
GP-59	5 ft	0' to 1'		12/5/2014	12:08	Y
		2' to 3'		12/5/2014	12:12	Y
		4' to 5'		12/5/2014	12:14	Y
GP-60	5 ft	0' to 1'		12/5/2014	11:02	Y
		2' to 3'		12/5/2014	11:55	Y
		4' to 5'		No Recovery		
GP-61	5 ft	0' to 1'		12/5/2014	12:24	Y
		2' to 3'		12/5/2014	12:26	Y
		4' to 5'		12/5/2014	12:28	Y

NOTES:
QA/QC = Quality Assurance/Quality Control
MS/MSD = Matrix Spike/Matrix Spike Duplicate
ft or ' = feet

TABLE 5
GROUNDWATER ELEVATION DATA
CHA SUPPLEMENTAL INVESTIGATION

700 Smith Boulevard
Port of Albany, NY

Monitoring Well ID	Ground Surface Elevation* (ft.)	Riser Elevation* (ft.)	Depth to Water December 1, 2014 (ft below TOR)	Depth to Water December 1, 2014 (ft below ground surface)	Groundwater Elevation* (12/1/2014)	Depth to Water January 30, 2015 (ft below TOR)	Depth to Water January 30, 2015 (ft below ground surface)	Groundwater Elevation* (1/30/2015)
B-1/TW	99.35	102.24	15.72	12.83	86.52	15.12	12.23	87.12
B-2/TW	99.28	102.36	15.86	12.78	86.50	15.10	12.02	87.26
B-3/TW	100.36	103.55	15.12	11.93	88.43	15.85	12.66	87.70
B-4/TW	100.20	102.27	15.97	13.90	86.30	15.70	13.63	86.57
B-5/TW	96.90	98.76	12.13	10.27	86.63	11.65	9.79	87.11
B-6/TW	100.20	103.67	9.53	6.06	94.14	10.25	6.78	93.42
B-7/TW	100.00	102.33	12.25	9.92	90.08	15.68	13.35	86.65
B-8/TW	99.33	101.33	13.62	11.62	87.71	13.67	11.67	87.66
B-9/TW	99.39	102.51	15.83	12.71	86.68	15.15	12.03	87.36
B-10/TW	98.95	102.11	15.11	11.95	87.00	14.58	11.42	87.53
B-11/TW	99.85	101.65	11.72	9.92	89.93	8.58	6.78	93.07

Notes:

NM = Not Measured

* Elevations based on an assumed elevation of 100 feet for the top of the manhole cover adjacent to well B-11/TW.

TOR = Top of Riser

TABLE 6
SOIL ANALYTICAL RESULTS
CHA SUPPLEMENTAL INVESTIGATION

700 Smith Boulevard
Port of Albany, NY

Location	GP-1		GP-2		GP-3		GP-4		GP-5	
Sample ID	GP-1 (0-1')	GP-1 (2-3')	GP-2 (0-1')	GP-2 (2'-3')	GP-3 (0-1')	GP-3 (2-3')	GP-4 (0-1')	GP-4 (2'8"-3'7")	GP-5 (0-1')	GP-5 (2-3')
Sample Date	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014
Start Depth	0	2	0	2	0	2	0	2.66	0	2
End Depth	1	3	1	3	1	3	1	3.58	1	3
Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft

Part 375

INDUSTRIAL SCO¹

PCBs- Method 8082A

Units

Aroclor 1016	12674-11-2	25	mg/kg	0.23 U	0.27 U	0.41 U	0.21 U	0.57 U	0.21 U	0.22 U	0.27 U	0.23 U	0.22 U
Aroclor 1221	11104-28-2	25	mg/kg	0.23 U	0.27 U	0.41 U	0.21 U	0.57 U	0.21 U	0.22 U	0.27 U	0.23 U	0.22 U
Aroclor 1232	11141-16-5	25	mg/kg	0.23 U	0.27 U	0.41 U	0.21 U	0.57 U	0.21 U	0.22 U	0.27 U	0.23 U	0.22 U
Aroclor 1242	53469-21-9	25	mg/kg	0.23 U	0.27 U	0.41 U	0.21 U	0.57 U	0.21 U	0.22 U	0.27 U	0.23 U	0.22 U
Aroclor 1248	12672-29-6	25	mg/kg	3.5	0.27 U	8.7	0.21 U	9.7	0.21 U	1.2	0.27 U	2.9	0.22 U
Aroclor 1254	11097-69-1	25	mg/kg	2.8	0.27 U	6.5	0.21 U	6.2	0.21 U	1.1	0.27 U	2.4	0.22 U
Aroclor 1260	11096-82-5	25	mg/kg	1.6	0.27 U	3	0.21 U	4.3	0.21 U	0.78	0.27 U	0.93	0.22 U
Total PCBs	N/A	25	mg/kg	7.9	0.27 U	18.2	0.21 U	20.2	0.21 U	3.08	0.27 U	6.23	0.22 U

Metals- Method 6010C

Antimony	7440-36-0	NS	mg/kg	3.9 J	0.49 J	10.2 J	16.2 U	22.9	15.2 U	1.9 J	20.4 U	12.5 J	16.1 U
Arsenic	7440-38-2	16	mg/kg	8.4	6.6	14.1	2.5	17.1	3.9	5.4	8.6	8.1	4.7
Beryllium	7440-41-7	2700	mg/kg	0.61	0.58	0.44	0.37	0.48	0.39	0.38	0.54	0.39	0.42
Cadmium	7440-43-9	60	mg/kg	5	0.091 J	12.5	0.22 U	16.6	0.037 J	4.2	0.16 J	15.1	0.21 U
Chromium	7440-47-3	6,800	mg/kg	45	22.6	266	12.1	674	12.1	35.7	17.3	220	13.7
Copper	7440-50-8	10000	mg/kg	294	27	735	11.7	559	12	116	32.2	154	12.6
Lead	7439-92-1	3900	mg/kg	456	14.4	1560	8	1860	9.9	376	22.4	792	9.9
Nickel	7440-02-0	10000	mg/kg	57.7	26.6	205	14.9	200	17.2	36.1	26.7	49.8	16.4
Selenium	7782-49-2	6800	mg/kg	0.63 J	4.5 U	1.8 J	4.3 U	1.6 J	4.1 U	4.4 U	1 J	1 J	4.3 U
Silver	7440-22-4	6800	mg/kg	0.36 J	0.68 U	2.9 J	0.65 U	7.1	0.61 U	0.65 U	0.82 U	0.39 J	0.64 U
Thallium	7440-28-0	NS	mg/kg	6.9 U	6.8 U	6.9 U	6.5 U	7.5 U	6.1 U	6.5 U	8.2 U	6.6 U	6.4 U
Zinc	7440-66-6	10000	mg/kg	879 B	59.8 B	2810 B	39.2 B	5190 B	47.5 B	500 B	64.2 B	658 B	44.9 B
Mercury	7439-97-6	5.7	mg/kg	1.6	0.032	3.7	0.0085 J	5.4	0.025	1.3	0.092	1.7	0.015 J

Notes:

NS - No Standard

BOLD values exceed the Part 375 Industrial SCO

H - Sample was prepped or analyzed beyond the specified holding time

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

B - Compound was found in the blank and sample.

U - Sample analyzed for but not detected at the specified concentration

TABLE 6
SOIL ANALYTICAL RESULTS
CHA SUPPLEMENTAL INVESTIGATION

700 Smith Boulevard
Port of Albany, NY

Location	GP-6		GP-7		GP-8		GP-9		GP-10	
Sample ID	GP-6 (0-1')	GP-6 (2-3')	GP-7 (0-1')	GP-7 (2-3')	GP-8 (0-1')	GP-8 (2-3')	GP-9 (0-1')	GP-9 (2-3')	GP-10 (0-1')	GP-10 (2-3')
Sample Date	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014
Start Depth	0	2	0	2	0	2	0	2	0	2
End Depth	1	3	1	3	1	3	1	3	1	3
Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft

Part 375

INDUSTRIAL SCO¹

PCBs- Method 8082A

Units

Aroclor 1016	12674-11-2	25	mg/kg	0.23 U	0.25 U	0.21 U	0.24 U	0.24 U	0.21 U	0.52 U	0.24 U	0.44 U	0.28 U
Aroclor 1221	11104-28-2	25	mg/kg	0.23 U	0.25 U	0.21 U	0.24 U	0.24 U	0.21 U	0.52 U	0.24 U	0.44 U	0.28 U
Aroclor 1232	11141-16-5	25	mg/kg	0.23 U	0.25 U	0.21 U	0.24 U	0.24 U	0.21 U	0.52 U	0.24 U	0.44 U	0.28 U
Aroclor 1242	53469-21-9	25	mg/kg	0.23 U	0.25 U	0.21 U	0.24 U	0.24 U	0.21 U	0.52 U	0.24 U	0.44 U	0.28 U
Aroclor 1248	12672-29-6	25	mg/kg	7.3	0.25 U	6.7	0.24 U	8.7	0.21 U	9.8	0.24 U	9.1	0.28 U
Aroclor 1254	11097-69-1	25	mg/kg	4.2	0.25 U	5.1	0.24 U	5	0.21 U	7.4	0.24 U	6.4	0.28 U
Aroclor 1260	11096-82-5	25	mg/kg	2	0.25 U	2.7	0.24 U	3.3	0.21 U	4	0.24 U	2.8	0.28 U
Total PCBs	N/A	25	mg/kg	13.5	0.25 U	14.5	0.24 U	17	0.21 U	21.2	0.24 U	18.3	0.28 U

Metals- Method 6010C

Antimony	7440-36-0	NS	mg/kg	5 J	0.72 J	24.8	0.42 J	7 J	0.43 J	9.4 J	15.1 U	6 J	19.7 U
Arsenic	7440-38-2	16	mg/kg	9.9	5.7	11.7	2.7	15.3	3.4	15.1	2.4	11.6	5.1
Beryllium	7440-41-7	2700	mg/kg	0.43	0.44	0.99	0.49	0.49	0.41	0.5	0.37	0.56	0.43
Cadmium	7440-43-9	60	mg/kg	5.7	0.2 J	7	0.052 J	13	0.032 J	10.7	0.2 U	15.7	0.15 J
Chromium	7440-47-3	6,800	mg/kg	134	13.1	166	14.7	165	12.3	153	10.4	99.1	13.2
Copper	7440-50-8	10000	mg/kg	206	18.9	366	14	485	14.9	452	13.5	427	32.2
Lead	7439-92-1	3900	mg/kg	629	12.3	1730	8.4	1740	8.2	1100	10	1090	46.6
Nickel	7440-02-0	10000	mg/kg	69.6	16.3	189	17	127	16.5	129	17	98.9	18.6
Selenium	7782-49-2	6800	mg/kg	0.82 J	0.43 J	3.9 U	4 U	0.71 J	0.56 J	1.5 J	4 U	1.2 J	5.3 U
Silver	7440-22-4	6800	mg/kg	2.8	0.63 U	1.8	0.61 U	7.1	0.64 U	7.5	0.61 U	1.7	0.79 U
Thallium	7440-28-0	NS	mg/kg	6 U	6.3 U	5.9 U	6.1 U	6.2 U	6.4 U	7.2 U	6.1 U	6.8 U	7.9 U
Zinc	7440-66-6	10000	mg/kg	1030 B	45.7 B	1210 B	44.9 B	2370 B	42.9 B	2060 B	47.4 B	5100 B	107 B
Mercury	7439-97-6	5.7	mg/kg	2.2	0.018 J	4.5	0.01 J	2.1	0.02 U	2.1	0.013 J	3.1	0.044

Notes:

- NS - No Standard
- BOLD** values exceed the Part 375 Industrial SCO
- H - Sample was prepped or analyzed beyond the specified holding time
- J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
- B - Compound was found in the blank and sample.
- U - Sample analyzed for but not detected at the specified concentration

TABLE 6
SOIL ANALYTICAL RESULTS
CHA SUPPLEMENTAL INVESTIGATION

700 Smith Boulevard
Port of Albany, NY

Location	GP-11			GP-12			GP-13		GP-14	
Sample ID	GP-11 (0-1')	GP-11 (2-3')	GP-11 (4-5')	GP-12 (0-1')	GP-12 (2-3')	GP-12 (4-5')	GP-13 (0-1')	GP-13 (2-3')	GP-14 (0-1')	GP-14 (2-3')
Sample Date	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014	12/2/2014
Start Depth	0	2	4	0	2	4	0	2	0	2
End Depth	1	3	5	1	3	5	1	3	1	3
Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft

Part 375
INDUSTRIAL SCO¹

PCBs- Method 8082A

Units

Aroclor 1016	12674-11-2	25	mg/kg	0.53 U	0.24 U	0.25 U	0.44 U	0.23 U	0.28 U	0.51 U	0.24 U	0.22 U	0.23 U
Aroclor 1221	11104-28-2	25	mg/kg	0.53 U	0.24 U	0.25 U	0.44 U	0.23 U	0.28 U	0.51 U	0.24 U	0.22 U	0.23 U
Aroclor 1232	11141-16-5	25	mg/kg	0.53 U	0.24 U	0.25 U	0.44 U	0.23 U	0.28 U	0.51 U	0.24 U	0.22 U	0.23 U
Aroclor 1242	53469-21-9	25	mg/kg	0.53 U	0.24 U	0.25 U	0.44 U	2.4	0.28 U	0.51 U	0.24 U	0.22 U	0.23 U
Aroclor 1248	12672-29-6	25	mg/kg	8.4	0.2 J	1.2	7.2	0.23 U	0.28 U	10	0.24 U	3.5	0.23 U
Aroclor 1254	11097-69-1	25	mg/kg	6.3	0.16 J	1.1	4.6	0.84	0.28 U	6.2	0.24 U	2.8	0.23 U
Aroclor 1260	11096-82-5	25	mg/kg	2.9	0.24 U	0.6	2.2	0.47	0.28 U	2.1	0.24 U	0.93	0.23 U
Total PCBs	N/A	25	mg/kg	17.6	0.36	2.9	14	3.71	0.28 U	18.3	0.24 U	7.23	0.23 U

Metals- Method 6010C

Antimony	7440-36-0	NS	mg/kg	11.4 J	1.8 J	1.7 J	16 J	3.8 J	2.1 J	44.4	1.4 J	4.6 J	1.2 J
Arsenic	7440-38-2	16	mg/kg	11.1	7.2	3	9.7	4.9	8.3	8.3	3.3	9.4	2.9
Beryllium	7440-41-7	2700	mg/kg	0.47	0.51	0.34	0.34	0.34	0.6	0.52	0.37	0.48	0.32
Cadmium	7440-43-9	60	mg/kg	11 B	0.76 B	0.74	9.5 B	3 B	0.54	9 B	0.54 B	4.6 B	0.34 B
Chromium	7440-47-3	6,800	mg/kg	105	14.5	16.3	93.8	21.5	15.7	53	8.2	28.2	7.8
Copper	7440-50-8	10000	mg/kg	569	26.6	35.4	3350	506	34.6	235	12.6	94	11.6
Lead	7439-92-1	3900	mg/kg	766	21.3	62.6	1520	258	31.1	604	17.7	313	8.6
Nickel	7440-02-0	10000	mg/kg	120	21.6	25.4	102	26.9	28.5	85	14.2	47.7	13.2
Selenium	7782-49-2	6800	mg/kg	0.45 J	4.4 U	4.1 U	4.6 U	4 U	5 U	4.3 U	4.5 U	0.5 J	4.4 U
Silver	7440-22-4	6800	mg/kg	2	0.66 U	0.62 U	2	0.22 J	0.75 U	1.3	0.67 U	0.67 U	0.67 U
Thallium	7440-28-0	NS	mg/kg	6.6 U	6.6 U	6.2 U	6.9 U	6 U	7.5 U	6.5 U	6.7 U	6.7 U	6.7 U
Zinc	7440-66-6	10000	mg/kg	1770 B	71.2 B	142 B	1470 B	308 B	85.8 B	1150 B	49.8 B	455 B^	51.8 B^
Mercury	7439-97-6	5.7	mg/kg	4.6	0.077	0.097 H	2.6	0.3	0.14 H	2.9	0.049	0.72	0.021 U

Notes:
NS - No Standard
BOLD values exceed the Part 375 Industrial SCO
H - Sample was prepped or analyzed beyond the specified holding time
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B - Compound was found in the blank and sample.
U - Sample analyzed for but not detected at the specified concentration

TABLE 6
SOIL ANALYTICAL RESULTS
CHA SUPPLEMENTAL INVESTIGATION

700 Smith Boulevard
Port of Albany, NY

Location	GP-15				GP-16			GP-17		GP-18		
Sample ID	GP-15 (0-1')	GP-15 (2-3')	GP-15 (4-5')	GP-15 (5-7')	GP-16 (0-1')	GP-16 (2-3')	GP-16 (4-5')	GP-17 (0-1')	GP-17 (4-5')	GP-18 (0-1')	GP-18 (2-3')	GP-18 (4-5')
Sample Date	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014
Start Depth	0	2	4	5	0	2	4	0	4	0	2	4
End Depth	1	3	5	7	1	3	5	1	5	1	3	5
Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft

Part 375

INDUSTRIAL SCO¹

PCBs- Method 8082A

Units

Aroclor 1016	12674-11-2	25	mg/kg	0.21 U	2.1 U	1.4 U	0.26 U	0.27 U	0.21 U	0.25 U	0.27 U	0.25 U	0.19 U	0.27 U	0.23 U
Aroclor 1221	11104-28-2	25	mg/kg	0.21 U	2.1 U	1.4 U	0.26 U	0.27 U	0.21 U	0.25 U	0.27 U	4.8	0.19 U	0.27 U	0.23 U
Aroclor 1232	11141-16-5	25	mg/kg	0.21 U	2.1 U	1.4 U	0.26 U	0.27 U	0.21 U	0.25 U	0.27 U	0.25 U	0.19 U	0.27 U	0.23 U
Aroclor 1242	53469-21-9	25	mg/kg	0.21 U	2.1 U	1.4 U	0.26 U	0.27 U	0.21 U	0.25 U	0.27 U	0.25 U	0.19 U	0.27 U	0.23 U
Aroclor 1248	12672-29-6	25	mg/kg	3.2	11	2.9	0.26 U	3.3	0.11 J	0.25 U	3.2	0.25 U	2.5	1.5	0.23 U
Aroclor 1254	11097-69-1	25	mg/kg	3.8	14	3.2	0.26 U	3.3	0.32	0.25 U	3.7	0.25 U	3.3	2.4	0.23 U
Aroclor 1260	11096-82-5	25	mg/kg	2.4	8	3.7	0.26 U	2.1	0.27	0.25 U	2.5	0.25 U	2	2	0.23 U
Total PCBs	N/A	25	mg/kg	9.4	33	9.8	0.26 U	8.7	0.7	0.25 U	9.4	4.8	7.8	5.9	0.23 U

Metals- Method 6010C

Antimony	7440-36-0	NS	mg/kg	9.4 J	6.3 J	5.7 J	1.2 J	6.7 J	16.6 U	1.1 J	5 J	0.75 J	8.8 J	2.8 J	1.6 J
Arsenic	7440-38-2	16	mg/kg	18.2 B	22.9 B	11.8	7.5	12.1 B	4 B	7.2	8.8	3.8	9.4	7.8	3.5
Beryllium	7440-41-7	2700	mg/kg	0.6	1.3	0.59	0.54	0.57	0.56	0.4	0.41	0.31	0.48	0.71	0.37
Cadmium	7440-43-9	60	mg/kg	12.2	18.9	6.2	0.16 J	11.6	0.28	0.16 J	6.8	0.055 J	7.6	3.2	0.12 J
Chromium	7440-47-3	6,800	mg/kg	244	122	60.9	15.5	106	16.5	13.1	136	8.9	104	38.9	77.6
Copper	7440-50-8	10000	mg/kg	7120	4650	220	30	377	23.6	27.9	316	10.9	328	119	21.4
Lead	7439-92-1	3900	mg/kg	1350 B	2590 B	618	13.4	1470 B	37.6 B	13.1	646	10.4	737	1020	19.2
Nickel	7440-02-0	10000	mg/kg	320	240	92	29.1	109	24.7	23.7	70.2	12.9	78	37.5	18.9
Selenium	7782-49-2	6800	mg/kg	4.5 U	1.5 J	4.4 U	4.5 U	4.1 U	4.4 U	4.8 U	1.2 J	4.2 U	0.98 J	0.97 J	4.3 U
Silver	7440-22-4	6800	mg/kg	52.5	0.73 U	2.7	0.67 U	19.6	0.66 U	0.71 U	1.4	0.63 U	2.9	0.74 U	0.64 U
Thallium	7440-28-0	NS	mg/kg	6.8 U	7.3 U	6.6 U	6.7 U	6.1 U	6.6 U	7.1 U	6.4 U	6.3 U	7.1 U	7.4 U	6.4 U
Zinc	7440-66-6	10000	mg/kg	2730 B	1540 B	917 B	53.3 B	2220 B	103 B	49.7 B	999 B	39.7 B	1470 B	682 B	58.7 B
Mercury	7439-97-6	5.7	mg/kg	3.6	2.6	0.91 H	0.027 H	2.3	0.1	0.026 H	1.5	0.035 H	1.4	0.71	0.066 H

Notes:

- NS - No Standard
- BOLD values exceed the Part 375 Industrial SCO
- H - Sample was prepped or analyzed beyond the specified holding time
- J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
- B - Compound was found in the blank and sample.
- U - Sample analyzed for but not detected at the specified concentration

TABLE 6
SOIL ANALYTICAL RESULTS
CHA SUPPLEMENTAL INVESTIGATION

700 Smith Boulevard
Port of Albany, NY

Location	GP-19			GP-20			GP-21		GP-22	
Sample ID	GP-19 (0-1')	GP-19 (4-5')	GP-19 (5-6')	GP-20 (0-1')	GP-20 (2-3')	GP-20 (4-5')	GP-21 (0-1')	GP-21 (2-3')	GP-22 (0-1')	GP-22 (2-3')
Sample Date	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014
Start Depth	0	4	5	0	2	4	0	2	0	2
End Depth	1	5	6	1	3	5	1	3	1	3
Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft

Part 375
INDUSTRIAL SCO¹

PCBs- Method 8082A

Units

Aroclor 1016	12674-11-2	25	mg/kg	1.1 U	0.25 U	0.23 U	0.24 U	0.27 U	0.23 U	0.93 U	0.24 U	0.25 U	0.19 U
Aroclor 1221	11104-28-2	25	mg/kg	1.1 U	0.25 U	0.23 U	0.24 U	0.27 U	0.23 U	0.93 U	0.24 U	0.25 U	0.19 U
Aroclor 1232	11141-16-5	25	mg/kg	1.1 U	0.25 U	0.23 U	0.24 U	0.27 U	0.23 U	0.93 U	0.24 U	0.25 U	0.19 U
Aroclor 1242	53469-21-9	25	mg/kg	1.1 U	0.25 U	0.23 U	0.24 U	0.27 U	0.23 U	0.93 U	0.24 U	0.25 U	0.19 U
Aroclor 1248	12672-29-6	25	mg/kg	5.5	1.2	0.23 U	2.7	0.19 J	0.78	3.7	0.24 U	1.2	0.19 U
Aroclor 1254	11097-69-1	25	mg/kg	10	1.3	0.23 U	3.3	0.51	0.99	4.8	0.24 U	5.3	0.19 U
Aroclor 1260	11096-82-5	25	mg/kg	7	1.1	0.23 U	2.4	0.45	0.75	2.7	0.24 U	3.9	0.19 U
Total PCBs	N/A	25	mg/kg	22.5	3.6	0.23 U	8.4	1.15	2.52	11.2	0.24 U	10.4	0.19 U

Metals- Method 6010C

Antimony	7440-36-0	NS	mg/kg	8.6 J	2.6 J	1 J	4.5 J	0.67 J	1.7 J	9.2 J	16 U	3.9 J	15.2 U
Arsenic	7440-38-2	16	mg/kg	10.6	5.2	5.6	8.3	3.5	3.9	10.7	2 J	6.3	3.3
Beryllium	7440-41-7	2700	mg/kg	0.48	0.36	0.51	0.4	0.38	0.35	0.42	0.29	0.26	0.42
Cadmium	7440-43-9	60	mg/kg	8.6	2.2	0.13 J	6.6	0.62	0.78	7	0.29	2.9	0.2 U
Chromium	7440-47-3	6,800	mg/kg	73.3	33.9	14.9	67.7	14	35.6	115	11.2	22.2	11.3
Copper	7440-50-8	10000	mg/kg	353	101	23.8	197	31.6	48.9	370	10.8	420	11.9
Lead	7439-92-1	3900	mg/kg	1090	197	19.2	651	95.8	158	810	14.3	262	9.1
Nickel	7440-02-0	10000	mg/kg	87.3	36.9	22.8	60	13.8	24.4	109	14.5	40.5	16.4
Selenium	7782-49-2	6800	mg/kg	1.1 J	4.3 U	4.3 U	1.1 J	0.52 J	4.2 U	0.93 J	4.3 U	4.5 U	4 U
Silver	7440-22-4	6800	mg/kg	0.91	0.83	0.64 U	2.6	0.67 U	0.63 U	2.3 J	0.64 U	0.67 U	0.61 U
Thallium	7440-28-0	NS	mg/kg	6.4 U	6.4 U	6.4 U	6.5 U	6.7 U	6.3 U	6.2 U	6.4 U	6.7 U	6.1 U
Zinc	7440-66-6	10000	mg/kg	1780 B	404 B	60.1 B	1090 B	146 B	205 B	1450 B	53 B	547 B	44.1 B
Mercury	7439-97-6	5.7	mg/kg	2.6	0.61 H	0.066 H	1.5	0.28	0.4 H	0.35	2.3	0.71	0.012 J

Notes:
NS - No Standard
BOLD values exceed the Part 375 Industrial SCO
H - Sample was prepped or analyzed beyond the specified holding time
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B - Compound was found in the blank and sample.
U - Sample analyzed for but not detected at the specified concentration

TABLE 6
SOIL ANALYTICAL RESULTS
CHA SUPPLEMENTAL INVESTIGATION

700 Smith Boulevard
Port of Albany, NY

Location	GP-23		GP-24			GP-25			GP-26	
Sample ID	GP-23 (0-1')	GP-23 (2-3')	GP-24 (0-1')	GP-24 (2-3')	GP-24 (4-5')	GP-25 (0-1')	GP-25 (2-3')	GP-25 (4-5')	GP-26 (0-1')	GP-26 (2-3')
Sample Date	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014
Start Depth	0	2	0	2	4	0	2	4	0	2
End Depth	1	3	1	3	5	1	3	5	1	3
Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft

Part 375

INDUSTRIAL SCO¹

PCBs- Method 8082A

Units

Aroclor 1016	12674-11-2	25	mg/kg	1.6 U	0.22 U	1.2 U	0.26 U	0.23 U	0.26 U	2.2	0.3 U	1.4 U	0.23 U
Aroclor 1221	11104-28-2	25	mg/kg	1.6 U	0.22 U	1.2 U	0.26 U	0.23 U	0.26 U	0.23 U	0.3 U	1.4 U	0.23 U
Aroclor 1232	11141-16-5	25	mg/kg	1.6 U	0.22 U	1.2 U	0.26 U	0.23 U	0.26 U	0.23 U	0.3 U	1.4 U	0.23 U
Aroclor 1242	53469-21-9	25	mg/kg	1.6 U	0.22 U	1.2 U	0.26 U	0.23 U	0.26 U	0.23 U	0.3 U	1.4 U	0.23 U
Aroclor 1248	12672-29-6	25	mg/kg	10	0.22 U	8.6	4.1	0.23 U	2.6	5.3	0.069 J	13	0.23 U
Aroclor 1254	11097-69-1	25	mg/kg	7.1	0.22 U	4.9	4.6	0.23 U	1.9	4.2	0.3 U	8.8	0.23 U
Aroclor 1260	11096-82-5	25	mg/kg	4.4	0.22 U	3.9	2.1	0.23 U	1.2	2.3	0.3 U	4	0.23 U
Total PCBs	N/A	25	mg/kg	21.5	0.22 U	17.4	10.8	0.23 U	5.7	11.8	0.069 J	25.8	0.23 U

Metals- Method 6010C

Antimony	7440-36-0	NS	mg/kg	17.4 J	15.8 U	14.2 J	7.1 J	1.1 J	4.1 J	4.2 J	1.5 J	9.8 J	16.1 U
Arsenic	7440-38-2	16	mg/kg	21.5	4.4	13.6	15.3	7.1	12.6	12.2	6.8	12.9	2.7
Beryllium	7440-41-7	2700	mg/kg	0.6	0.47	0.48	0.72	0.37	0.6	1	0.59	0.77	0.38
Cadmium	7440-43-9	60	mg/kg	16.9	0.53	13.8	5.8	0.14 J	4.5	9.1	0.61	10.6	0.43
Chromium	7440-47-3	6,800	mg/kg	209	11.5	197	1820	12.9	78	42.1	21.4	113	9.5
Copper	7440-50-8	10000	mg/kg	614	17.8	566	371	29.3	213	424	49.8	400	14.3
Lead	7439-92-1	3900	mg/kg	1470	40.7	1130	1470	12.9	460	628	64	1360	26.1
Nickel	7440-02-0	10000	mg/kg	179	18.8	152	1250	25.7	68.3	129	30.6	137	15.9
Selenium	7782-49-2	6800	mg/kg	1.1 J	0.64 J	4.7 U	4.5 U	4.6 U	4.7 U	0.75 J	4.7 U	5 U	0.47 J
Silver	7440-22-4	6800	mg/kg	3.7	0.63 U	4.8	0.37 J	0.7 U	1.7	0.62 U	0.25 J	3.8	0.65 U
Thallium	7440-28-0	NS	mg/kg	39.3 U	6.3 U	35.5 U	6.7 U	7 U	7 U	6.2 U	7.1 U	7.4 U	6.5 U
Zinc	7440-66-6	10000	mg/kg	3980 B	64.3 B	2530 B	716 B	46.3 B	920 B	1800 B	170 B	3890 B	46.7 B
Mercury	7439-97-6	5.7	mg/kg	6.2	0.025	3.6	1.7	0.034 H	0.86	1.3	0.11 H	5.3	0.034

TABLE 6
SOIL ANALYTICAL RESULTS
CHA SUPPLEMENTAL INVESTIGATION

700 Smith Boulevard
Port of Albany, NY

Location	GP-27			GP-28			GP-29			GP-30	
Sample ID	GP-27 (0-1')	GP-27 (2-3')	GP-27 (4-5')	GP-28 (0-1')	GP-28 (4-5')	GP-28 (5-7')	GP-29 (0-1')	GP-29 (2-3')	GP-29 (4-5')	GP-30 (0-1')	GP-30 (2-3')
Sample Date	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014
Start Depth	0	2	4	0	4	5	0	2	4	0	2
End Depth	1	3	5	1	5	7	1	3	5	1	3
Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft

Part 375

INDUSTRIAL SCO¹

PCBs- Method 8082A

Units

Aroclor 1016	12674-11-2	25	mg/kg	0.23 U	0.25 U	0.2 U	U	0.27 U	0.22 U	0.26 U	1.2 U	0.23 U	0.27 U	1.3 U	0.23 U
Aroclor 1221	11104-28-2	25	mg/kg	0.23 U	0.25 U	0.2 U	U	0.27 U	0.22 U	0.26 U	1.2 U	0.23 U	0.27 U	1.3 U	0.23 U
Aroclor 1232	11141-16-5	25	mg/kg	0.23 U	0.25 U	0.2 U	U	0.27 U	0.22 U	0.26 U	1.2 U	0.23 U	0.27 U	1.3 U	0.23 U
Aroclor 1242	53469-21-9	25	mg/kg	0.23 U	0.25 U	0.2 U	U	0.27 U	0.22 U	0.26 U	1.2 U	0.23 U	0.27 U	1.3 U	0.23 U
Aroclor 1248	12672-29-6	25	mg/kg	2.8	2.2	0.2 U		7.9	0.24	0.26 U	5.4	0.23 U	0.27 U	8.5	0.23 U
Aroclor 1254	11097-69-1	25	mg/kg	2.4	2.4	0.2		6.5	0.3	0.26 U	6.2	6.8	0.27 U	4.9	0.23 U
Aroclor 1260	11096-82-5	25	mg/kg	2.8	2.3	0.2		3.6	0.18 J	0.26 U	4.1	3.8	0.27 U	2.6	0.23 U
Total PCBs	N/A	25	mg/kg	8	6.9	0.4		18	0.72 J	0.26 U	15.7	10.6	0.27 U	16	0.23 U

Metals- Method 6010C

Antimony	7440-36-0	NS	mg/kg	2.7 J	2.7 J	2 J		16.8 J	1.2 J	1.1 J	22.2	11.6 J	1.1 J	10.1 J	14.7 U
Arsenic	7440-38-2	16	mg/kg	7	7.4	6.5		16.4	3.4	6.9	14.7	13.8	7.6	16.6	2.4
Beryllium	7440-41-7	2700	mg/kg	0.43	0.65	0.31		0.53	0.33	0.55	0.37	0.38	0.48	0.56	0.33
Cadmium	7440-43-9	60	mg/kg	3.4	2.8	0.25		12.1	0.32	0.26	14	15.1	0.27	7.6	0.2 U
Chromium	7440-47-3	6,800	mg/kg	106	35.3	16.5		141	21	15.2	149	38.5	16.1	111	9.4
Copper	7440-50-8	10000	mg/kg	193	110	51.5		811	27.6	31.2	880	361	30.7	1950	11.3
Lead	7439-92-1	3900	mg/kg	370	312	265		1220	46.4	27.8	1310	3770	35.2	744	7.7
Nickel	7440-02-0	10000	mg/kg	62.6	34.2	21.8		147	17.9	23.5	147	50.3	24.9	90.8	13.4
Selenium	7782-49-2	6800	mg/kg	3.9 U	4.6 U	4.1 U		1.2 J	4.1 U	4.8 U	1.5 J	1.5 J	4.7 U	1.2 J	3.9 U
Silver	7440-22-4	6800	mg/kg	1.2	0.69 U	0.23 J		1.2	0.61 U	0.72 U	1.5 J	0.64 U	0.7 U	2.5	0.59 U
Thallium	7440-28-0	NS	mg/kg	5.9 U	6.9 U	6.1 U		36.3 U	6.1 U	7.2 U	6.4 U	6.4 U	7 U	6.4 U	5.9 U
Zinc	7440-66-6	10000	mg/kg	600 B	666 B	84.2 B		3310 B	88.8 B	71.5 B	3750 B	2970 B	84.3 B	2410 B	36 B
Mercury	7439-97-6	5.7	mg/kg	0.83	0.76	0.89 H		6.5	0.19 H	0.18 H	4.8	5	0.2 H	2.9	0.015 J

Notes:

NS - No Standard

BOLD values exceed the Part 375 Industrial SCO

H - Sample was prepped or analyzed beyond the specified holding time

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

B - Compound was found in the blank and sample.

U - Sample analyzed for but not detected at the specified concentration

TABLE 6
SOIL ANALYTICAL RESULTS
CHA SUPPLEMENTAL INVESTIGATION

700 Smith Boulevard
Port of Albany, NY

Location	GP-31			GP-32				GP-33		
Sample ID	GP-31 (0-1')	GP-31 (2-3')	GP-31 (4-5')	GP-32 (0-1)	GP-32 (2-3)	GP-32 (4-5)	GP-32 (5-7)	GP-33 (0-1)	GP-33A (2-3)	GP-33A (4-5)
Sample Date	12/3/2014	12/3/2014	12/3/2014	12/4/2014	12/4/2014	12/4/2014	12/4/2014	12/4/2014	12/4/2014	12/4/2014
Start Depth	0	2	4	0	2	4	5	0	2	4
End Depth	1	3	5	1	3	5	7	1	3	5
Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft

Part 375
INDUSTRIAL SCO¹

PCBs- Method 8082A

Units

Aroclor 1016	12674-11-2	25	mg/kg	0.19 U	1.2 U	1.4 U	1.4 U	14 U	1.4 U	0.29 U	0.48 U	1.4 U	2.6 U
Aroclor 1221	11104-28-2	25	mg/kg	0.19 U	1.2 U	1.4 U	1.4 U	14 U	1.4 U	0.29 U	0.48 U	1.4 U	2.6 U
Aroclor 1232	11141-16-5	25	mg/kg	0.19 U	1.2 U	1.4 U	1.4 U	14 U	1.4 U	0.29 U	0.48 U	1.4 U	2.6 U
Aroclor 1242	53469-21-9	25	mg/kg	0.19 U	1.2 U	1.4 U	1.4 U	14 U	4.1	0.29 U	0.48 U	1.4 U	10
Aroclor 1248	12672-29-6	25	mg/kg	0.19 U	1.2 U	1.4 U	1.4 U	35	1.4 U	0.29 U	4.6	5.8	2.6 U
Aroclor 1254	11097-69-1	25	mg/kg	1.8	14	12	11	42	6.5	0.29 U	3.8	6.4	7.6
Aroclor 1260	11096-82-5	25	mg/kg	1.4	10	7	6	20	2.9	0.29 U	1.8	3.1	2.9
Total PCBs	N/A	25	mg/kg	3.2	24	19	17	97	13.5	0.29 U	10.2	15.3	20.5

Metals- Method 6010C

Antimony	7440-36-0	NS	mg/kg	2 J	17.7 J	25.7	8.2 J	11.4 J	1.7 J	1.1 J	9.5 J	6.1 J	5 J
Arsenic	7440-38-2	16	mg/kg	8.8	31.4	29.8	15.9	22.5	7.3	4.4	15.6	10.1	10.7
Beryllium	7440-41-7	2700	mg/kg	0.73	0.37	0.25	0.77	0.72	0.58	0.56	0.43	0.5	0.58
Cadmium	7440-43-9	60	mg/kg	4.1	21.9	14.2	14.2	17.4	1.1	0.22 J	12.7	6.2	5
Chromium	7440-47-3	6,800	mg/kg	49.7	291	240	73.2	101	21.1	13.9	220	44.3	32.3
Copper	7440-50-8	10000	mg/kg	136	930	794	507 B	2120 B	47.8	18.6	573 B	214 B	143
Lead	7439-92-1	3900	mg/kg	448	4050	3880	2230	2210	160	20.5	1610	642	650
Nickel	7440-02-0	10000	mg/kg	53.3	207	212	119	172	34.6	22.2	169	47.2	43.1
Selenium	7782-49-2	6800	mg/kg	0.55 J	2.9 J	1.4 J	0.62 J	0.99 J	4.5 U	5.2 U	4.6 U	0.47 J	0.65 J
Silver	7440-22-4	6800	mg/kg	0.6 U	1.2 J	14	0.59 J	0.54 J	0.67 U	0.78 U	3.2 J	0.71 U	0.46 J
Thallium	7440-28-0	NS	mg/kg	6 U	7.3 U	7.2 U	7 U	6.8 U	6.7 U	7.8 U	6.8 U	7.1 U	7.5 U
Zinc	7440-66-6	10000	mg/kg	622 B	4250	3320 B	2010 B	3060 B	311 B	63.2 B	4920 B	916 B	931 B
Mercury	7439-97-6	5.7	mg/kg	1.1	10.4	1.7 H	3.7	4.6	0.24 H	0.15 H	3.2	2.4	1.7 H

Notes:
NS - No Standard
BOLD values exceed the Part 375 Industrial SCO
H - Sample was prepped or analyzed beyond the specified holding time
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B - Compound was found in the blank and sample.
U - Sample analyzed for but not detected at the specified concentration

TABLE 6
SOIL ANALYTICAL RESULTS
CHA SUPPLEMENTAL INVESTIGATION

700 Smith Boulevard
Port of Albany, NY

Location	GP-34		GP-35		GP-36		GP-37		GP-38		
Sample ID	GP-34 (0-1)	GP-34 (2-3)	GP-35 (0-1)	GP-35 (4-5)	GP-36 (0-1)	GP-36 (2-3)	GP-37 (0-1)	GP-37 (2-3)	GP-38 (0-1)	GP-38 (2-3)	GP-38 (4-5)
Sample Date	12/4/2014	12/4/2014	12/4/2014	12/4/2014	12/4/2014	12/4/2014	12/4/2014	12/4/2014	12/4/2014	12/4/2014	12/4/2014
Start Depth	0	2	0	4	0	2	0	2	0	2	4
End Depth	1	3	1	5	1	3	1	3	1	3	5
Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft

Part 375
INDUSTRIAL SCO¹

PCBs- Method 8082A

Units

Aroclor 1016	12674-11-2	25	mg/kg	0.45 U	0.3 U	1 U	0.5 U	0.24 U	0.21 U	1.3 U	0.2 U	4.7 U	0.19 U	0.25 U
Aroclor 1221	11104-28-2	25	mg/kg	0.45 U	0.3 U	1 U	0.5 U	0.24 U	0.21 U	1.3 U	0.2 U	4.7 U	0.19 U	0.25 U
Aroclor 1232	11141-16-5	25	mg/kg	0.45 U	0.3 U	1 U	0.5 U	0.24 U	0.21 U	1.3 U	0.2 U	4.7 U	0.19 U	0.25 U
Aroclor 1242	53469-21-9	25	mg/kg	0.45 U	0.3 U	1 U	3.7	0.24 U	0.21 U	1.3 U	0.2 U	4.7 U	0.19 U	0.25 U
Aroclor 1248	12672-29-6	25	mg/kg	5	0.3 U	5.7	0.5 U	0.24 U	0.21 U	1.3 U	0.2 U	4.7 U	0.19 U	0.25 U
Aroclor 1254	11097-69-1	25	mg/kg	4	0.3 U	3.1	2.5	1.5	0.21 U	5.3	0.2 U	16	0.15 J	0.74
Aroclor 1260	11096-82-5	25	mg/kg	2	0.3 U	0.79 J	1.9	1.9	0.21 U	4.3	0.2 U	8	0.12 J	0.25 U
Total PCBs	N/A	25	mg/kg	11	0.3 U	9.59	8.1	3.4	0.21 U	9.6	0.2 U	24	0.27	0.74

Metals- Method 6010C

Antimony	7440-36-0	NS	mg/kg	11.9 J	0.96 J	5.7 J	2.1 J	4.4 J	0.61 J	80.8	0.56 J	21.5	1.3 J	1.1 J
Arsenic	7440-38-2	16	mg/kg	18.9	5.8	11.8	4	7.7	4.8	17.8	3.6	14.5	65.2	3.6
Beryllium	7440-41-7	2700	mg/kg	0.38	0.48	0.36	0.39	0.42	0.34	0.65	0.41	0.49	0.45	0.3
Cadmium	7440-43-9	60	mg/kg	9.8	0.6	7.1	1.5	3.7	0.1 J	4.7	0.036 J	10.3	0.43	0.21 J
Chromium	7440-47-3	6,800	mg/kg	351	16.2	177	21.8	65.3	28.4	63.2	11.6	127	19.9	15.2
Copper	7440-50-8	10000	mg/kg	811 B	48.3 B	465 B	55.9	195	24.5 B	246	15.2	590	26.4	17.6
Lead	7439-92-1	3900	mg/kg	2300	113	840	101	386	39.9	4400	10.1	4800	213	44
Nickel	7440-02-0	10000	mg/kg	228	28.5	123	28.7	50.8	17.4	77.6	17.8	102	19.3	16.7
Selenium	7782-49-2	6800	mg/kg	4.8 U	5.5 U	4.4 U	0.52 J	3.9 U	4.5 U	4.2 U	4.3 U	0.8 J	0.69 J	4.4 U
Silver	7440-22-4	6800	mg/kg	3.4 J	0.82 U	5.6	0.69 J	0.49 J	0.67 U	22.6	0.65 U	3.3 U	0.69 U	0.66 U
Thallium	7440-28-0	NS	mg/kg	7.3 U	8.2 U	6.6 U	7 U	5.8 U	6.7 U	6.3 U	6.5 U	6.6 U	6.9 U	6.6 U
Zinc	7440-66-6	10000	mg/kg	6500 B	224 B	2800 B	531 B	649 ^B	101 B	2950 B	49.1 ^B	3060 B	134 ^B	64.8 B
Mercury	7439-97-6	5.7	mg/kg	2	0.29	1.1	0.7 H	0.62	0.36	25.5	0.03	4.8	0.084	0.13 H

Notes:
NS - No Standard
BOLD values exceed the Part 375 Industrial SCO
H - Sample was prepped or analyzed beyond the specified holding time
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B - Compound was found in the blank and sample.
U - Sample analyzed for but not detected at the specified concentration

TABLE 6
SOIL ANALYTICAL RESULTS
CHA SUPPLEMENTAL INVESTIGATION

700 Smith Boulevard
Port of Albany, NY

Location	GP-39		GP-40			GP-41		GP-42			
Sample ID	GP-39 (7-18)	GP-39 (2-3)	GP-40 (0-1)	GP-40 (4-5)	GP-40 (5-7)	GP-41 (0-1)	GP-41 (2-3)	GP-42 (0-1)	GP-42 (2-3)	GP-42 (4-5)	GP-42 (5-7)
Sample Date	12/4/2014	12/4/2014	12/4/2014	12/4/2014	12/4/2014	12/4/2014	12/4/2014	12/4/2014	12/4/2014	12/4/2014	12/4/2014
Start Depth	7	2	0	4	5	0	2	0	2	4	5
End Depth	18	3	1	5	7	1	3	1	3	5	7
Depth Unit	in	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft

Part 375

INDUSTRIAL SCO¹

PCBs- Method 8082A

Units

Aroclor 1016	12674-11-2	25	mg/kg	1.1 U	0.21 U	1.1 U	0.25 U	0.2 U	0.49 U	0.2 U	0.23 U	0.21 U	0.25 U	0.25 U
Aroclor 1221	11104-28-2	25	mg/kg	1.1 U	0.21 U	1.1 U	0.25 U	0.2 U	0.49 U	0.2 U	0.23 U	0.21 U	0.25 U	0.25 U
Aroclor 1232	11141-16-5	25	mg/kg	1.1 U	0.21 U	1.1 U	0.25 U	0.2 U	0.49 U	0.2 U	0.23 U	0.21 U	0.25 U	0.25 U
Aroclor 1242	53469-21-9	25	mg/kg	1.1 U	0.21 U	1.1 U	0.25 U	0.2 U	0.49 U	0.2 U	0.23 U	0.21 U	0.16 J	0.25 U
Aroclor 1248	12672-29-6	25	mg/kg	10	0.21 U	1.1 U	0.25 U	0.2 U	5.5	0.2 U	2.5	0.48	0.25 U	0.25 U
Aroclor 1254	11097-69-1	25	mg/kg	6.5	0.21 U	3.4	0.25 U	0.2 U	4.9	0.2 U	2.2	0.4	0.25 U	0.25 U
Aroclor 1260	11096-82-5	25	mg/kg	8.5	0.21 U	3	0.25 U	0.2 U	2.2	0.2 U	1.4	0.24	0.25 U	0.25 U
Total PCBs	N/A	25	mg/kg	25	0.21 U	6.4	0.25 U	0.2 U	12.6	0.2 U	6.1	1.12	0.16 J	0.25 U

Metals- Method 6010C

Antimony	7440-36-0	NS	mg/kg	10.5 J	0.45 J	12.2 J	1.2 J	0.6 J	9.8 J	17.6 U	4 J	0.92 J	1.2 J	1.4 J
Arsenic	7440-38-2	16	mg/kg	10.1	7	19.1	4.3	2.5	20.4	2.4	7.5	3.8	7.8	7.6
Beryllium	7440-41-7	2700	mg/kg	0.35	0.47	0.78	0.32	0.27	0.4	0.35	0.49	0.58	0.38	0.55
Cadmium	7440-43-9	60	mg/kg	2.8	0.2 U	9.5	0.25	0.061 J	15.9	0.24 U	3.1	1.1	0.35	0.19 J
Chromium	7440-47-3	6,800	mg/kg	35.6	12.4	113	11.9	7.3	264	9.3	48.5	28.6	15.1	15.4
Copper	7440-50-8	10000	mg/kg	244	23.6	513	16.8	7.7	711 B	20.4 B	592 B	57.8 B	32.1	29.2
Lead	7439-92-1	3900	mg/kg	707	7.6	1320	17.4	5.8	1410	6.2	378	101	29.4	14.8
Nickel	7440-02-0	10000	mg/kg	37.9	19.4	102	15.3	11.4	164	14.8	55.2	29.1	25	28.3
Selenium	7782-49-2	6800	mg/kg	4.5 U	4 U	5.1 U	4.1 U	4 U	4.7 U	4.7 U	4.3 U	4.3 U	5.1 U	5.4 U
Silver	7440-22-4	6800	mg/kg	0.67 U	0.6 U	4.1	0.61 U	0.59 U	46.7	0.71 U	1.2	0.64 U	0.76 U	0.81 U
Thallium	7440-28-0	NS	mg/kg	6.7 U	6 U	7.6 U	6.1 U	5.9 U	7 U	7.1 U	6.5 U	6.4 U	7.6 U	8.1 U
Zinc	7440-66-6	10000	mg/kg	1490 ^B	67.7 ^B	1740 ^B	62.1 B	34.2 B	4970 B	42.4 B	949 B	311 B	92.2 B	56.3 B
Mercury	7439-97-6	5.7	mg/kg	1.4	0.011 J	5.2	0.039 H	0.02 UH	3.3	0.023 U	0.91	0.15	0.068 H	0.035 H

Notes:
NS - No Standard
BOLD values exceed the Part 375 Industrial SCO
H - Sample was prepped or analyzed beyond the specified holding time
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B - Compound was found in the blank and sample.
U - Sample analyzed for but not detected at the specified concentration

TABLE 6
SOIL ANALYTICAL RESULTS
CHA SUPPLEMENTAL INVESTIGATION

700 Smith Boulevard
Port of Albany, NY

Location	GP-43			GP-44		GP-45			GP-46	
Sample ID	GP-43 (0-1)	GP-43 (2-3)	GP-43 (4-5)	GP-44 (0-1)	GP-44 (2-3)	GP-45 (0-1)	GP-45 (2-3)	GP-45 (4-5)	GP-46 (0-1')	GP-46 (2-3')
Sample Date	12/4/2014	12/4/2014	12/4/2014	12/4/2014	12/4/2014	12/4/2014	12/4/2014	12/4/2014	12/5/2014	12/5/2014
Start Depth	0	2	4	0	2	0	2	4	0	2
End Depth	1	3	5	1	3	1	3	5	1	3
Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft

Part 375

INDUSTRIAL SCO¹

PCBs- Method 8082A

Units

Aroclor 1016	12674-11-2	25	mg/kg	0.22 U	0.23 U	0.23 U	0.63 U	0.26 U	5.6 U	0.21 U	0.22 U	1.2 U	0.23 U
Aroclor 1221	11104-28-2	25	mg/kg	0.22 U	0.23 U	0.23 U	0.63 U	0.26 U	5.6 U	0.21 U	0.22 U	1.2 U	0.23 U
Aroclor 1232	11141-16-5	25	mg/kg	0.22 U	0.23 U	0.23 U	0.63 U	0.26 U	5.6 U	0.21 U	0.22 U	1.2 U	0.23 U
Aroclor 1242	53469-21-9	25	mg/kg	0.22 U	0.23 U	0.91	0.63 U	0.26 U	5.6 U	0.21 U	0.22 U	1.2 U	0.23 U
Aroclor 1248	12672-29-6	25	mg/kg	4.6	0.23 U	0.23 U	8.1	0.26 U	25	0.21 U	0.22 U	10	0.23 U
Aroclor 1254	11097-69-1	25	mg/kg	4.8	0.23 U	1.5	10	0.26 U	62	0.21 U	0.98	16	0.23 U
Aroclor 1260	11096-82-5	25	mg/kg	2.8	2.5	1.1	4.9	0.26 U	140	0.56	2.6	4.3	0.23 U
Total PCBs	N/A	25	mg/kg	12.2	2.5	3.51	23	0.26 U	227	0.56	3.58	30.3	0.23 U

Metals- Method 6010C

Antimony	7440-36-0	NS	mg/kg	8 J	1 J	1.3 J	8.8 J	0.57 J	13.3 J	0.6 J	1.2 J	23 J	1.3 J
Arsenic	7440-38-2	16	mg/kg	15.5	3.5	3.5	12.7	6.1	16.9	2.9	3.3	14.1	2.8
Beryllium	7440-41-7	2700	mg/kg	0.55	0.38	0.25	0.71	0.57	0.77	0.42	0.34	0.6	0.38
Cadmium	7440-43-9	60	mg/kg	7.4	5.1	4.8	10.1	0.96	14	0.078 J	0.26	19.6	0.23
Chromium	7440-47-3	6,800	mg/kg	68.5	9.8	13.5	82	17	127	13	12.8	179	9.2
Copper	7440-50-8	10000	mg/kg	459 B	712 B	100	573 B	30.8 B	792 B	21.3 B	19.9	616	12.6
Lead	7439-92-1	3900	mg/kg	967	105	88.2	1700	17.9	2220	14.2	40	2220	18.3
Nickel	7440-02-0	10000	mg/kg	93.2	38.4	21.3	103	29	121	20.1	17.8	158	18.4
Selenium	7782-49-2	6800	mg/kg	0.44 J	4.4 U	4.3 U	5.4 U	4.6 U	0.71 J	3.9 U	4.3 U	1.3 J	4.6 U
Silver	7440-22-4	6800	mg/kg	0.5 J	0.66 U	0.64 U	2.2	0.69 U	1.4	0.59 U	0.64 U	3.1	0.69 U
Thallium	7440-28-0	NS	mg/kg	6.5 U	6.6 U	6.4 U	8.2 U	6.9 U	7.7 U	5.9 U	6.4 U	34.5 U	6.9 U
Zinc	7440-66-6	10000	mg/kg	3650 B	1060 B	360 B	2220 B	103 B	3490 B	70.9 B	84.9 B	3590 B	102 B
Mercury	7439-97-6	5.7	mg/kg	2.9	0.086	0.27 H	4.2	0.054	5.8	0.024	0.11 H	6.3	0.011 J

Notes:

NS - No Standard

BOLD values exceed the Part 375 Industrial SCO

H - Sample was prepped or analyzed beyond the specified holding time

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

B - Compound was found in the blank and sample.

U - Sample analyzed for but not detected at the specified concentration

TABLE 6
SOIL ANALYTICAL RESULTS
CHA SUPPLEMENTAL INVESTIGATION

700 Smith Boulevard
Port of Albany, NY

Location	GP-47			GP-48		GP-49		GP-50		
Sample ID	GP-47 (0-1')	GP-47 (2-3')	GP-47 (4-5')	GP-48 (0-1)	GP-48 (2-3)	GP-49 (0-1')	GP-49 (2-3')	GP-50 (0-1')	GP-50 (2-3')	GP-50 (4-5')
Sample Date	12/5/2014	12/5/2014	12/5/2014	12/4/2014	12/4/2014	12/2/2014	12/2/2014	12/5/2014	12/5/2014	12/5/2014
Start Depth	0	2	4	0	2	0	2	0	2	4
End Depth	1	3	5	1	3	1	3	1	3	5
Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft

Part 375
INDUSTRIAL SCO¹

PCBs- Method 8082A

Units

Aroclor 1016	12674-11-2	25	mg/kg	0.4 U	0.26 U	0.26 U	0.27 U	0.22 U	0.27 U	0.23 U	0.54 U	1.1 U	0.27 U
Aroclor 1221	11104-28-2	25	mg/kg	0.4 U	0.26 U	0.26 U	0.27 U	0.22 U	0.27 U	0.23 U	0.54 U	1.1 U	0.27 U
Aroclor 1232	11141-16-5	25	mg/kg	0.4 U	0.26 U	0.26 U	0.27 U	0.22 U	0.27 U	0.23 U	0.54 U	1.1 U	0.27 U
Aroclor 1242	53469-21-9	25	mg/kg	0.4 U	0.26 U	0.26 U	0.27 U	0.22 U	0.27 U	0.23 U	0.54 U	1.1 U	0.27 U
Aroclor 1248	12672-29-6	25	mg/kg	4.7	1.6	0.26 U	2.6	0.22 U	0.93	0.23 U	6	1.9	0.27 U
Aroclor 1254	11097-69-1	25	mg/kg	6.5	2.2	0.26 U	2.5	0.22 U	0.76	0.23 U	7.2	1.7	0.27 U
Aroclor 1260	11096-82-5	25	mg/kg	2.7	0.8	0.26 U	1.3	0.22 U	0.52	0.23 U	2.6	1.3	0.27 U
Total PCBs	N/A	25	mg/kg	13.9	4.6	0.26 U	6.4	0.22 U	2.21	0.23 U	15.8	4.9	0.27 U

Metals- Method 6010C

Antimony	7440-36-0	NS	mg/kg	11.4 J	22.5	1.1 J	5.3 J	0.55 J	1.1 J	18.5 U	12.1 J	5 J	1.4 J
Arsenic	7440-38-2	16	mg/kg	15.7	8.2	7.7	8.4	3.6	8.5	10.4	13.8	5.5	8.6
Beryllium	7440-41-7	2700	mg/kg	0.61	0.61	0.46	0.5	0.43	0.62	0.69	0.47	0.32	0.61
Cadmium	7440-43-9	60	mg/kg	9.6	2.6	0.19 J	3.4	0.054 J	2.9	0.29	55	4.5	0.71
Chromium	7440-47-3	6,800	mg/kg	129	20.9	14.1	75.7	11	29.7	16.9	164	27.2	18.3
Copper	7440-50-8	10000	mg/kg	535	85.9	29.1	220	23.1	121	30.4	603	252	64.9
Lead	7439-92-1	3900	mg/kg	1320	4530	14.6	579	10.8	360	41.4	2820	258	48.7
Nickel	7440-02-0	10000	mg/kg	161	40.4	27.4	97.7	17.4	42.6	26.2	253	57.6	29.3
Selenium	7782-49-2	6800	mg/kg	1.7 J	4.6 U	4.7 U	4.6 U	4.8 U	5 U	4.9 U	1.2 J	4.2 U	5.4 U
Silver	7440-22-4	6800	mg/kg	2.1	0.69 U	0.7 U	0.7	0.72 U	0.54 J	0.74 U	1.2	0.28 J	0.32 J
Thallium	7440-28-0	NS	mg/kg	6.4 U	6.9 U	7 U	6.9 U	7.2 U	7.5 U	7.4 U	7 U	6.3 U	8.1 U
Zinc	7440-66-6	10000	mg/kg	3120 B	3950 B	50.3 B	1010 B	58.4 B	1470 B	86.5 B	1450 B	944 B	104 B
Mercury	7439-97-6	5.7	mg/kg	2.5	0.33	0.044 H	1.1	0.026	0.75	0.24	3.8	0.47	0.23 H

Notes:
NS - No Standard
BOLD values exceed the Part 375 Industrial SCO
H - Sample was prepped or analyzed beyond the specified holding time
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B - Compound was found in the blank and sample.
U - Sample analyzed for but not detected at the specified concentration

TABLE 6
SOIL ANALYTICAL RESULTS
CHA SUPPLEMENTAL INVESTIGATION

700 Smith Boulevard
Port of Albany, NY

Location	GP-51			GP-52			GP-53			GP-54	
Sample ID	GP-51 (0-1')	GP-51 (2-3')	GP-51 (4-5')	GP-52 (0-1')	GP-52 (2-3')	GP-52 (4-5')	GP-53 (0-1')	GP-53 (2-3')	GP-53 (4-5')	GP-54 (0-1')	GP-54 (2-3')
Sample Date	12/5/2014	12/5/2014	12/5/2014	12/5/2014	12/5/2014	12/5/2014	12/5/2014	12/5/2014	12/5/2014	12/5/2014	12/5/2014
Start Depth	0	2	4	0	2	4	0	2	4	0	2
End Depth	1	3	5	1	3	5	1	3	5	1	3
Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft

Part 375
INDUSTRIAL SCO¹

PCBs- Method 8082A

Units

Aroclor 1016	12674-11-2	25	mg/kg	0.23 U	0.2 U	0.28 U	1.2 U	0.23 U	0.22 U	0.39 U	1.3 U	0.24 U	0.45 U	0.25 U
Aroclor 1221	11104-28-2	25	mg/kg	0.23 U	0.2 U	0.28 U	1.2 U	0.23 U	0.22 U	0.39 U	1.3 U	0.24 U	0.45 U	0.25 U
Aroclor 1232	11141-16-5	25	mg/kg	0.23 U	0.2 U	0.28 U	1.2 U	0.23 U	0.22 U	0.39 U	1.3 U	0.24 U	0.45 U	0.25 U
Aroclor 1242	53469-21-9	25	mg/kg	0.23 U	1.2	0.28 U	1.2 U	0.23 U	0.22 U	0.39 U	1.3 U	0.24 U	0.45 U	0.25 U
Aroclor 1248	12672-29-6	25	mg/kg	1.5	0.2 U	0.28 U	9.1	0.48	0.22 U	2.8	11	0.24 U	4.2	0.25 U
Aroclor 1254	11097-69-1	25	mg/kg	1.7	0.2 U	0.28 U	8.1	0.64	0.22 U	3.6	8.6	0.24 U	4.9	0.25 U
Aroclor 1260	11096-82-5	25	mg/kg	0.72	0.21	0.28 U	3.5	0.32	0.22 U	3.7	4.1	0.24 U	2.9	0.25 U
Total PCBs	N/A	25	mg/kg	3.92	1.41	0.28 U	20.7	1.44	0.22 U	10.1	23.7	0.24 U	12	0.25 U

Metals- Method 6010C

Antimony	7440-36-0	NS	mg/kg	5.9 J	1.7 J	1.1 J	9 J	2.2 J	0.7 J	4.8 J	37.1	0.84 J	6.4 J	1.5 J
Arsenic	7440-38-2	16	mg/kg	19.9	12.4	9.7	17.1	9.7	2.2 J	9.4	14.7	4.3	8.1	4.5
Beryllium	7440-41-7	2700	mg/kg	0.69	0.64	0.44	0.64	0.53	0.26	0.4	0.58	0.36	0.46	0.58
Cadmium	7440-43-9	60	mg/kg	4.7	0.65	0.16 J	13.7	0.6	0.088 J	5.8	12.3	0.12 J	4.2	0.34
Chromium	7440-47-3	6,800	mg/kg	62.9	19.8	12.9	199	19.4	6.8	104	148	10.8	48	16.2
Copper	7440-50-8	10000	mg/kg	201	36.4	19.5	607	62.2	9.2	281	474	11.1	229	27.7
Lead	7439-92-1	3900	mg/kg	372	70.8	21	1930	74.9	9.7	606	1630	15.3	376	16.4
Nickel	7440-02-0	10000	mg/kg	61.7	25.9	18.3	144	26.7	11	86.4	133	16.6	52.1	22.8
Selenium	7782-49-2	6800	mg/kg	4.8 U	4.5 U	4.8 U	4.7 U	4.4 U	4.7 U	4.1 U	4.6 U	4.5 U	4.8 U	4.3 U
Silver	7440-22-4	6800	mg/kg	0.49 J	0.67 U	0.72 U	1.9 J	0.66 U	0.7 U	3.6	3.4 U	0.67 U	0.58 J	0.65 U
Thallium	7440-28-0	NS	mg/kg	7.2 U	6.7 U	7.2 U	7.1 U	6.6 U	7 U	6.2 U	6.9 U	6.7 U	7.2 U	6.5 U
Zinc	7440-66-6	10000	mg/kg	1340 B	148 B	57.6 B	2730 B	193 B	40.1 B	1120 B	3570 B	51.5 B	808 B	68.1 B
Mercury	7439-97-6	5.7	mg/kg	1.3	0.089	0.032 H	4.3	0.31	0.037 H	1.6	3.2	0.018 JH	1.4	0.075

Notes:
NS - No Standard
BOLD values exceed the Part 375 Industrial SCO
H - Sample was prepped or analyzed beyond the specified holding time
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B - Compound was found in the blank and sample.
U - Sample analyzed for but not detected at the specified concentration

TABLE 6
SOIL ANALYTICAL RESULTS
CHA SUPPLEMENTAL INVESTIGATION

700 Smith Boulevard
Port of Albany, NY

Location	GP-55		GP-56		GP-57			GP-58	
Sample ID	GP-55 (0-1')	GP-55 (2-3')	GP-56 (0-1')	GP-56 (2-3')	GP-57 (0-1')	GP-57 (2-3')	GP-57 (4-5')	GP-58 (0-1')	GP-58 (2-3')
Sample Date	12/5/2014	12/5/2014	12/5/2014	12/5/2014	12/5/2014	12/5/2014	12/5/2014	12/5/2014	12/5/2014
Start Depth	0	2	0	2	0	2	4	0	2
End Depth	1	3	1	3	1	3	5	1	3
Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft

Part 375
INDUSTRIAL SCO¹

PCBs- Method 8082A

Units

Aroclor 1016	12674-11-2	25	mg/kg	0.42 U	0.22 U	0.25 U	0.23 U	0.45 U	0.24 U	0.25 U	0.27 U	0.21 U
Aroclor 1221	11104-28-2	25	mg/kg	0.42 U	0.22 U	0.25 U	0.23 U	0.45 U	0.24 U	0.25 U	0.27 U	0.21 U
Aroclor 1232	11141-16-5	25	mg/kg	0.42 U	0.22 U	0.25 U	0.23 U	0.45 U	0.24 U	0.25 U	0.27 U	0.21 U
Aroclor 1242	53469-21-9	25	mg/kg	0.42 U	0.22 U	0.25 U	0.23 U	0.45 U	0.24 U	0.25 U	0.27 U	0.21 U
Aroclor 1248	12672-29-6	25	mg/kg	2.9	0.22 U	0.8	0.23 U	5.4	0.43	0.25 U	0.95	0.21 U
Aroclor 1254	11097-69-1	25	mg/kg	3	0.22 U	1.4	0.23 U	5.7	0.86	0.25 U	1.7	0.21 U
Aroclor 1260	11096-82-5	25	mg/kg	1.6	0.22 U	1.3	0.23 U	2.5	0.94	0.25 U	1.2	0.21 U
Total PCBs	N/A	25	mg/kg	7.5	0.22 U	3.5	0.23 U	13.6	2.23	0.25 U	3.85	0.21 U

Metals- Method 6010C

Antimony	7440-36-0	NS	mg/kg	6.4 J	12.6 J	3.5 J	16.3 U	684	2.9 J	0.84 J	4.7 J	0.95 J
Arsenic	7440-38-2	16	mg/kg	8.5	5.3	7.3	3.2	11.5	6.8	2.7	3.7	3.2
Beryllium	7440-41-7	2700	mg/kg	0.42	0.43	0.42	0.36	0.42	0.41	0.3	0.3	0.44
Cadmium	7440-43-9	60	mg/kg	4.7	2	3.3	0.16 J	9.3	1.2	0.25	1.5	0.69
Chromium	7440-47-3	6,800	mg/kg	51.2	12.1	47.7	9.4	88.2	15.6	9.2	22.3	9.6
Copper	7440-50-8	10000	mg/kg	301	55	153	12.8	624	126	10.2	90.2	16.5
Lead	7439-92-1	3900	mg/kg	490	33.4	361	7.8	954	175	7.3	189	92.1
Nickel	7440-02-0	10000	mg/kg	70.4	21.5	45.2	15.4	100	30.8	13.5	38.9	15.1
Selenium	7782-49-2	6800	mg/kg	4.6 U	0.46 J	4.4 U	4.3 U	4.7 U	4.6 U	3.9 U	4.7 U	0.83 J
Silver	7440-22-4	6800	mg/kg	1.8	0.66 U	0.57 J	0.65 U	1.1	0.68 U	0.59 U	0.54 J	0.64 U
Thallium	7440-28-0	NS	mg/kg	6.9 U	6.6 U	6.7 U	6.5 U	7 U	6.8 U	5.9 U	7 U	6.4 U
Zinc	7440-66-6	10000	mg/kg	1040 B	93.3 B	689 B	101 B	1340 B	322 B	49.1 B	379 B	163 B
Mercury	7439-97-6	5.7	mg/kg	1.5	0.061	1.1	0.021 U	2.5	0.48	0.008 JH	0.55	0.022

Notes:
NS - No Standard
BOLD values exceed the Part 375 Industrial SCO
H - Sample was prepped or analyzed beyond the specified holding time
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B - Compound was found in the blank and sample.
U - Sample analyzed for but not detected at the specified concentration

TABLE 6
SOIL ANALYTICAL RESULTS
CHA SUPPLEMENTAL INVESTIGATION

700 Smith Boulevard
Port of Albany, NY

Location	GP-59			GP-60		GP-61		
Sample ID	GP-59 (0-1')	GP-59 (2-3')	GP-59 (4-5')	GP-60 (0-1')	GP-60 (2-3')	GP-61 (0-1')	GP-61 (2-3')	GP-61 (4-5')
Sample Date	12/5/2014	12/5/2014	12/5/2014	12/5/2014	12/5/2014	12/5/2014	12/5/2014	12/5/2014
Start Depth	0	2	4	0	2	0	2	4
End Depth	1	3	5	1	3	1	3	5
Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft

Part 375

INDUSTRIAL SCO¹

PCBs- Method 8082A

Units

Aroclor 1016	12674-11-2	25	mg/kg	0.55 U	0.24 U	0.25 U	0.24 U	0.24 U	1.2 U	0.26 U	0.19 U
Aroclor 1221	11104-28-2	25	mg/kg	0.55 U	0.24 U	0.25 U	0.24 U	0.24 U	1.2 U	0.26 U	0.19 U
Aroclor 1232	11141-16-5	25	mg/kg	0.55 U	0.24 U	0.25 U	0.24 U	0.24 U	1.2 U	0.26 U	0.19 U
Aroclor 1242	53469-21-9	25	mg/kg	0.55 U	0.24 U	0.25 U	0.24 U	0.24 U	1.2 U	0.26 U	0.19 U
Aroclor 1248	12672-29-6	25	mg/kg	4.6	0.055 J	0.25 U	1.8	0.24 U	1.4	1.4	0.19 U
Aroclor 1254	11097-69-1	25	mg/kg	5.4	0.24 U	0.25 U	2.3	0.24 U	2.3	2.4	0.19 U
Aroclor 1260	11096-82-5	25	mg/kg	2.5	0.12 J	0.25 U	1.5	0.24 U	3.3	1.8	0.19 U
Total PCBs	N/A	25	mg/kg	12.5	0.175 J	0.25 U	5.6	0.24 U	7	5.6	0.19 U

Metals- Method 6010C

Antimony	7440-36-0	NS	mg/kg	7.9 J	0.66 J	0.67 J	2.1 J	0.57 J	3.4 J	17.7 U	0.89 J
Arsenic	7440-38-2	16	mg/kg	8.4	4.4	3.4	4.2	2.5	6.6	2.4 U	6.6
Beryllium	7440-41-7	2700	mg/kg	0.33	0.45	0.31	0.43	0.3	0.48	0.24 U	0.36
Cadmium	7440-43-9	60	mg/kg	7.2	0.82	0.058 J	1.8	0.12 J	2.1	0.24 U	0.17 J
Chromium	7440-47-3	6,800	mg/kg	68.8	15.3	8	65.9	7.9	48.4	0.46 J	12
Copper	7440-50-8	10000	mg/kg	815	51.7	8.9	102	15.4	198	0.27 J	14.4
Lead	7439-92-1	3900	mg/kg	618	78.6	8	295	28.5	292	1.2 U	14.2
Nickel	7440-02-0	10000	mg/kg	82.1	21.1	11.4	41.8	14.1	48.7	5.9 U	15.8
Selenium	7782-49-2	6800	mg/kg	4.8 U	3.9 U	4.3 U	4.3 U	4.5 U	0.76 J	4.7 U	4 U
Silver	7440-22-4	6800	mg/kg	2.5	0.59 U	0.65 U	0.42 J	0.67 U	0.46 J	0.71 U	0.6 U
Thallium	7440-28-0	NS	mg/kg	7.2 U	5.9 U	6.5 U	6.5 U	6.7 U	7 U	7.1 U	6 U
Zinc	7440-66-6	10000	mg/kg	1350 B	220 B	34.8 B	529 B	57.5 B	1010 B	1.1 JB	50.6 B
Mercury	7439-97-6	5.7	mg/kg	2	0.12	0.014 JH	0.61	0.039	0.6	0.76	0.044 H

Notes:

NS - No Standard

BOLD values exceed the Part 375 Industrial SCO

H - Sample was prepped or analyzed beyond the specified holding time

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

B - Compound was found in the blank and sample.

U - Sample analyzed for but not detected at the specified concentration

TABLE 7
GROUNDWATER ANALYTICAL RESULTS
CHA SUPPLEMENTAL INVESTIGATION

700 Smith Boulevard
Port of Albany, NY

Sample Location Sample Date TOGS 1.1.1 Guidance Value ¹				B-1/TW 8/29/2014	B-2/TW 8/29/2014	B-4/TW 8/29/2014	B-5/TW 8/29/2014	B-6/TW 8/29/2014	B-7/TW 8/29/2014	B-8/TW 8/29/2014	B-9/TW 8/29/2014	B-10/TW 8/29/2014	B-11/TW 8/29/2014
Total Metals													
Antimony Arsenic Barium Beryllium Cadmium Chromium Copper Iron Lead Magnesium Manganese Mercury Nickel Sodium Zinc	Total	mg/L	0.003	0.0068 U	0.0087 J	0.0068 U	0.0068 U	0.015 J	0.0068 U	0.0068 U	0.011 J	0.0068 U	0.0068 U
	Total	mg/L	0.025	0.014 J	0.059	0.023	0.051	0.056	0.028	0.027	0.018	0.021	0.068
	Total	mg/L	1	0.26	1.5	0.46	0.9	1.1	0.55	0.62	0.42	0.45	0.51
	Total	mg/L	0.003	0.0016 J	0.0083	0.003	0.0064	0.0045	0.0035	0.0033	0.0018 J	0.0028	0.0036
	Total	mg/L	0.005	0.0022	0.021	0.0016 J	0.022	0.022	0.0032	0.0041	0.0047	0.0051	0.0028
	Total	mg/L	0.05	0.057	0.26	0.08	0.16	0.25	0.23	0.1	0.13	0.12	0.13
	Total	mg/L	0.2	0.09	0.77	0.11	0.19	0.84	0.27	0.21	0.33	0.22	0.19
	Total	mg/L	0.3	55.4	282	105	182	211	110	106	75.5	89.9	177
	Total	mg/L	0.025	0.12	2.8	0.21	0.17	1.5	0.25	0.32	0.53	0.35	0.34
	Total	mg/L	35	96.4	88.1	73.8	60.3	84.7	35.5	50.4	30.5	43	42.2
	Total	mg/L	0.3	5	10	6.9	5.7	9.1	5.5	4.2	1.4	2.4	7.4
	Total	mg/L	0.0007	0.00042	0.0037	0.00038	0.00034	0.0044	0.0019	0.0011	0.0021	0.001	0.0012
	Total	mg/L	0.1	0.069	0.41	0.1	0.22	0.31	2.9	0.14	0.12	0.11	0.21
	Total	mg/L	20	127	97	31.5	13.9	115	103	74.9	42.1	38	62.2
	Total	mg/L	2	0.66	5.5	0.63	0.68	4.1	0.84	0.9	2.1	0.91	0.83
Dissolved Metals													
Iron	Dissolved	mg/L	0.3	0.021 J	0.044 J	NS	0.019 U	0.034 J	0.019 J	0.019 U	0.019 U	0.5	0.12
Magnesium	Dissolved	mg/L	35	65.2	46.3	NS	12.7	26.4	21.5	31.6	20.9	28.4	6.7
Manganese	Dissolved	mg/L	0.3	2.2 B	6.4 B	NS	0.92 B	2.8 B	3.5 B	1.7 B	0.23 B	1.2 B	2.8 B
Nickel	Dissolved	mg/L	0.1	0.0051 J	0.0051 J	NS	0.0014 J	0.006 J	0.76	0.0099 J	0.0059 J	0.0056 J	0.0081 J
Sodium	Dissolved	mg/L	20	104	112	NS	11.9	127	124	79.5	52.5	40.3	39.6
PCBs													
PCB-1248	Total	ug/L	0.09	0.19 U	0.56	0.19 U	0.18 U	0.18 U	0.18 U	17 U	17 U	17 U	17 U
PCB-1254	Total	ug/L	0.09	0.19 U	0.91	0.19 U	0.18 U	0.18 U	0.18 U	25 U	24 U	24 U	25 U
PCB-1260	Total	ug/L	0.09	0.19 U	0.49 J	0.19 U	0.18 U	0.18 U	0.18 U	25 U	24 U	24 U	25 U

Sample Date TOGS 1.1.1 Guidance Value ¹				12/01/2014	12/01/2014	12/01/2014	12/01/2014	12/01/2014	12/01/2014	12/01/2014	12/01/2014	12/01/2014	12/01/2014
VOCs													
cis-1,2-Dichloroethene 1,2-Dichloroethene (total) Methyl Tert Butyl Ether Vinyl chloride		ug/L	5	2 U	NS	NS	NS	NS	NS	4.5	NS	NS	NS
		ug/L	NA	2 U	NS	NS	NS	NS	NS	15.0	NS	NS	NS
		ug/L	10	49	NS	NS	NS	NS	NS	2 U	NS	NS	NS
		ug/L	2	2 U	NS	NS	NS	NS	NS	31.0	NS	NS	NS
PCBs													
PCB-1248	Total	ug/L	0.09	NS	1.1	NS	NS	NS	NS	NS	NS	NS	NS
PCB-1254	Total	ug/L	0.09	NS	1.6	NS	NS	NS	NS	NS	NS	NS	NS
PCB-1260	Total	ug/L	0.09	NS	0.86	NS	NS	NS	NS	NS	NS	NS	NS
Total Metals													
Arsenic	Total	mg/L	0.025	NS	0.037	NS	NS	NS	NS	NS	NS	NS	NS
Iron	Total	mg/L	0.3	NS	58.1	NS	NS	NS	NS	NS	NS	NS	NS
Lead	Total	mg/L	0.025	NS	0.3	NS	NS	NS	NS	NS	NS	NS	NS
Magnesium	Total	mg/L	35	NS	49.4	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	Total	mg/L	0.3	NS	6	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	Total	mg/L	0.0007	NS	0.00077	NS	NS	NS	NS	NS	NS	NS	NS
Sodium	Total	mg/L	20	NS	108	NS	NS	NS	NS	NS	NS	NS	NS

NOTES:
Only parameters exceeding TOGS 1.1.1 standards/guidance values are shown above. Refer to laboratory analytical reports for all analytical data
1. New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1, October 1993 "Ambient Water Quality Standards and Guidance Values"
NS = Not Sampled/Analyzed
NA = Guidance/standard value not available
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value
B = Analyte was detected in the associated method blank.
BOLD values are those that exceed TOGS 1.1.1 Standard or Guidance Value for Class GA Groundwater.