

2015 Second Quarter Groundwater Monitoring Report

April - June 2015

Claremont Polychemical Corporation Site

505 Winding Road

Old Bethpage, Nassau County, New York 11804

Site Code: 130015

WA# D006130-19

Prepared for:

New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

Prepared by:

HRP Engineering, P.C.
1 Fairchild Square Suite 110
Clifton Park, New York 12065
518.877.7101



Jennifer Koch
Senior Project Geologist



Nancy Garry, PE
Project Manager

Submitted: July 22, 2015

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**2015 Second Quarter Groundwater Monitoring Report
April - June 2015
Claremont Polychemical Corporation Site
Old Bethpage, New York 11804**

Report Submittal Date: July 22, 2015
Prepared by: Jennifer Kotch, Nancy Garry, PE
HRP Engineering, P.C.
1 Fairchild Square, Suite 110
Clifton Park, New York 12065
Phone: (518) 877-7101 / Fax: (518) 877-8561

Project Address: Claremont Polychemical, 505 Winding Rd, Old Bethpage, NY

CERTIFICATION

I, Nancy Garry, certify that I am currently a NYS Registered Professional Engineer as defined in 6 Part NYCRR Part 375 and that this report, 2015 Second Quarter Groundwater Monitoring Report, was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER -10) and that all activities were performed in full accordance with the DER-approved workplan and any DER-approved modifications.

Environmental Contractor: HRP Engineering, P.C.

By: 

Nancy Garry, PE

**2015 Second Quarter Groundwater Monitoring Report
April - June 2015
Claremont Polychemical Corporation Site
Old Bethpage, New York 11804**

1.0 INTRODUCTION

HRP Associates Inc. d.b.a HRP Engineering, P.C. (HRP) is pleased to submit this report containing groundwater quality data, discussions and data deliverables related to the second quarter 2015 (April - June 2015) groundwater monitoring event conducted at the Claremont Polychemical Corporation Site (Claremont); hereinafter referred to as the "Site"(Figure 1). The groundwater monitoring event and the preparation of this deliverable are part of the routine groundwater monitoring program being conducted at the Site. This report has been prepared for submittal to the New York State Department of Environmental Conservation (NYSDEC) and includes the following:

- Brief overview of historical site activities;
- Discussion of the on-site groundwater treatment system;
- Brief description of the scope of the field activities;
- Groundwater elevation contours;
- Tetrachloroethylene (PCE) and trichloroethylene (TCE) contaminant concentration profiles in groundwater;
- Groundwater PCE and TCE contaminant concentrations discussion;
- Brief discussion of the groundwater quality data;
- Comparison of data from this monitoring period to data from previous periods; and
- Conclusions Recommendations and.

2.0 SITE BACKGROUND

2.1 Site Overview

The Claremont Polychemical Corporation, a former manufacturer of pigments for plastics and inks, coated metal flakes, and vinyl stabilizers, operated on-site from 1966 to 1980. The Site was proposed for inclusion on the Environmental Protection Agency (EPA) National Priorities List (NPL) in October 1984 and was listed as a superfund site in June 1986. A Comprehensive Remedial Investigation Feasibility Study (RI/FS) for the Site was initiated in March 1988 by the EPA. Under this RI/FS, the EPA sampled the surface and subsurface soil, the groundwater, underground storage tanks, and the building. The EPA RI/FS reports were released to the public in August 1990. The EPA RI/FS findings indicated that on-site soils contaminated with PCE, located in the former "spill area", constituted a potential threat to groundwater resources. A comprehensive remedy for the Site was completed and documented in several EPA Records of Decisions (RODs) issued in 1989-1990. The Site was divided into six operable units (OU), each with specific remedial activities. Operable Unit No. 4 (OU IV) is designated as "Remedial Program" and involves the treatment of the on-site volatile organic compounds (VOC) that have contaminated groundwater.

A groundwater treatment system was installed on-site by the EPA and Army Corp of Engineers (ACOE) to control OU IV. Full-scale operation of the groundwater remedial system began in February 2000, reportedly pumping and treating 470 gpd (gallons per day). SAIC Inc. operated and maintained the treatment system from 2000 to May 2011. During that period SAIC monitored the treatment system operation on a regular basis by collecting system discharge and quarterly groundwater samples. In May 2011, the operation, maintenance, and sampling of the remediation system was relinquished from the ACOE/EPA to the NYSDEC, who subsequently retained HRP to operate, maintain and sample the remediation system. Each extraction well (EX) pump is capable of pumping up to 200 gallons per minute (gpm). However, historically, EX-1, EX-2, and EX-3 extract 190 gpm, 188 gpm, and 175 gpm, respectively, for a total of approximately 553 gpm.

Based on conversations with the NYSDEC project manager in August 2014, EX-2 was taken off line and the flow from EX-1 was decreased to ~ 60 gallons per minute. This average pumping rate as of August 24, 2014 translates to approximately 330,000 to 360,000 gallons per day. Extraction well EW-1 continues to pumped at a decreased rate and EW-3 is operating without restriction to maintain a radius of influence (ROI).

During the work responsibility transition from the EPA to the NYSDEC, the NYSDEC requested copies of reports and analytical results generated during the EPA's operations of the remediation system, including but not limited to quarterly groundwater sampling data from SAIC, EPA Region 2 and the ACOE. Previous groundwater monitoring reports were not available for HRP's review. Therefore, the historical groundwater data was not reviewed by HRP or incorporated into this report.

2.2 Location

The Site is located on a 9.5-acre parcel in an industrial section of Old Bethpage, Nassau County, New York (see Figure 1 for location). The property formerly had one two-story building, covering approximately 35,000 square feet (the former processing plant demolished in 2012) and currently has a water treatment building, covering approximately 5,200 square feet. The Site lies approximately 800 feet east of the border between Nassau and Suffolk County and is accessed via Winding Road on the property's western border. Adjacent properties include:

South and Southeast - Bethpage State Park and a golf course;
East - State University of New York-Farmingdale Campus;
West - Oyster Bay Solid Waste Disposal Complex; and
North - Commercial and light industrial, including Mana Construction.

The Oyster Bay Solid Waste Disposal Complex is a NYSDEC Superfund Site with the Town of Oyster Bay as the responsible party. The Nassau County Fireman's Training Center, which has also contributed to soil and groundwater contamination in the area, is located approximately 500 feet south of the Oyster Bay Solid Waste Disposal Complex. The Oyster Bay Solid Waste Disposal Complex has a groundwater extraction and treatment system in operation, the Fireman's Training Center groundwater extraction and treatment system was shutdown in 2014. In addition, the golf course has a number of pump/irrigation wells, which are used for watering their fairways. The closest residences are approximately one-half mile from the Site, immediately west of the Old Bethpage Landfill Superfund site. The nearest public supply well is located 3,500 feet northwest of the Site and nearly 47,000 people are drawing water from private-use wells located within three miles of the Site.

2.3 Site History

According to the "Five-Year Review Report for Claremont Polychemical Corporation" prepared by the EPA Region 2, dated March 2014, the Claremont Polychemical Corporation manufactured pigments for plastics and inks, coated metal flakes, and vinyl stabilizers operated from 1966 to 1980. During its operation, Claremont disposed of liquid waste in three leaching basins and deposited solid wastes and treatment sludges in drums or in old, aboveground metal tanks. The principal wastes generated were organic solvents, resins and wash wastes (mineral spirits). Located inside the process building were a solvent recovery system (steam distillation), two pigment dust collectors and a sump. To the west of the building, there were five concrete treatment basins, each with a capacity of 5,000 gallons, which contained sediments and water. Six aboveground tanks, three of which contained wastes, were located east of the process building. Other features included an underground tank farm, construction and demolition debris, dry wells and a water supply well.

2.4 Site Geological Setting

The "Claremont Polychemical Superfund Site Long-Term Groundwater Monitoring Old Bethpage, New York" report (dated December 2001) prepared by SAIC reported that site-specific subsurface investigations from a variety of soil borings and monitoring/injection/extraction well installations to a maximum depth of 250 feet below ground surface (bgs) identified "well-stratified fine to medium sand with silt lenses, abundant peat laminae, and discontinuous sand layers" (Ebasco, 1990). Borings in the northern portion of the Site also encountered numerous interbedded silt and clay horizons. A comparison of Site logs with municipal supply well logs to the north suggest that the Site is located within a transitional area between the predominately sandy southern portion of the Magothy Formation and an interbedded clayey-sand portion to the north (Ebasco, 1990).

The 2001 report also indicated that groundwater flow was generally to the south-southeast with historical gradients ranging from 0.001-0.002 ft/year and horizontal flow velocities of 0.43 ft/day or 157 ft/yr (Ebasco, 1990). Groundwater elevations are depressed in the areas of the extraction wells while the system is in operation. Hydraulic permeability (slug) tests performed during the EPA RI calculated hydraulic conductivities ranging between 200 and 400 gdp/ft² which is significantly lower than historical data from actual pump tests. The vertical component of flow was historically less than 0.5 ft/year and lacked any consistency or pattern. It was thus determined to be insignificant with respect to contaminant movement (Ebasco, 1990).

The 2001 report also stated that the direction of groundwater flow from the western portion of the Site is to the east, south and southeast and reverses on the eastern and southeastern portions of the Site. The gradient was reported to be approximately 0.024 ft as measured between monitoring wells SW-1 and SW-2 over a distance of approximately 500 ft. The semi-radial component of flow and steep gradient are indicative of the groundwater extraction system's capture zone. However, groundwater levels were recorded from five sets of clustered monitoring wells, or 13 data points, in and around the source area. Hence, the report concluded that the capture zone is not realistically defined as it tends to center around monitoring well cluster SW-2/DW-2, instead of the three extraction wells slightly to the southeast.

3.0 GROUNDWATER TREATMENT SYSTEM

A description of the groundwater treatment system and a review of its effectiveness of contamination recovery and hydraulic control are provided below.

3.1 Groundwater Treatment System Description

The groundwater treatment system is designed to treat metals, organic contaminants, and provide final pH adjustment. The system consists of an extraction system, above-ground treatment, and a reinjection system. Each of the system components are discussed below.

Groundwater Treatment System Extraction Wells

The groundwater collection system consists of three extraction wells (EX-1, EX-2, and EX-3) installed approximately 150 feet apart, south of the Site oriented in a southwest-northeast line. EX-1, EX-2, and EX-3 are screened from approximately 75, 95, and 94 feet mean sea level (MSL)(just below the water table) to approximately 175, 190, and 194 feet MSL, respectively, and are outfitted with 10 horsepower pumps. In May 2013, fixed end packers (packers) were installed in EX-1 and EX-2, effectively blocking the non-contaminated, bottom portion of EX-1 and EX-2 extraction well, at 115 feet MSL and 125 feet MSL, respectively.

Each extraction well pump is capable of pumping up to 200 gallons per minute (gpm). However, historically EX-1, EX-2, and EX-3 extract 190 gpm, 188 gpm, and 175 gpm for a total of approximately 553 gpm, respectively. Based on the step-down test completed in June 2013, the pumping rate of EX-1 and EX-2 were reduced to 110 gpm and 120 gpm, a 10% reduction in the pumping rates. The average flow rate over the course of a month is approximately 350 to 390 gpm. This average pumping rate translates to approximately 330,000 to 360,000 gallons per day.

Based on the RSO evaluation, extraction wells EX-1 and EX-2 were retrofitted with packers to focus groundwater removal to shallow groundwater, found to be the majority of the remaining contaminated intervals from the site. Following completion of the retrofitted packers, pumps were reinstalled and the treatment system was re-activated. A step-test was conducted on each well to ensure that capture is being achieved. The results of this test were evaluated and indicate that a 10% reduction in pumping rates would reduce the overall influent clean groundwater and limit capture from the up-gradient plume/source while maintaining the capture from contamination originating on-site utilizing EX-1 and EX-2.

Based on conversations between the NYSDEC and HRP in August 2014, EX-2 was taken off line and the flow from EX-1 was decreased to approximately 60 gpm. This average pumping rate as of August 24, 2014 translates to approximately 330,000 to 360,000 gallons per day. Extraction well EX-1

continues to pumped at a decreased rate and EX-3 is operating without restriction to maintain a ROI.

Groundwater Treatment System Path of Remediation

Groundwater pumped from the extraction wells enters a 60,000-gallon equalization tank situated adjacent to the treatment building. Water from the equalization tank flows through two parallel metals-removal trains that are each rated for 250 gpm. Each train includes a reaction tank, a flocculation tank, a clarifier, and a filter followed by air-stripper feed tanks. The feed tanks divert the water through a single packed tower air stripper rated at an average rate of 500 gpm and then through parallel liquid phase carbon units each rated at 250 gpm. The liquid phase carbon units are currently being evaluated for their role in active remediation and use as a final polish in the treatment train. The liquid phase units may be redundant as the contamination levels have been remediated to a concentration level that does not require a final polish prior to reinjection. The air emission from the air stripper is treated with vapor phase carbon. The treated water is then stored in two 42,000-gallon vessels prior to reinjection to the subsurface via four butterfly valve injection wells and/or two infiltration galleries located on the adjacent SUNY Farmingdale campus. The extraction wells are equipped with high-level alarms and are regularly gauged. However, the infiltration galleries are not equipped with level sensors or alarms.

In 2001, after the first nine months of operation, the addition of oxidizing chemicals (potassium permanganate) to the metals removal system was discontinued as the influent metals analytical concentration to the plant met EPA discharge standards for metals. Water continues to flow through the metals portion of the treatment system.

The remediation system is manned by two operators working 40-hour weeks, and an autodialer (telemetry unit) is installed to contact the operators in case of plant alarms. The operators typically respond to alarms within 30 minutes.

Groundwater Treatment System Operating Permits

Water Permit

The plant was issued a water discharge permit dated January 1, 1998, which was renewed on March 4, 2015. A permit renewal application was submitted to and approved by the NYSDEC Bureau of Water Permits. The completed permit reauthorization expires on December 31, 2025.

It is important to note that the NYSDEC Bureau of Water does not have regulatory authority over a discharge from a State, PRP, or Federal Superfund Site. Therefore, Effluent Limitations and Monitoring Requirements outlined in the permit will be enforced by to the NYSDEC Division of Environmental Remediation, Remedial Bureau E.

Air Permit

An air permit is not required for the remediation system operation. In particular, NYSDEC regulation 6 NYCRR Part 375-1.7 states that “no permit is required when the substantive compliance is achieved as indicated by the NYSDEC approval of the workplan”. Based on a review of the information pertaining to the remediation system, VOCs air emissions from the remediation system historically have been negligible.

3.2 Groundwater Treatment System Performance Evaluation

3.2.1 Flow Rate

The volume of treated water discharged by the treatment plant to the injection well field is determined daily from readings of the magnetic flow meter on the plant effluent line. Since startup, the system has treated more than 2.4 billion gallons of groundwater. During the second quarter of 2015 (April - June), the treatment system processed 30.4 million gallons of water.

Flow to infiltration wells IW-1 and IW-3 is restricted so that flow to IG-1 and IG-3 is maximized. The plant’s effluent discharge is currently limited by injection pump system capacity.

3.2.2 Groundwater Treatment System Contaminant Removal

To evaluate the treatment system’s contaminate influent rate (Chart 1) removal rate, HRP reviewed available treatment system inlet (Charts 1a, 1b, 1c and 2) and effluent analytical results from monthly operation and maintenance (O&M) sampling when the system is operational. Approximately 911 kilograms of chlorinated solvents have been removed since 2002. A plot of historic mass removal rates and cumulative PCE and TCE mass removal is presented as Chart 5. In addition, HRP prepares and submits monthly Groundwater Treatment System O&M Activities reports which discuss monthly O&M activities, technical support, remediation system sample results and project goals met.

3.2.3 Groundwater Treatment System Discharge Monitoring

When the system is operational, effluent data for select VOC compounds (PCE, TCE, and 1,1-DEC) and metals (Iron and Manganese) are analyzed to evaluate compliance with established effluent discharge limits. Chart 3 shows that the past and current effluent concentrations remained below permissible discharge limit levels. Chart 4 shows that the concentrations of iron were under the permissible levels for the second quarter 2015 sampling results. Refer to the monthly O&M and the Significant Events reports for additional information on remediation system performance and daily operations.

4.0 GROUNDWATER MONITORING PROGRAM

On June 15 and 16, 2015 HRP sampled a total of 41 on-site and off-site wells. On-site monitoring wells included DW-1, DW-2, EW-5, EW-7C, EW-7D, EW-8D, EW-9D, and SW-1. Off-site wells included BP-3A, BP-3B, BP-3C, EW-1A, EW-1B, EW-1C, EW-2A, EW-2B, EW-2C, EW-2D, EW-3A, EW-3B, EW-3C, EW-4A, EW-4B, EW-4C, EW-4D, EW-6A, EW-6C, EW-10C, EW-11D, EW-12D, EW-13D, EW-14D, LF-02, MW-6D, MW-8A, MW-8B, MW-8C, MW-10B, MW-10C, MW-10D, and WT-01. In addition, the three extraction wells, EX-1, EX-2, and EX-3, were sampled by isolating each recovery well pumps production water. The monitoring well locations are depicted in Figure 2a. A description of the groundwater sampling event is provided below.

4.1 Hydrological Data

Prior to sample collection, static groundwater levels were measured at the 41 groundwater well locations on June 15, 2015. Depths to groundwater in March 2015 when the PDBs were installed ranged from 41.39 ft (EW-14D) to 100.73 ft bgs (EW-11D) below ground surface (bgs). Depths to groundwater in June 2015 when the PDBs were retrieved ranged from 42.09 ft (EW-14D) to 101.04 ft bgs (EW-11D). The inferred groundwater flow direction is to south-southeast. Overall, groundwater elevations (Table 1) and inferred groundwater flow direction based on groundwater elevation contours (Figure 2b) were consistent with previous data.

4.2 Groundwater Sample Collection

The groundwater samples from the second quarter 2015 monitoring event were collected utilizing passive diffusion bags (PDBs), inserted into the monitoring wells. PDBs were first utilized for sample collection during the May 2012 sample event. PDBs were placed at predetermined, fixed depths (Appendix A) in March 2015 following the first quarter 2015 sampling event. On March 23 and 24, 2015 HRP collected and sampled the PDBs associated with the first quarter 2015 sample event. At the time of sample collection, each PDB bag is retrieved, pierced with a decontaminated item, and the water inside is collected in VOA vials with septum caps, preserved with hydrochloric acid (HCl). The VOA vials are labeled, recorded on a chain of custody, and placed in a cooler with ice.

The samples were submitted to Test America Laboratory, of Edison, New Jersey, an NYSDOH ELAP-approved laboratory, to be analyzed for VOCs via EPA Method 8260. A list of wells sampled and analytical results are presented in Table 2. Based on the historic analytical results of metals, groundwater sampling for metals was discontinued by the NYSDEC following the July 2011 sampling event.

4.3 Groundwater Analytical Results

To assess the status of groundwater quality at the Site and adjacent area which

has monitoring wells, HRP compared collected analytical data from the June 2015 sampling event to historical conditions and to applicable NYSDEC water quality criteria. Compounds detected above NYSDEC Class GA criteria during the June 2015 sampling event include tetrachloroethylene; trichloroethylene; cis-1,2-dichloroethylene; 1,2-Dichloroethane, 1,1-dichloroethylene; 1,1-dichloroethane; and 1,1,1-trichloroethane. Of note, acetone, a known lab artifact, was also detected. See Table 2 for complete results. The measured VOC concentrations during this event are consistent with results from the previous sampling event results.

4.3.1 Comparison to Historical Groundwater Quality

The attached charts (Chart 6a through Chart 6c) illustrate the historical concentration trends for PCE and/or TCE in three wells (EW-1a, EW-4c, SW-1). These wells were selected due to consistent elevated VOC analytical results and the presence of sufficient historical data. In all cases with the exception of EW-4C, EW-4D, and BP-3C, the results continue to indicate a general downward trend in VOC concentrations. EW-4C and EW-4D are sidegradient and upgradient from Claremont and the increases are not attributed to the Claremont spill. BP-3C is located downgradient from Claremont and the increases are not attributed to the Claremont spill.

4.3.2 Plume Evaluation

An assessment of groundwater contamination distribution was conducted by creating contaminant isopleth charts depicting PCE and TCE concentrations versus time (Charts 6a through 6c). In addition, cross sections and plume footprint maps (Figures 3a and 3b) were generated for this sampling event. In general, a decreasing level of contamination was observed. Monitoring wells not associated with the Claremont Site monitoring program, but with the Former American Louvre site is represented on the map as these sites are located hydraulically upgradient and the Old Bethpage Landfill site is represented on the map as these sites are located hydraulically sidegradient with an upgradient aspect from the Claremont Site.

TCE Contamination (Figure 3A)

TCE contamination is predominant to the east of the Site building (Cross section A-A'), and is at its highest concentration (230 ug/l) in well EW-7C, upgradient of the Site, and in the furthest downgradient monitoring well to the southeast towards EW-7C (310 ug/l). Also present to the east of the site is concentrations of 18 ug/L and 28 ug/L at EW-4D and EW-4C, respectively. This plume appears to be separate from an onsite generated plume (Cross section B-B'). The on-site generated plume has maximum observed concentrations of 21 ug/l in SW-1 (Cross section C-C'). As with PCE contamination, additional exceedances were noted in the southern portion of the study area, centered on wells BP-3B (9 ug/L), BP-3C (14 ug/L), and EW-3C (1.3 ug/L).

PCE Contamination (Figure 3B)

PCE has historically been present above groundwater criteria in two zones of the sampling area for the Site. Cross section A-A' east of the Site shows an on-site migrating PCE plume with maximum observed concentrations of 16 micrograms per liter (ug/l) at EW-4D and EW-7C and 5.8 ug/L at EW-12D. A separate plume appears to originate on-site, with maximum concentrations of 210 ug/l in SW-1 (Cross Section C-C'). These plumes seem to be separate (Figure 3A, Cross Section Location cutout). Additional exceedances were noted in the southern portion of the study area, centered on wells BP-3C (180 ug/l) and BP-3B (110 ug/l).

5.0 EXTRACTION WELL CONTAMINANT PROFILE AND MODIFICATION

On August 25, 2014, HRP shut the recovery pump in extraction well EW-2 off at the NYSDEC's request. Extraction well EW-1 continues to pump at a decreased rate and EW-3 is operating without restriction to maintain a ROI. No additional modifications have been made since August 2014.

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 Conclusions

HRP completed a groundwater monitoring event in June 2015 at the Claremont Polychemical Corporation Site, in which groundwater samples from 44 wells (groundwater monitoring wells and extraction wells) were collected. Analysis of the data has resulted in the following conclusions:

- A groundwater plume of VOCs, primarily PCE, originates from the south of the former Site building;
- Based on the contamination noted in the upgradient monitoring wells, additional co-mingled plumes (potentially former American Louvre site, Old Bethpage Landfill, and/or Trilite Site) migrate into the Claremont remediation area, and are marked by TCE predominance. The upgradient wells and southeastern wells are out of the operable unit VI and the radius of influence of the remediation system;
- Some of the TCE plume originating northeast of the Site is not being captured by the current treatment system;
- The two plumes identified southeast of the Site may be related to the northernmost plume, although based on the current monitoring network, data gaps between the plumes exist;
- The rate of contamination has been consistent with past sampling rounds, and has slightly increased from historic removal rates as shown on Chart 5;

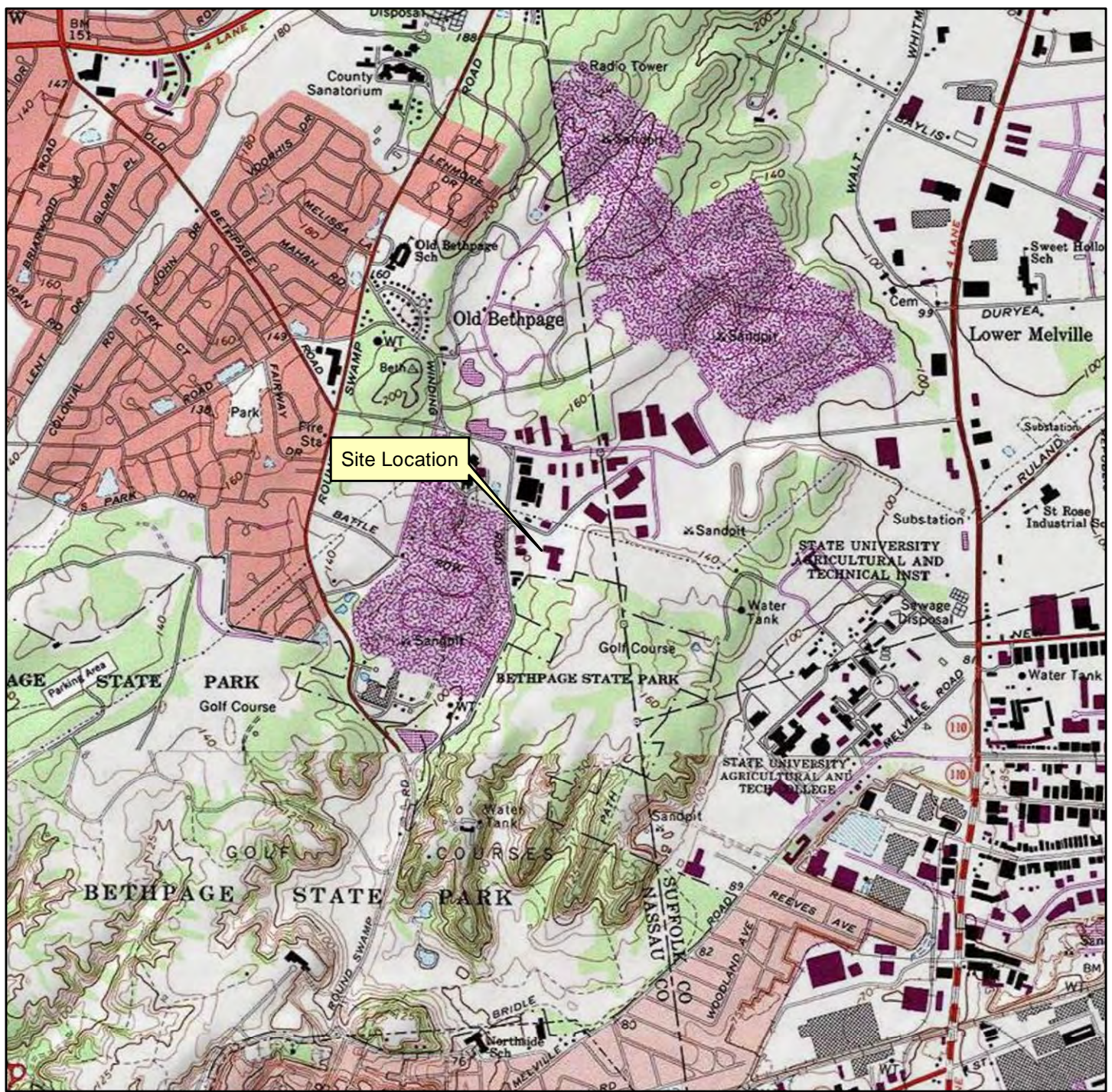
- The results from the second quarter 2015 groundwater sampling event showed compounds detected above criteria during the June 2015 sampling event include tetrachloroethylene; trichloroethylene; cis-1,2-dichloroethylene; 1,2-Dichloroethane, 1,1-dichloroethylene; 1,1-dichloroethane; and 1,1,1-trichloroethane.

6.2 Recommendations

Based on analysis of data collected during this and historical events, HRP has the following recommendations for the Claremont Polychemical Corporation Site:

- Twenty-one of the groundwater monitoring wells currently sampled are recommended for removal from the groundwater monitoring program or a reduction in the frequency of sampling. Refer to the February 18, 2014 "Recommendations on a Reduction in the Number of Groundwater Monitoring Wells Sampled and on the Installation of Additional Groundwater Monitoring Wells" letter report for additional details;
- Continued quarterly VOC monitoring of 20 observation wells using PDBs; and
- Additional investigation to identify the source and connectivity of the plumes or elevated concentrations identified in the MW-10 well cluster, the BP-3 well cluster and specifically at EW-14D.

FIGURES



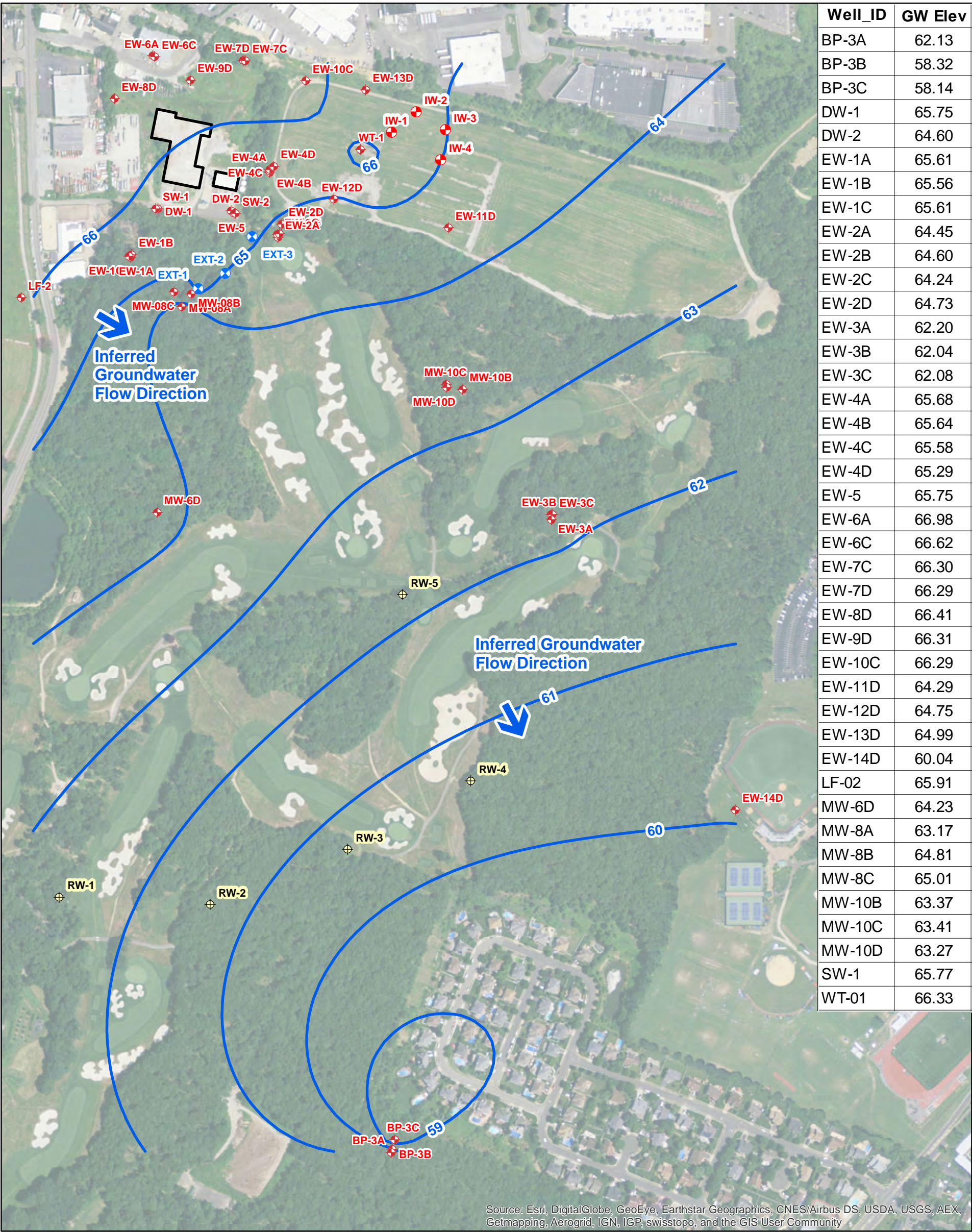
USGS Quadrangle Information
 Quad ID: 40073-G4
 Name: Huntington, New York
 Date Rev: 1977
 Date Pub: 1979

0 1,000 2,000 4,000 6,000 8,000 Feet
 1 inch = 2,000 feet



Figure 1
Site Location
Claremont Polychemical Corporation
Old Bethpage, New York
HRP # NEW9625.OM
Site Code 130015
Scale 1" = 2,000'

HRP Associates, Inc.
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 197 Scott Swamp Road
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Well_ID	GW Elev
BP-3A	62.13
BP-3B	58.32
BP-3C	58.14
DW-1	65.75
DW-2	64.60
EW-1A	65.61
EW-1B	65.56
EW-1C	65.61
EW-2A	64.45
EW-2B	64.60
EW-2C	64.24
EW-2D	64.73
EW-3A	62.20
EW-3B	62.04
EW-3C	62.08
EW-4A	65.68
EW-4B	65.64
EW-4C	65.58
EW-4D	65.29
EW-5	65.75
EW-6A	66.98
EW-6C	66.62
EW-7C	66.30
EW-7D	66.29
EW-8D	66.41
EW-9D	66.31
EW-10C	66.29
EW-11D	64.29
EW-12D	64.75
EW-13D	64.99
EW-14D	60.04
LF-02	65.91
MW-6D	64.23
MW-8A	63.17
MW-8B	64.81
MW-8C	65.01
MW-10B	63.37
MW-10C	63.41
MW-10D	63.27
SW-1	65.77
WT-01	66.33

Legend

- Monitoring Well
- Extraction Well
- Injection Well
- Oyster Bay Extraction Well
- June 2015 GW Contours



HRP

MOVE YOUR ENVIRONMENT FORWARD

ONE FAIRCHILD SQUARE
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CLIFTON PARK, NY 12065
(518) 877-7101
HRPASSOCIATES.COM

GROUNDWATER
ELEVATION CONTOURS
JUNE 2015

Claremont Polychemical Corporation

Old Bethpage, New York

JRK
DESIGNED BY:

BOB
DRAWN BY:

NEG
REVIEWED BY:

11X17
SHEET SIZE:

07/15/2015
DATE:

NEW9625.OM
PROJECT NUMBER:

North

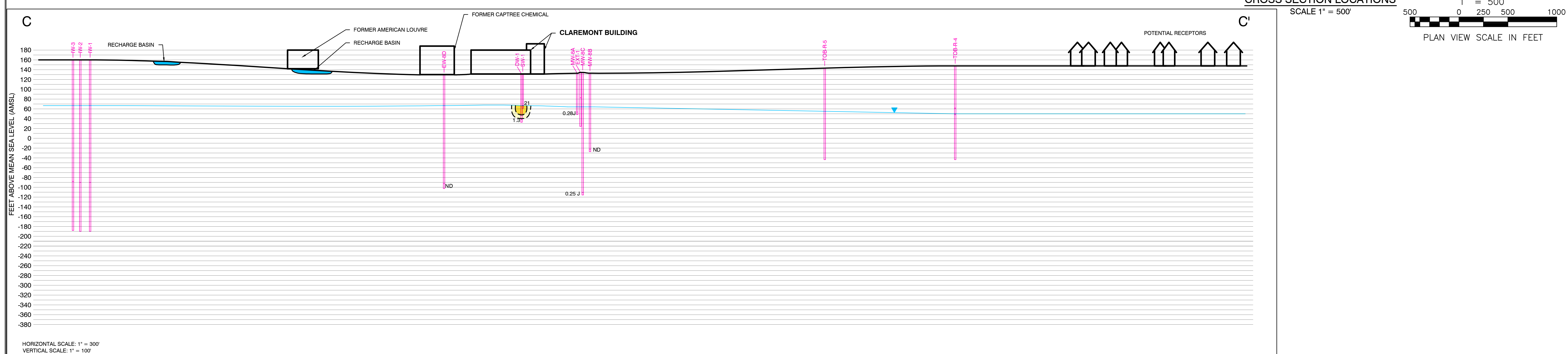
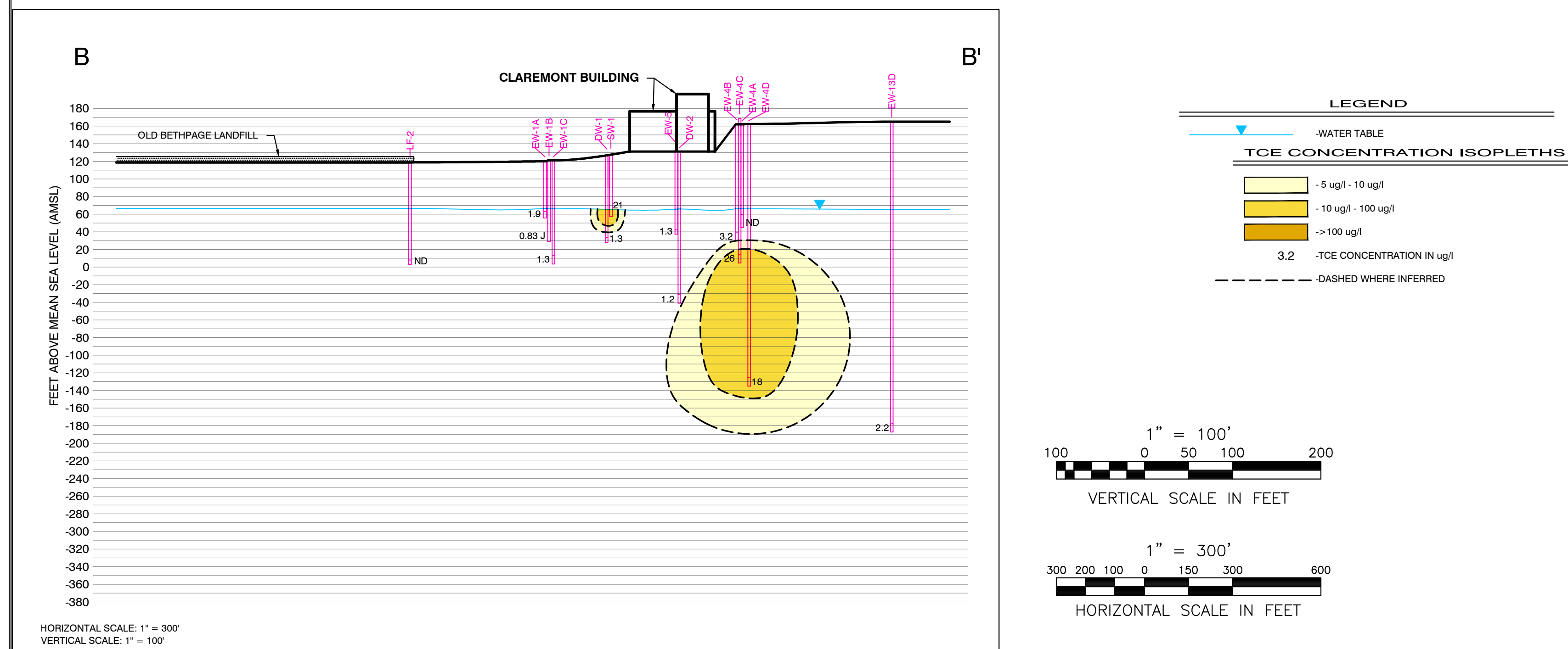
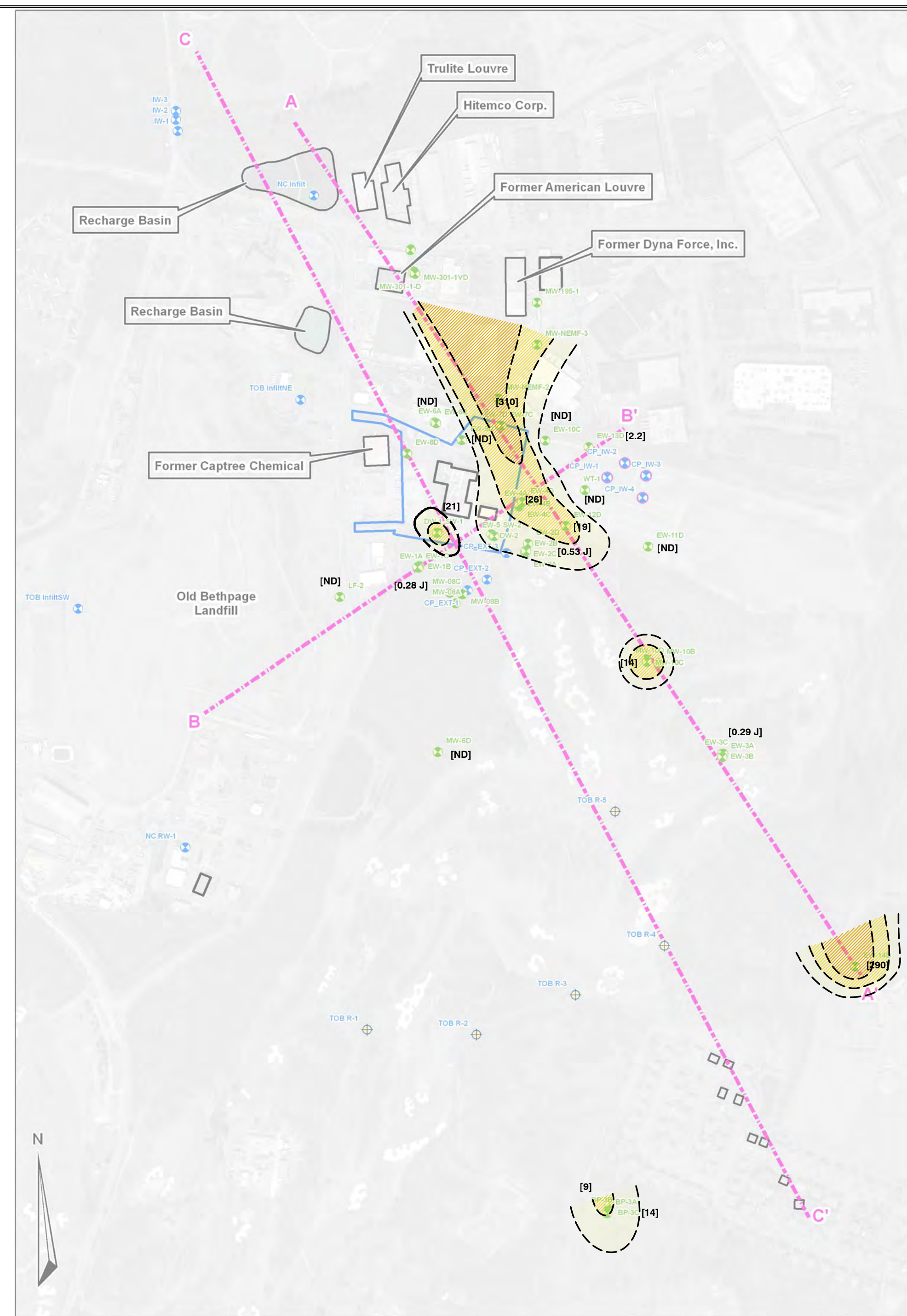
1 in = 400 ft

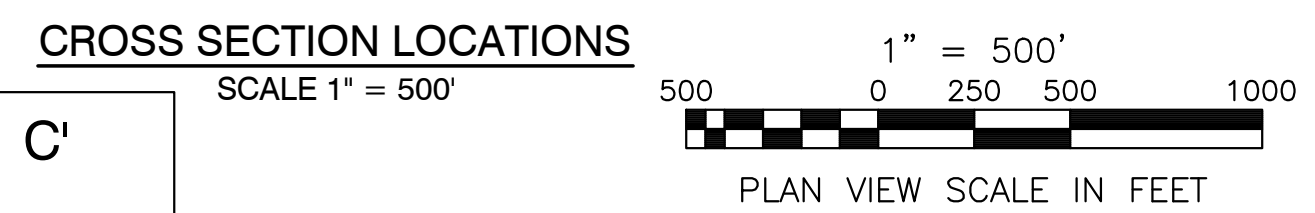
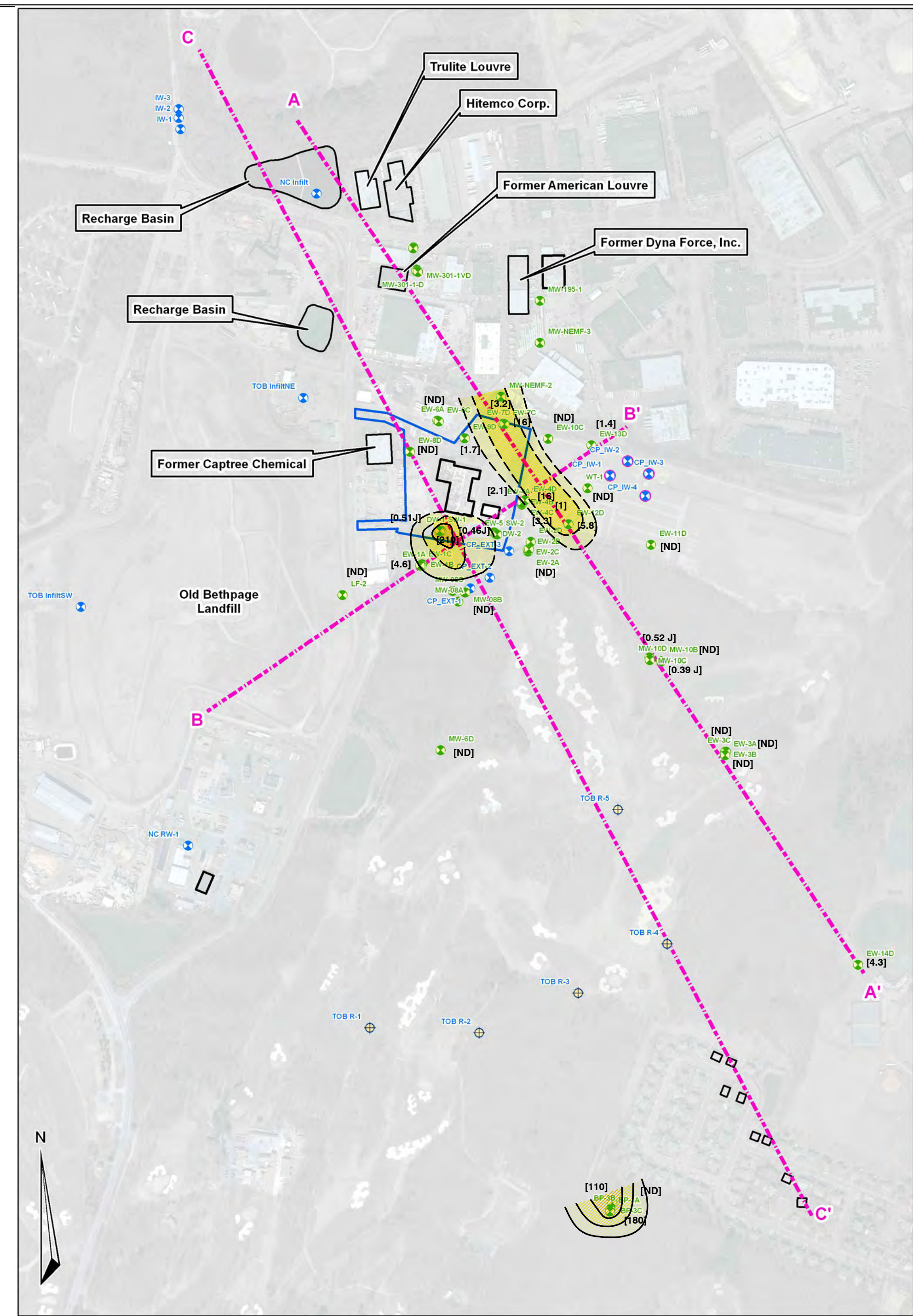
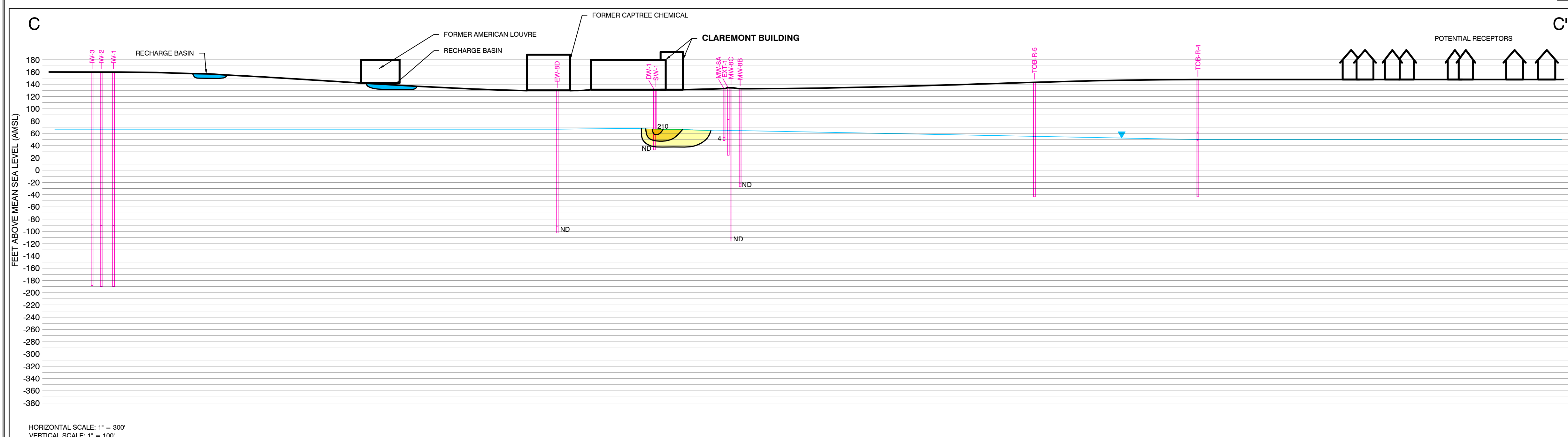
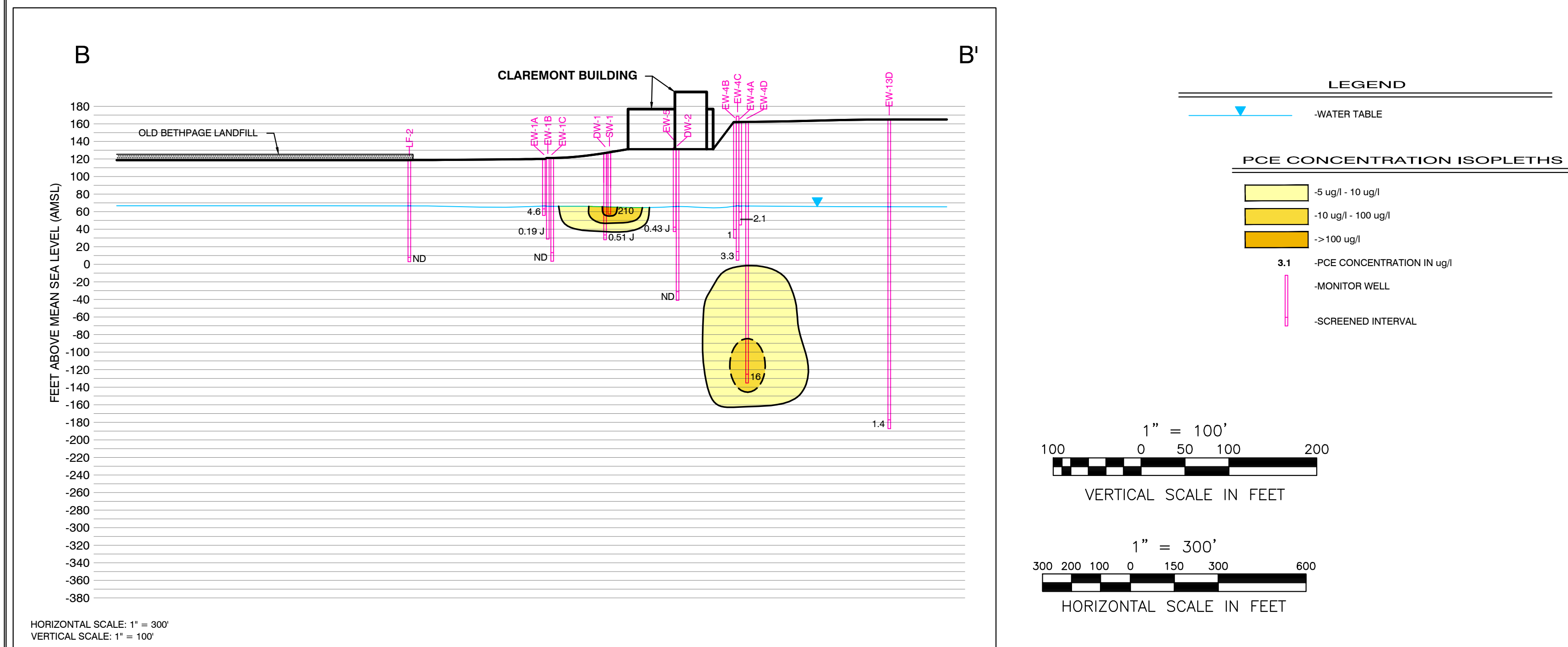
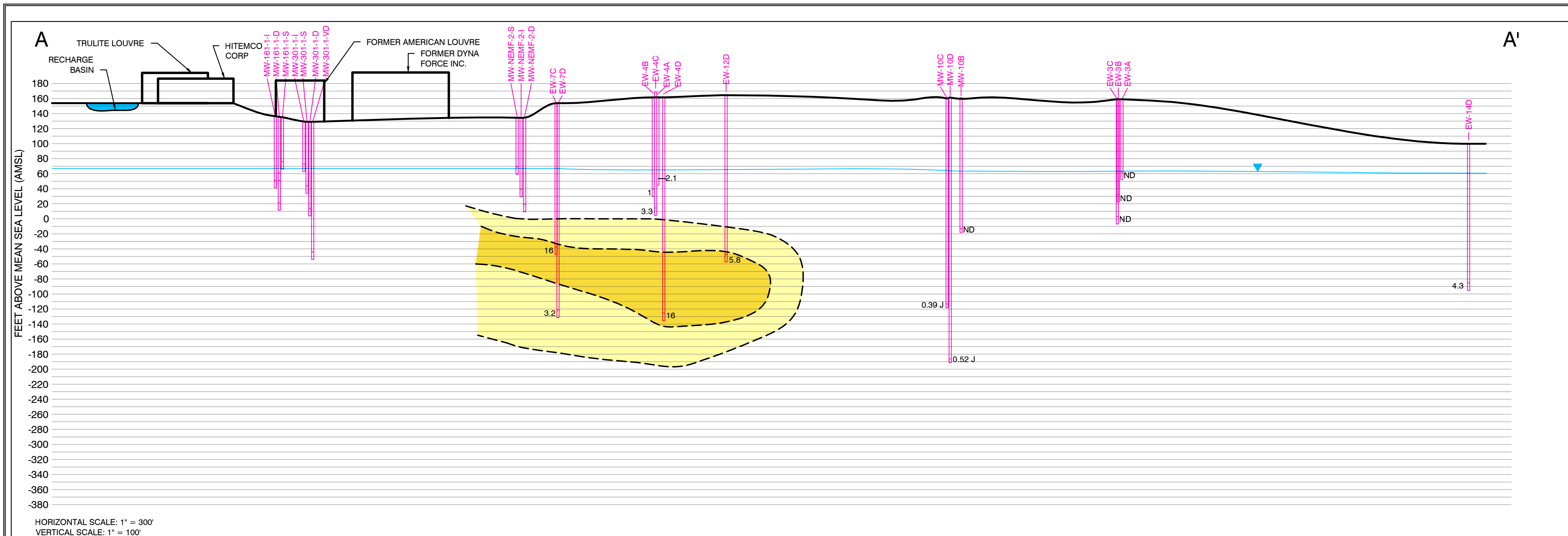
0 100 200 400
Ft

FIGURE

2

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community





TABLES

Table 1
Groundwater Elevation and Well Construction Data
Claremont Polychemical Superfund Site

Well ID	Northing (NAD27)	Easting (NAD27)	Well Diameter (inches)	Depth of Screened Interval (ft bgs)	Elev.of Screened Interval (ft AMSL)	Depth to Pump (ft bgs)	Well Depth (ft bgs)	March '15			June'15		
								Sample Date	Depth to Water Below Ref El ^b (ft)	Water Elevation (ft AMSL)	Sample Date	Depth to Water Below Ref El ^b (ft)	Water Elevation (ft AMSL)
BP-3A	190227.267	2155064.492	4	54 to 74	51 to 71	70	74.00	31-Mar-15	63.38	60.30	15-Jun	62.41	62.13
BP-3B	190244.367	2155068.492	4	215 to 235	-91 to -111	224	235.00	31-Mar-15	64.50	60.04	15-Jun	65.25	58.32
BP-3C	190276.367	2155078.492	4	280 to 300	-156 to -176	290	300.00	31-Mar-15	64.68	59.00	15-Jun	65.54	58.14
DW-1	194070.541	2154132.146	4	93.5 to 98.5	32.89 to 38.39	95	99.10	31-Mar-15	65.74	65.64	15-Jun	65.63	65.75
DW-2	194063.355	2154430.872	4	95 to 100	37.35 to 42.35	100	100.79	31-Mar-15	71.99	64.43	15-Jun	71.82	64.60
EW-1A	193873.779	2154019.942	4	65.17 to 75.00	53.34 to 63.17	75	76.50	31-Mar-15	64.55	65.45	15-Jun	64.39	65.61
EW-1B	193883.104	2154024.450	4	90.17 to 100.00	28.75 to 38.58	100	102.40	31-Mar-15	63.99	66.54	15-Jun	64.97	65.56
EW-1C	193876.735	2154013.250	4	115.17 to 125.00	3.43 to 13.26	125	127.50	31-Mar-15	64.95	65.49	15-Jun	64.83	65.61
EW-2A	193955.252	2154621.992	4	92.17 to 102.00	65.19 to 55.36	97	108.50	31-Mar-15	93.10	64.26	15-Jun	92.91	64.45
EW-2B	193968.144	2154627.191	4	120.17 to 130.00	28.74 to 38.57	125	129.50	31-Mar-15	93.30	64.43	15-Jun	93.13	64.60
EW-2C	193965.658	2154619.710	4	140.17 to 150.00	7.60 to 17.43	145	149.50	31-Mar-15	93.48	64.18	15-Jun	93.42	64.24
EW-2D	193975.500	2154636.500	2.5	291.1 to 301.1	-132.55 to -142.55	296	301.40	31-Mar-15	93.29	64.95	15-Jun	93.51	64.73
EW-3A	192803.360	2155737.476	4	95.17 to 105.00	52.28 to 62.11	103	106.00	31-Mar-15	96.81	62.14	15-Jun	96.75	62.20
EW-3B	192823.359	2155736.476	4	125.17 to 135.00	22.32 to 32.15	133	136.86	31-Mar-15	96.84	62.25	15-Jun	97.05	62.04
EW-3C	192822.360	2155742.476	4	154.17 to 164.00	2.99 to -6.84	162	165.85	31-Mar-15	96.70	62.25	15-Jun	96.87	62.08
EW-4A	194255.578	2154569.281	4	100.17 to 115	44.86 to 59.69	115	116.60	31-Mar-15	96.46	65.32	15-Jun	96.10	65.68
EW-4B	194249.291	2154569.137	4	120.17 to 130.00	29.8 to 39.63	130	131.72	31-Mar-15	96.49	65.31	15-Jun	96.16	65.64
EW-4C	194242.950	2154569.108	4	145.17 to 155.00	4.59 to 14.42	150	157.00	31-Mar-15	96.24	65.30	15-Jun	95.96	65.58
EW-4D	194268.565	2154585.597	2.5	285 to 295	-125.26 to -135.26	290	295.00	31-Mar-15	96.31	65.46	15-Jun	96.48	65.29
EW-5	194051.026	2154443.232	4	165.17 to 175.00	-31.16 to -40.99	170	178.87	31-Mar-15	71.18	65.80	15-Jun	71.23	65.75
EW-6A	194695.522	2154111.047	4	63.17 to 73.00	57.66 to 67.49	68	75.00	31-Mar-15	63.38	66.94	15-Jun	63.34	66.98
EW-6B	Abandoned		4	110.17 to 120.00	10.79 to 20.62	NA	NA	Abandoned			Abandoned		
EW-6C	194691.623	2154118.917	4	160.67 to 170.50	-29.60 to -39.43	164	168.00	31-Mar-15	63.67	66.73	15-Jun	63.78	66.62
EW-7C	194676.000	2154489.000	2.5	189.00 to 199.00	-37.47 to -47.47	194.7	199.50	31-Mar-15	87.36	66.43	16-Jun	87.49	66.30
EW-7D	194677.613	2154479.434	2.5	273.00 to 283.00	-121.47 to -131.47	278.2	283.50	31-Mar-15	87.28	66.43	16-Jun	87.42	66.29
EW-8D	194519.683	2153954.990	2.5	232.00 to 242.00	-102.49 to -112.49	237.5	242.50	31-Mar-15	64.97	66.57	15-Jun	65.13	66.41
EW-9D	194596.601	2154263.993	2.5	244.00 to 254.00	-108.6 to -118.6	249.8	254.50	31-Mar-15	71.25	66.28	15-Jun	71.22	66.31
EW-10C	194593.000	2154734.000	2.5	139.5 to 149.5	19.11 to 9.11	145	150.00	31-Mar-15	94.63	66.31	16-Jun	94.65	66.29
EW-11D	193993.198	2155316.978	2.5	270 to 280	-106.75 to -116.75	275	280.00	31-Mar-15	100.73	64.60	16-Jun	101.04	64.29
EW-12D	194110.000	2154849.000	2.5	209.5 to 219.5	-47.33 to -57.33	215	220.00	31-Mar-15	99.52	64.90	16-Jun	99.67	64.75
EW-13D	194557.000	2154979.000	2.5	340 to 350	-177.28 to -187.28	345	350.30	31-Mar-15	99.21	65.52	16-Jun	99.74	64.99
EW-14D	191632.016	2156477.193	2.5	185 to 195	-85.27 to -95.27	190	195.00	31-Mar-15	41.39	60.74	16-Jun	42.09	60.04
LF-02	193617.347	2153592.477	6	110 to 115	3 to 8	100	102.00	31-Mar-15	52.70	66.00	16-Jun	52.79	65.91
MW-6D	192831.355	2154128.481	4	185 to 190	-26.1 to -31.1	187	190.00	31-Mar-15	96.11	64.28	15-Jun	96.16	64.23
MW-8A	193670.718	2154228.598	4	85 to 90	48.5 to 53.5	NA	90.00	31-Mar-15	70.22	62.96	15-Jun	70.01	63.17
MW-8B	193723.370	2154266.420	4	155 to 160	-22.2 to -27.2	157	160.00	31-Mar-15	69.91	64.33	15-Jun	69.43	64.81
MW-8C	193723.373	2154266.424	4	245 to 250	-110.7 to -115.7	247	250.00	31-Mar-15	70.55	65.17	15-Jun	70.71	65.01
MW-10B	193334.083	2155374.785	4	173 to 178	-13 to -18	175	178.00	31-Mar-15	97.67	63.45	15-Jun	97.75	63.37
MW-10C	193355.184	2155308.330	4	273 to 278	-113.1 to -118.1	275	278.00	31-Mar-15	96.70	63.57	15-Jun	96.86	63.41
MW-10D	193341.537	2155310.126	4	346 to 351	-186.2 to -191.2	348	351.00	31-Mar-15	97.35	63.82	15-Jun	97.90	63.27
PPW-1	194341.106	2154124.530	12/10	300 to 330	-166.15 to -196.15	320	330	Permanently closed Oct. 2008			Permanently closed Oct. 2008		
RW-01	194259.860	2154065.580	Abandoned				157 - 170	Abandoned			Abandoned		
SW-1	194071.311	2154123.654	4	65 to 70	61.50 to 66.50	70	70.99	31-Mar-15	63.88	67.61	16-Jun	65.72	65.77
SW-2	194051.190	2154448.258	4	63 to 73	65.10 to 75.10	/d	73.11	dry			dry		
WT-01	194312.475	2154959.015	4	95.4 to 105.4	56.98 to 66.98	102	107.20	31-Mar-15	98.29	66.28	16-Jun	98.24	66.33

Table 2 Summary of Analytical Results
 June 2015 Sampling Event
 Claremont Polychemical Superfund Site - Site Code: #130015
 Old Bethpage, New York
 Groundwater Samples, Analyzed for EPA Method 8260C

WATER-8260B (ug/L)	CAS Number	NYSDEC Class GA Criteria	BP3A-CP-00-061815	BP3B-CP-00-061815	BP3C-CP-00-061815	DW1-CP-00-061815	DW2-CP-00-061815	EW01A-CP-00-061815	EW01B-CP-00-061815	EW01C-CP-00-061815	EW02A-CP-00-061815	EW02B-CP-00-061815	EW02C-CP-00-061815	EW02D-CP-00-061815	EW03A-CP-00-061815	EW03B-CP-00-061815	EW03C-CP-00-061815	EW04A-CP-00-061815	EW04B-CP-00-061815	EW04C-CP-00-061815	EW04D-CP-00-061815	EW05-CP-00-061815	EW06A-CP-00-061815
Sample Depth (ft.)			BP-3A	BP-3B	BP-3C	DW-1	DW-2	EW-01	EW-01B	EW-01C	EW-02A	EW-02B	EW-02C	EW-02D	EW-3A	EW-3B	EW-3C	EW-4A	EW-4B	EW-4C	EW-4D	EW-5	EW-6A
Date Collected			6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	
1,1,1-Trichloroethane	71-55-6	5	<1 U	0.75 J	0.58 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	0.77 J	2.9	<1 U	<1 U	<1 U
1,1,2-Trichloroethane	79-00-5	1	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
1,1,2-Trichlorofluoroethane (freon 113)	76-13-1	5	<1 U	<1 U	1.2	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
1,1-Dichloroethane	75-34-3	5	<1 U	<1 U	1.6	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	0.75 J	<1 U	<1 U	
1,1-Dichloroethylene	75-35-4	5	<1 U	0.36 J	0.38 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	0.5 J	<1 U	<1 U	<1 U	
1,2,3-Trichlorobenzene	87-61-6	5	<1 U	0.52 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
1,2,4-Trichlorobenzene	120-82-1	5	<1 U	0.53 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
1,2-Dichlorobenzene	95-50-1	3.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
1,2-Dichloroethane	107-06-2	0.6	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
1,4-Dichlorobenzene	106-46-7	3	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
1,4-Dioxane	123-91-1	NE	<50 U	24 J	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	
Acetone	67-64-1	50	14	<5 U	9.5	<5 U	17	<5 U	<5 U	12	<5 U	<5 U	<5 U	<5 U	11	<5 U	<5 U	13	11	44	11	<5 U	
Benzene	71-43-2	1	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
Bromodichloromethane	75-27-4	50	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
Bromoform	75-25-2	50	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
Chlorobenzene	108-90-7	5	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
Chloroform	67-66-3	7	<1 U	1.1	0.26 J	<1 U	<1 U	<1 U	<1 U	<1.26 J	<1 U	<1 U	<1 U	<1 U	0.46 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
Chloromethane	74-87-3	5	0.29 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
cis-1,2-Dichloroethylene	156-59-2	5	<1 U	6.2	88	0.39 J	<1 U	3.6	<1 U	<1 U	0.31 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	0.33 J	<1 U	1.2	<1 U	<1 U	
Cyclohexane	110-82-7	NE	0.3 J	1.8	1.2	0.85 J	1.1	<1 U	1.2	<1 U	0.67 J	<1 U	0.41 J	0.58 J	0.42 J	<1 U	0.42 J	0.42 J	<1 U	<1 U	<1 U	1.9	
Dibromochloromethane	124-48-1	50	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
Dichlorodifluoromethane	75-71-8	5	<1 U	2.5	1.1	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
Isopropylbenzene	98-82-8	5	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
m,p-Xylenes	179601-23-1	5	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
Methyltertbutyl ether	1634-04-4	10	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
o-Xylene	95-47-6	5	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
Tetrachloroethylene	127-18-4	5	<1 U	110	180	0.51 J	<1 U	4.6	0.19 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	2.1	1	3.3	16	0.46 J	
trans-1,2-Dichloroethylene	156-60-5	5	<1 U	0.48 J	0.73 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	2.3	<1 U	<1 U	
Trichloroethylene	79-01-6	5	<1 U	9	14	1.3	<1 U	1.9	0.83 J	1.2	0.56 J	<1 U	0.53 J	<1 U	<1 U	<1 U	0.29 J	<1 U	<1 U	26	<1 U	<1 U	
Trichlorofluoromethane	75-69-4	5	<1 U	0.25 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	0.18 J	<1 U	<1 U	<1 U	
Vinyl chloride	75-01-4	2	<1 U	0.69 J	0.26 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
WATER-8260B	CAS Number	NYSDEC Class GA Criteria	EW06C-CP-00-061815	EW07C-CP-00-061815	EW07D-CP-00-061815	EW08D-CP-00-061815	EW09D-CP-00-061815	EW10C-CP-00-061815	EW11D-CP-00-061815	EW12D-CP-00-061815	EW13D-CP-00-061815	EW14D-CP-00-061815	LF02-CP-00-061815	MW06D-CP-00-061815/5615	MW08A-CP-00-061815	MW08B-CP-00-061815	MW08C-CP-00-061815	MW10B-CP-00-061815	MW10C-CP-00-061815	MW10D-CP-00-061815	SWI-CP-00-061815	WT01-CP-00-061815	
Sample Depth (ft.)			EW-6C	EW-7C	EW-7D	EW-8D	EW-9D	EW-10C	EW-11D	EW-12D	EW-13D	EW-14D	LF-02	MW-6D	MW-8A	MW-8B	MW-8C	MW-10B	MW-10C	MW-10D	SW-1	WT-1	
Date Collected			6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	6/15/2015	
1,1,1-Trichloroethane	71-55-6	5	<1 U	1	<1 U	<1 U	<1 U	<1 U	<1 U	3.7	<1 U	35	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	
1,1,2-Trichloroethane	79-00-5	1	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	0.82 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U		
1,1,2-Trichlorofluoroethane (freon 113)	76-13-1	5	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	1.3	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U		
1,1-Dichloroethane	75-34-3	5	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	0.54 J	<1 U	0.65 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U		
1,1-Dichloroethylene	75-35-4	5	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	6.2	<1 U	32	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	0.46 J	<1 U		
1,2,3-Trichlorobenzene	87-61-6	5	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U		
1,2,4-Trichlorobenzene	120-82-1	5	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U		
1,2-Dichlorobenzene	95-50-1	3.0	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	0.97 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U		
1,2-Dichloroethane	107-06-2	0.6	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	7.7	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U		
1,4-Dichlorobenzene	106-46-7	3	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	2.5	0.72 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U		
1,4-Dioxane	123-91-1	NE	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U		
Acetone	67-64-1	50	19	12	<5 U	<5 U	<5 U	<5 U	<5 U	23	<5 U	<5 U	<5 U	12	<5 U	11	<5 U	11	17	6.7	<5 U		
Benzene	71-43-2	1	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	3	0.31 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U		
Bromodichloromethane	75-27-4	50	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U		
Bromoform	75-25-2	50	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U		
Chlorobenzene	108-90-7	5	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	2.6	0.59 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U		
Chloroform	67-66-3	7	<1 U	<1 U	0.39 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	1.3	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	0.78 J	<1 U		
Chloromethane	74-87-3	5	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	0.26 J	<1 U		
cis-1,2-Dichloroethylene	156-59																						

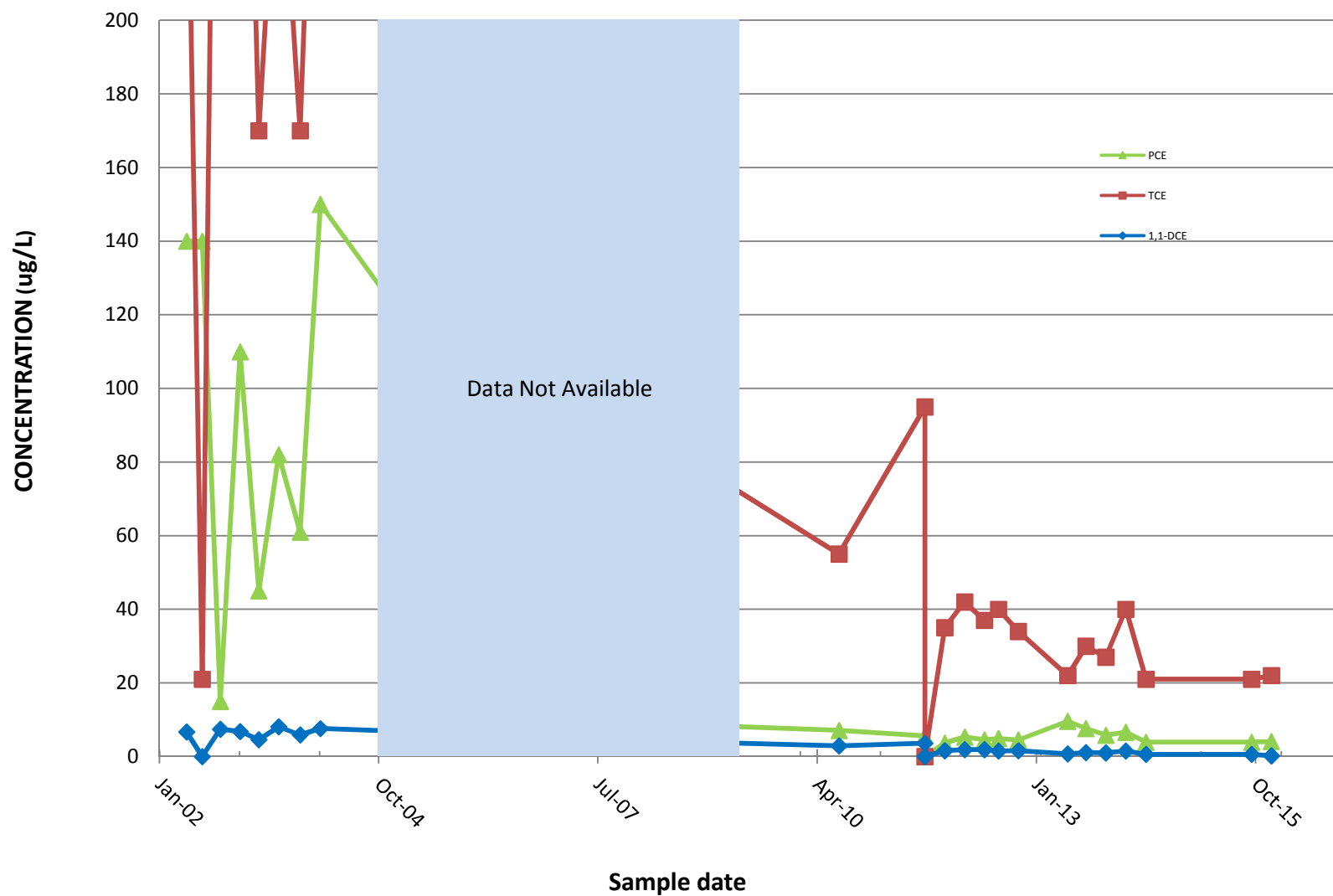
NYSDEC class GA criteria are from NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1). Ambient water quality, class GA standards/guidance values from Table 1.

Bold and Shaded - Sample Exceeds NYSDEC Class GA Criteria
Bold - Sample is above Non-Detect Value but Below NYSDEC Class GA
 CAS - Chemical Abstract Service
 ug/l - micrograms per liter
 < - Indicates the stated minimum detectable level exceeds a criteria.
 VOCs - Volatile Organic Compounds
 U - Indicates compound was analyzed for, but not detected.
 J - an estimated concentration

CHARTS

Chart 1: Groundwater Influent Concentration (PCE, TCE, and 1,1-DCE) vs. Time

June 2015 Sampling Event, Claremont Polychemical Superfund Site, Old Bethpage, NY
HRP#NEW9625.OM, Site Code: 130015, WA# D006130-19



June 2015 Sampling Event, Claremont Polychemical Superfund Site, Old Bethpage, NY
HRP#NEW9625.OM, Site Code: 130015, WA# D006130-19

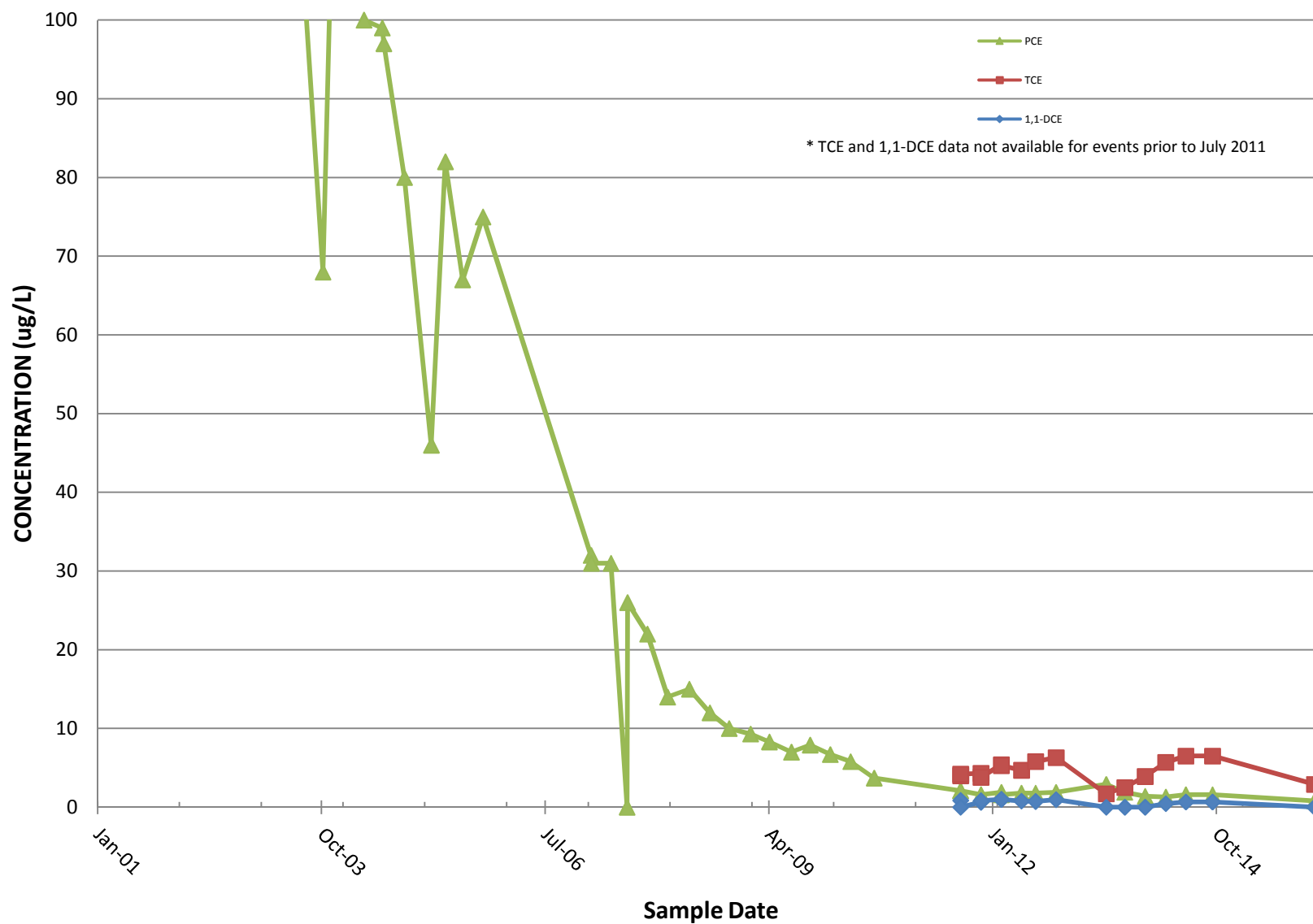


Chart 1b: EXT-2 Concentration (PCE, TCE, 1,1-DCE) vs Time

June 2015 Sampling Event, Claremont Polychemical Superfund Site, Old Bethpage, NY
HRP#NEW9625.OM, Site Code: 130015, WA# D006130-19

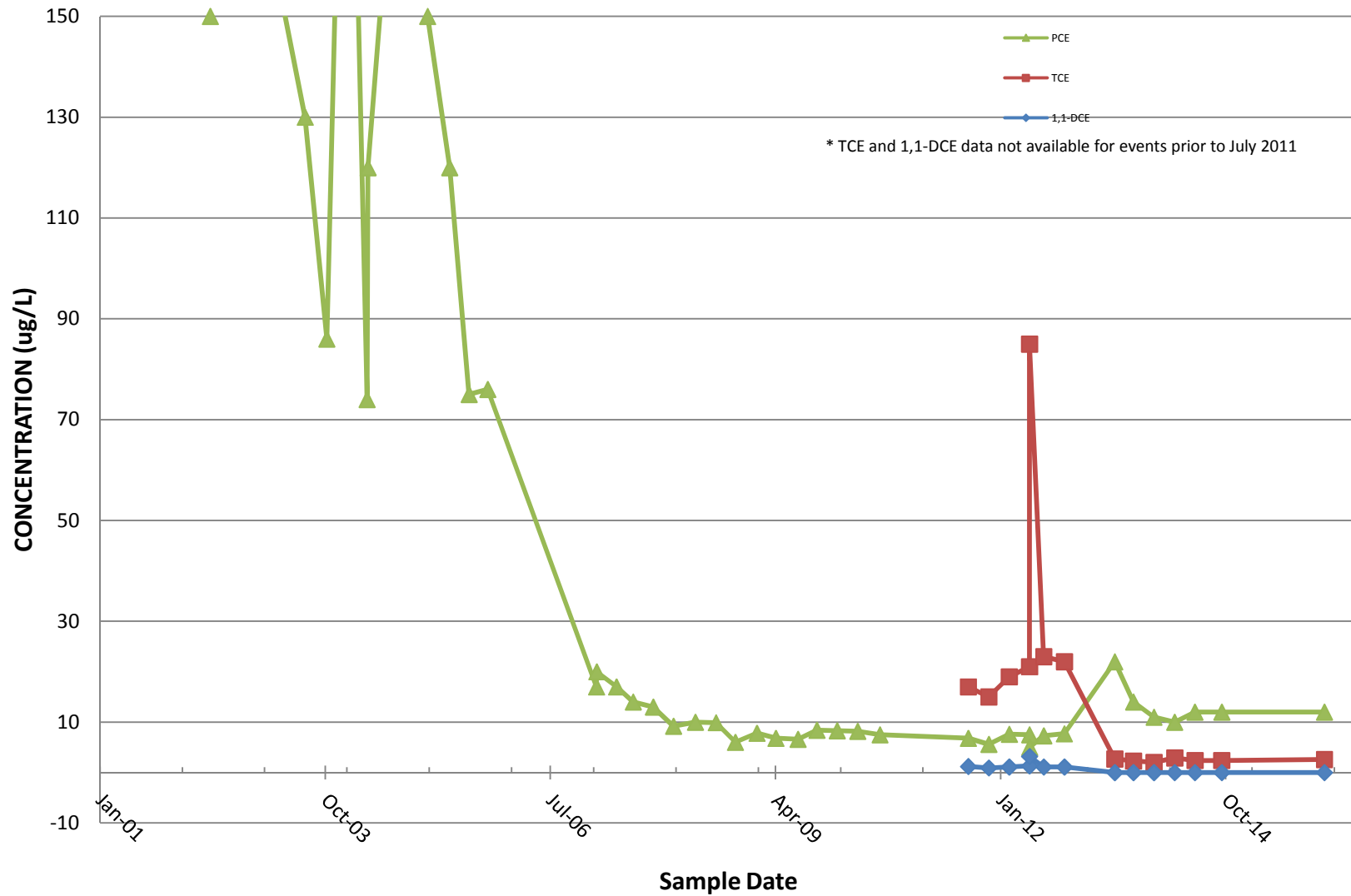


Chart 1c: EXT-3 Concentration (PCE, TCE, 1,1-DCE) vs Time

June 2015 Sampling Event, Claremont Polychemical Superfund Site, Old Bethpage, NY
HRP#NEW9625.OM, Site Code: 130015, WA# D006130-19

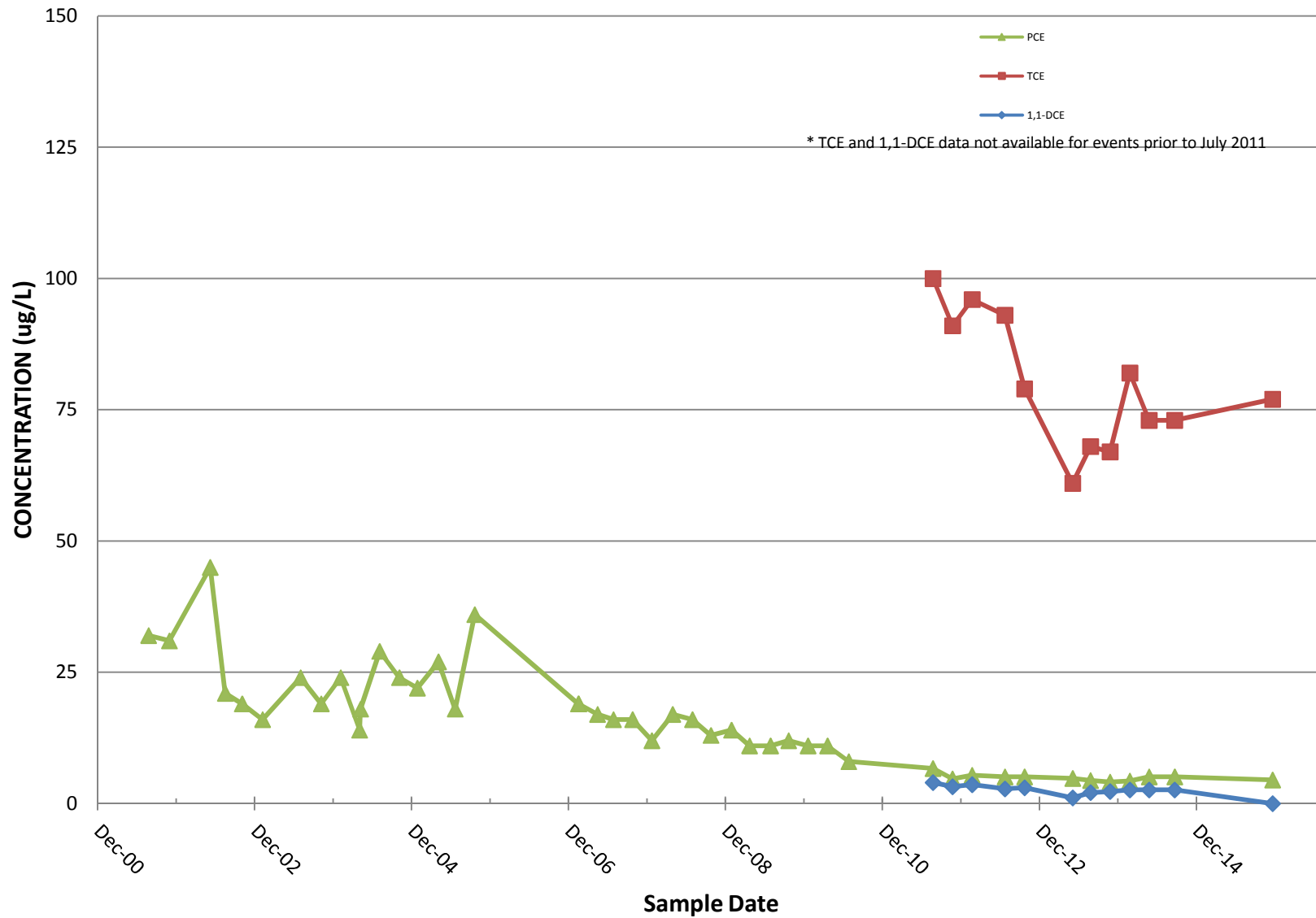


Chart 2: Groundwater Influent Concentration (Iron and Manganese) vs. Time

June 2015 Sampling Event, Claremont Polychemical Superfund Site, Old Bethpage, NY
HRP#NEW9625.OM, Site Code: 130015, WA# D006130-19

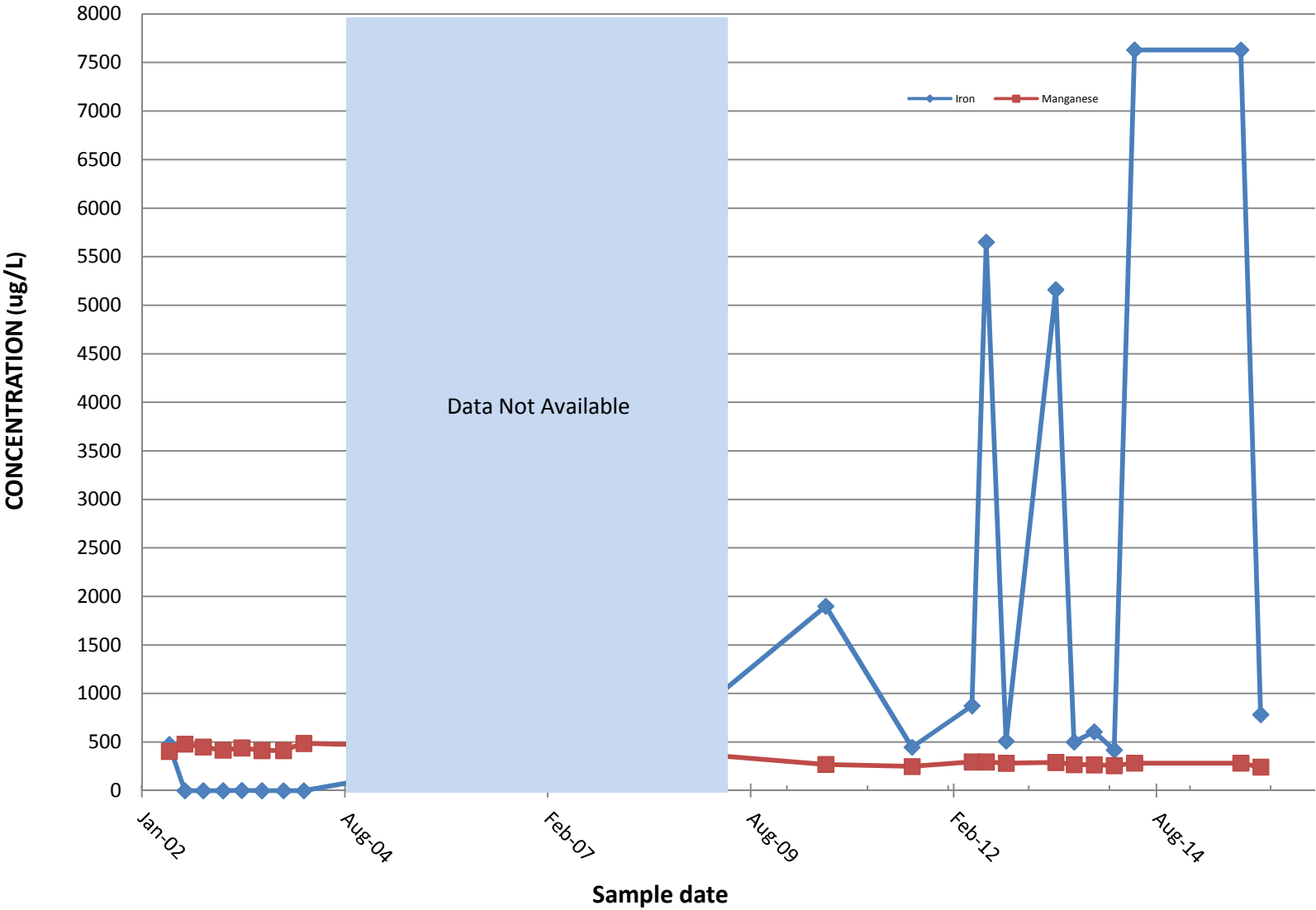


Chart 3: Treated Effluent Concentration (PCE, TCE, 1,1-DCE) vs Time

June 2015 Sampling Event, Claremont Polychemical Superfund Site, Old Bethpage, NY
HRP#NEW9625.OM, Site Code: 130015, WA# D006130-19

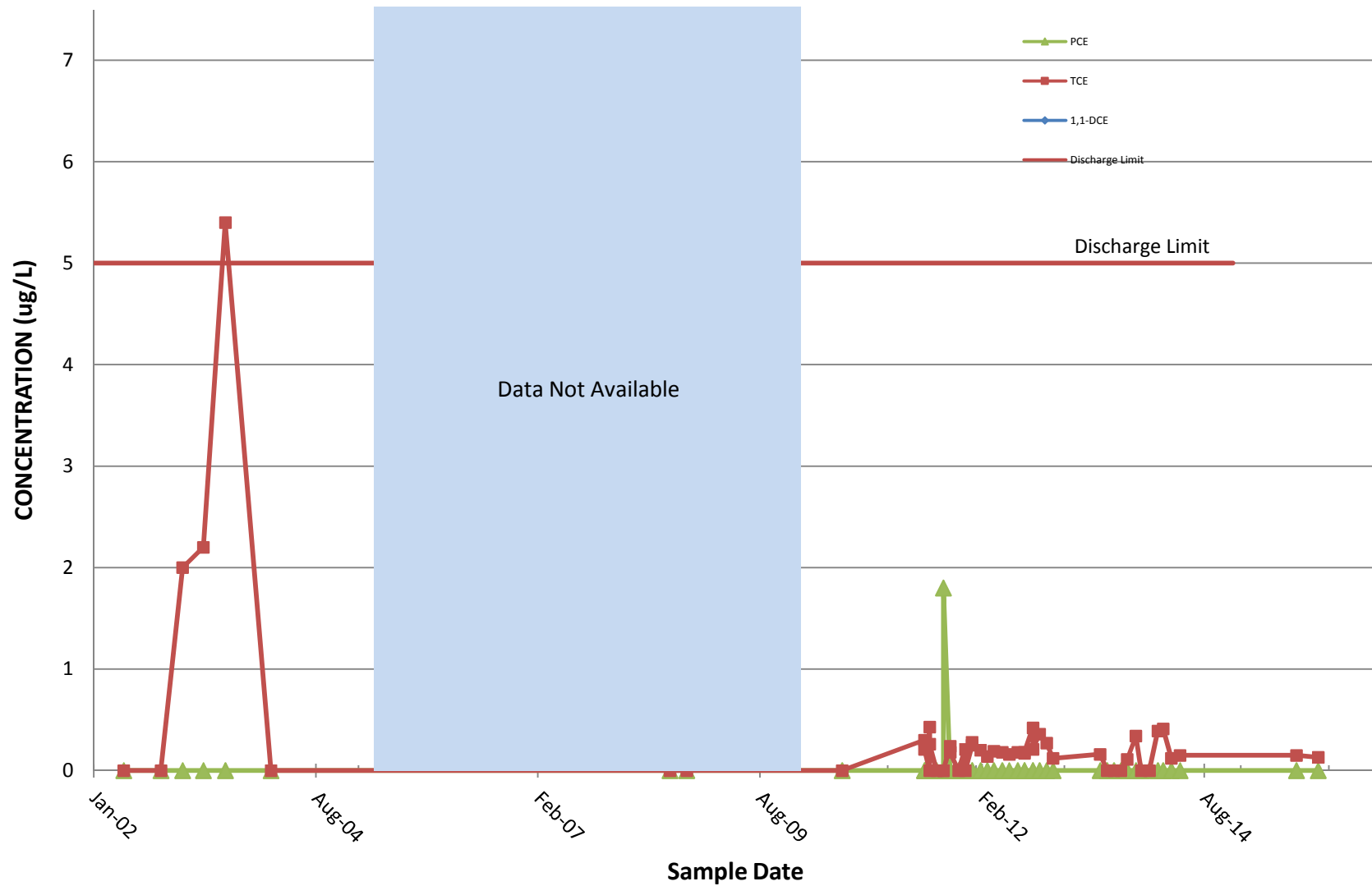


Chart 4: Treated System Effluent Concentration (Iron and Manganese) vs Time

June 2015 Sampling Event, Claremont Polychemical Superfund Site, Old Bethpage, NY
HRP#NEW9625.OM, Site Code: 130015, WA# D006130-19

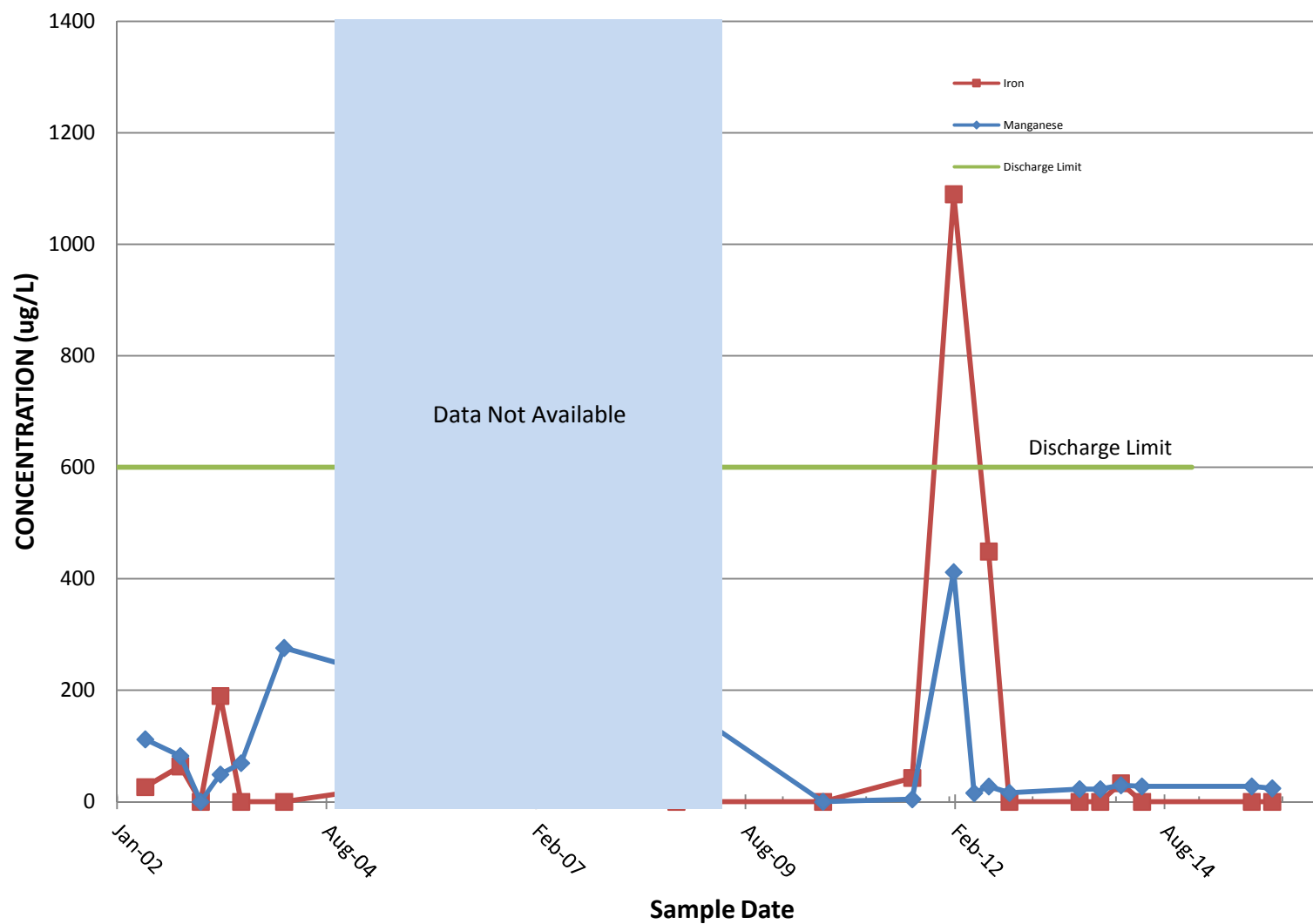


Chart 5: VOC Removal vs Time (PCE, TCE)

June 2015 Sampling Event, Claremont Polychemical Superfund Site, Old Bethpage, NY
HRP#NEW9625.OM, Site Code: 130015, WA# D006130-19

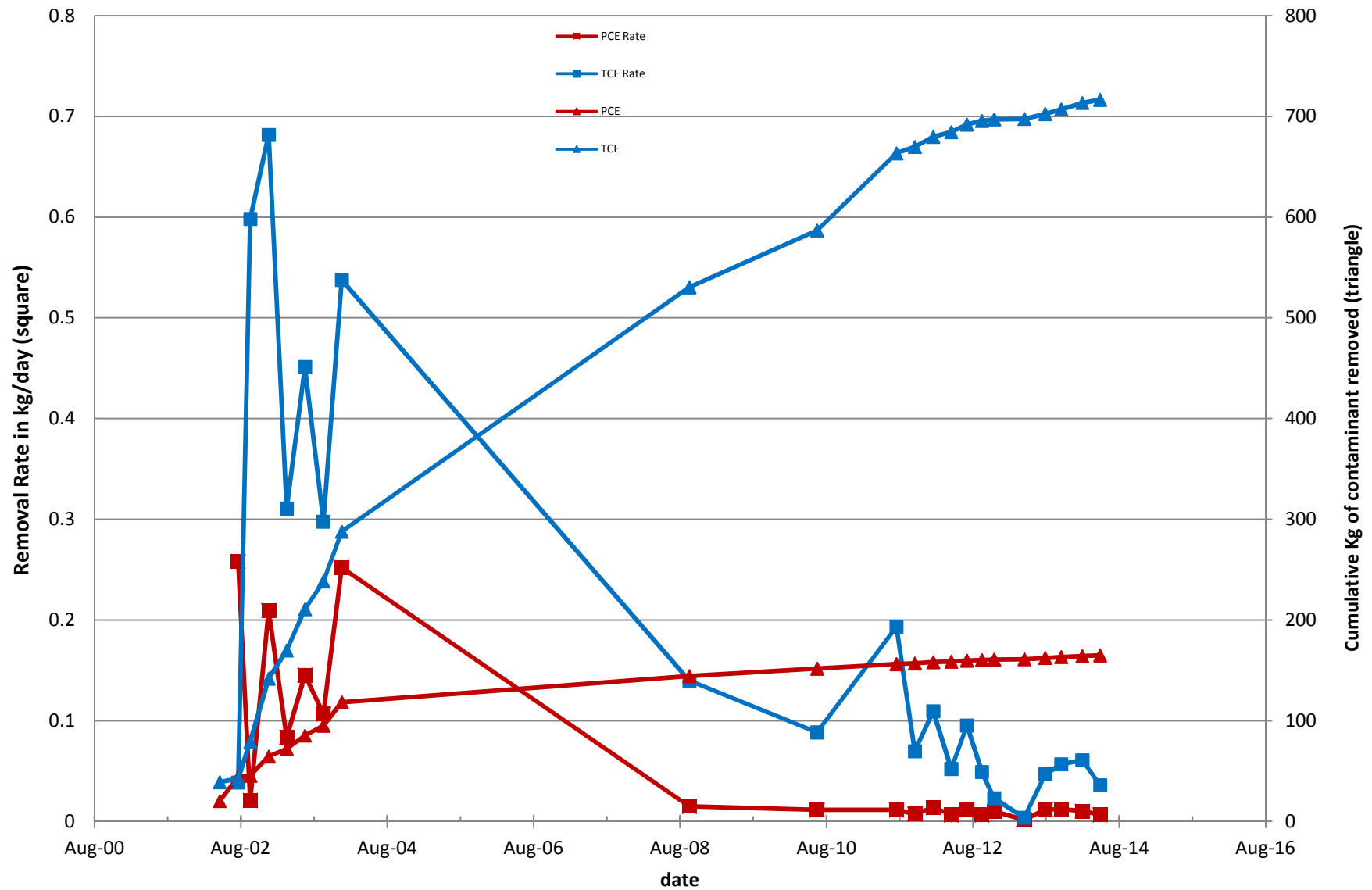


Chart 6a - PCE and TCE Concentrations In EW-1a

June 2015 Sampling Event, Claremont Polychemical Superfund Site, Old Bethpage, NY
HRP#NEW9625.OM, Site Code: 130015, WA# D006130-19

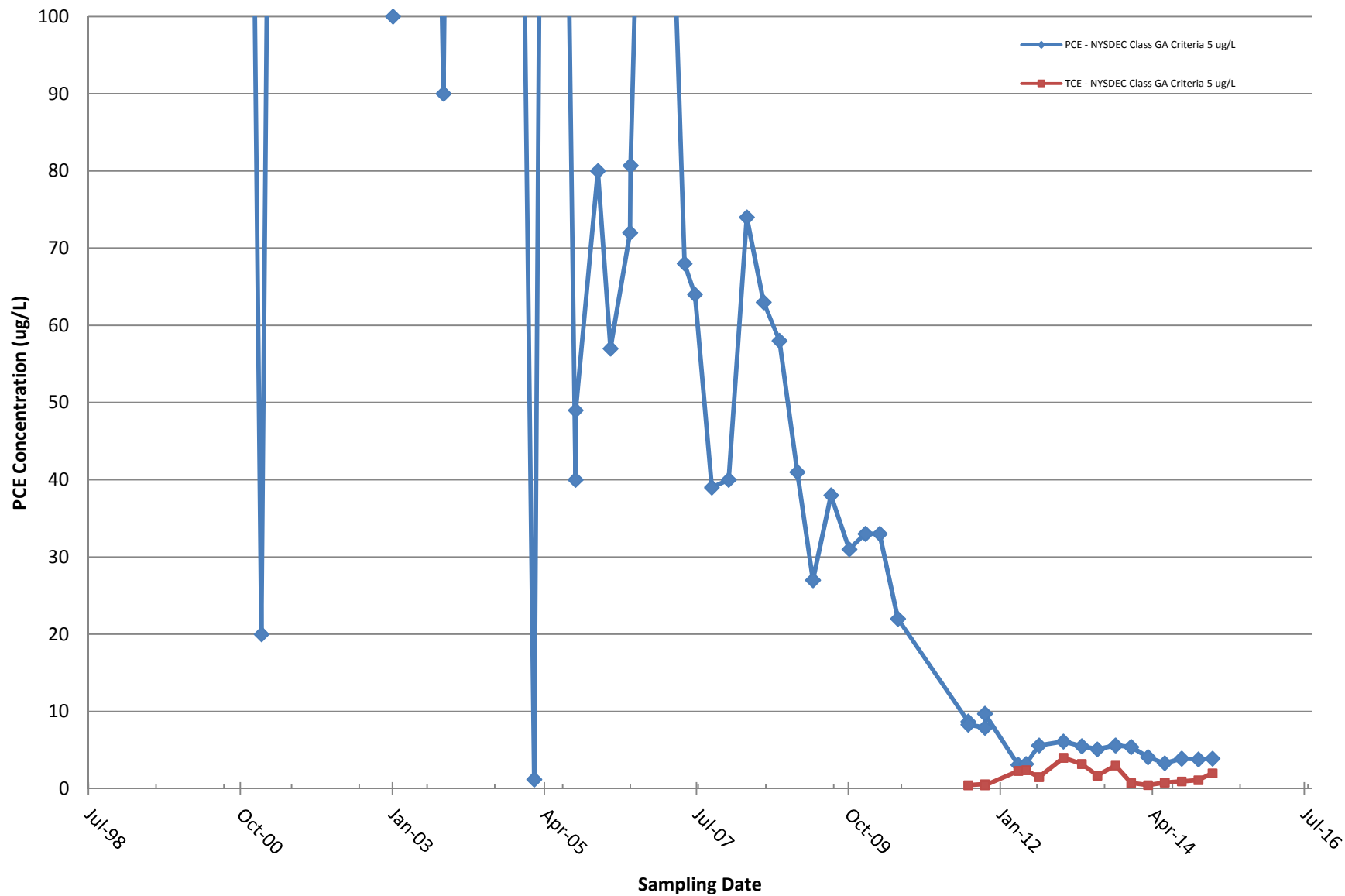
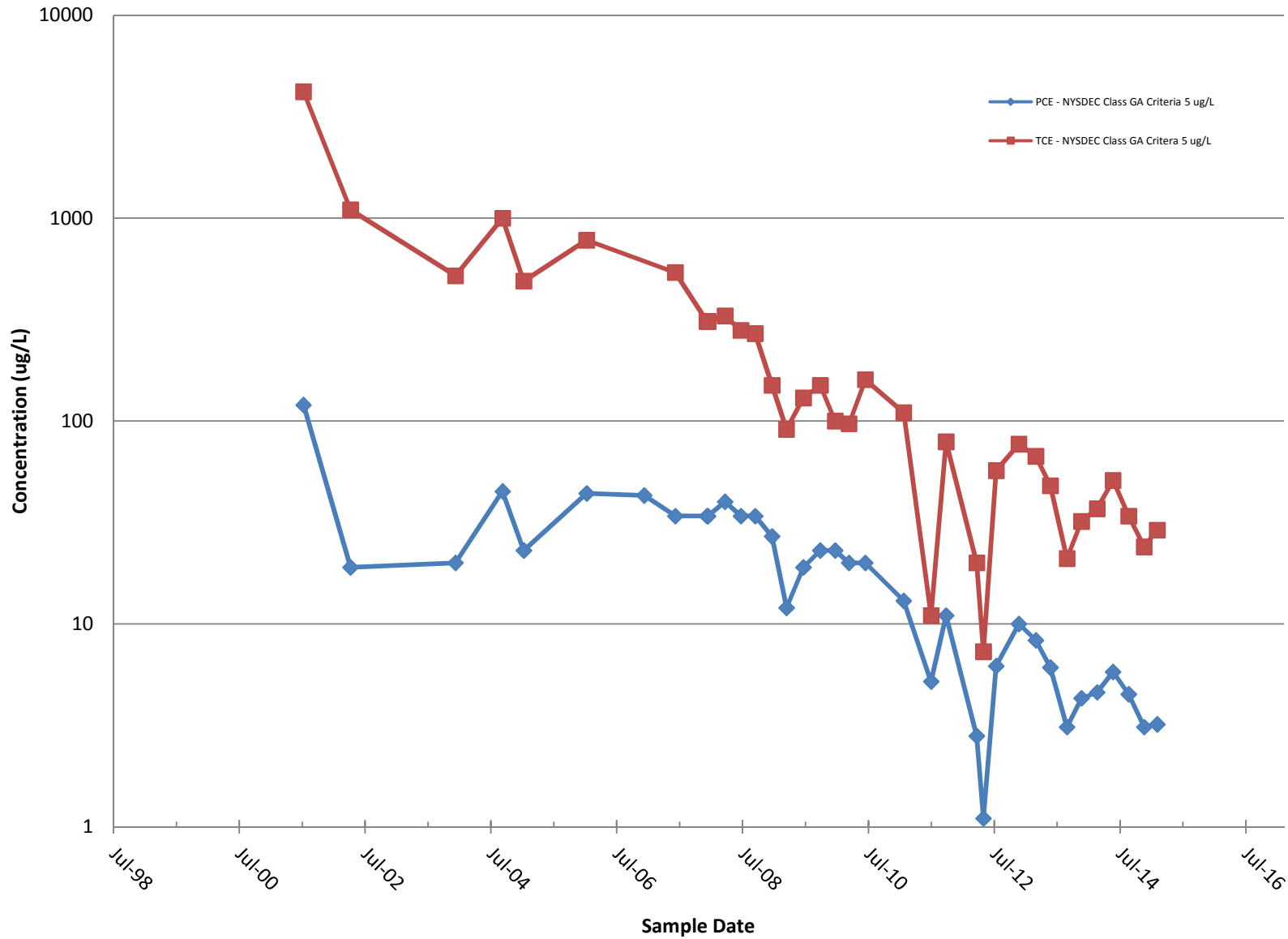


Chart 6b - PCE and TCE Concentrations in EW-4c

June 2015 Sampling Event, Claremont Polychemical Superfund Site, Old Bethpage, NY
HRP#NEW9625.OM, Site Code: 130015, WA# D006130-19



APPENDIX A
Groundwater Sample Log

ANALYTICAL REPORT

Job Number: 460-94855-1

Job Description: DEC Claremont Polychemical- SiteNo130015

For:
New York State D.E.C.
625 Broadway
12th Floor
Albany, NY 12233-7017
Attention: Mr. Benjamin W Rung



Approved for release.
Sarah E Brown
Project Management Assistant II
5/27/2015 8:49 AM

Designee for
Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
05/27/2015

cc: Ms. Nancy Garry
Jennifer R. Kotch
Jenny Mooney
Peter Takach

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

TestAmerica Laboratories, Inc.

TestAmerica Edison 777 New Durham Road, Edison, NJ 08817
Tel (732) 549-3900 Fax (732) 549-3679 www.testamericainc.com



Job Number: 460-94855-1

Job Description: DEC Claremont Polychemical- SiteNo130015

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

A handwritten signature in cursive script, reading "Sarah E. Brown". The signature is written in black ink and is positioned above a horizontal line.

Approved for release.
Sarah E Brown
Project Management Assistant II
5/27/2015 8:49 AM

Designee for
Melissa Haas

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CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC Claremont Polychemical- SiteNo130015

Report Number: 460-94855-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 5/14/2015 5:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.6° C and 3.9° C.

Except:

The following BNA sample was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): PW07B-CP-00-051415 (460-94855-10). The client was contacted and confirmed this sample should be analyzed for BNA.

The sample collection times used for the following samples were those listed in the Collection Time column of the COC: PD09-CP-00-051415 (460-94855-5), 460-94855-5 DU, 460-94855-5 MS, 460-94855-5 MSD, PD09-CP-01-051415 (460-94855-6). The sampler indicated in the Comment section of the COC that the hexavalent chromium samples were collected at 10:20; however, only one collection time per sample can be used. The client was notified.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANICS

Samples EX1-CP-00-051415 (460-94855-1), EX1-CP-01-051415 (460-94855-2), EX2-CP-00-051415 (460-94855-3), EX3-CP-00-051415 (460-94855-4), PD09-CP-00-051415 (460-94855-5), PW02-CP-00-051415 (460-94855-7), PW06-CP-00-051415 (460-94855-9), PW07B-CP-00-051415 (460-94855-10) and TB-CP-QC-051415 (460-94855-12) were analyzed for Volatile organics in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 05/22/2015 and 05/23/2015.

The continuing calibration verification (CCV) associated with batch 300464 recovered above the upper control limits for the following analytes: Vinyl chloride, Dichlorodifluoromethane, Chloromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Refer to the QC report for details.

No other difficulties were encountered during the Volatile organics analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples PD09-CP-00-051415 (460-94855-5), PD09-CP-01-051415 (460-94855-6), PW06-CP-00-051415 (460-94855-9) and PW07B-CP-00-051415 (460-94855-10) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 05/15/2015 and 05/20/2015 and analyzed on 05/25/2015 and 05/26/2015.

A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for five analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 298867 had four analytes (Indeno[1,2,3-cd]pyrene, Pyrene, Benzo[a]pyrene, Dibenz(a,h)anthracene) outside control limits and the LCSD had three analytes (Pyrene, Benzo[b]fluoranthene,

Benzo[a]pyrene) outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch 299749 recovered outside control limits for the following analytes: N-Nitrosodi-n-propylamine, 2,2'-oxybis[1-chloropropane]. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) associated with batch 299749 contained one acid/base surrogate (Terphenyl-d14) outside acceptance limits. The laboratory's SOP allows one acid and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained one surrogate compound (Terphenyl-d14) outside limits: PW07B-CP-00-051415 (460-94855-10). These results have been reported and qualified.

The continuing calibration verification (CCV) analyzed in batch 299127 was outside the method criteria for the following analytes: 4-Nitrophenol, Indeno[1,2,3-cd]pyrene, Di-n-butyl phthalate, Dibenz(a,h)anthracene, Benzo[g,h,i]perylene, Hexachlorocyclopentadiene, Caprolactam, 4-Nitroaniline. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 300593 was outside the method criteria for the following analytes: 4-Nitrophenol, Bis(2-chloroethyl)ether, Pyrene, Hexachlorocyclopentadiene, Terphenyl-d14. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 299934 was outside the method criteria for the following analytes: 2,4-Dinitrotoluene, Dibenz(a,h)anthracene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 300751 was outside the method criteria for the following analytes: 2,4-Dinitrophenol, Pyrene, Terphenyl-d14, Bis(2-chloroethyl)ether. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

METALS

Samples EX1-CP-00-051415 (460-94855-1), EX1-CP-01-051415 (460-94855-2), EX2-CP-00-051415 (460-94855-3), EX3-CP-00-051415 (460-94855-4), PD09-CP-00-051415 (460-94855-5), PW02-CP-00-051415 (460-94855-7) and PW07B-CP-00-051415 (460-94855-10) were analyzed for Metals in accordance with EPA SW-846 6010C. The samples were prepared on 05/22/2015 and analyzed on 05/23/2015.

No difficulties were encountered during the Metals analysis.

All quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM

Samples PD09-CP-00-051415 (460-94855-5) and PD09-CP-01-051415 (460-94855-6) were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 7196A. The samples were analyzed on 05/15/2015.

No difficulties were encountered during the hexchrome Cr6 analysis.

All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS

Samples PD09-CP-00-051415 (460-94855-5), PW02-CP-00-051415 (460-94855-7) and PW02-CP-01-051415 (460-94855-8) were analyzed for total dissolved solids in accordance with SM 2540C. The samples were analyzed on 05/15/2015.

No difficulties were encountered during the TDS analysis.

All quality control parameters were within the acceptance limits.

TOTAL SUSPENDED SOLIDS

Samples EX1-CP-00-051415 (460-94855-1), EX1-CP-01-051415 (460-94855-2), EX2-CP-00-051415 (460-94855-3), EX3-CP-00-051415 (460-94855-4), PW02-CP-00-051415 (460-94855-7) and PW07B-CP-00-051415 (460-94855-10) were analyzed for total suspended solids in accordance with SM 2540D. The samples were analyzed on 05/18/2015.

No difficulties were encountered during the TSS analysis.

All quality control parameters were within the acceptance limits.

ANIONS

Samples PD09-CP-00-051415 (460-94855-5) and PD09-CP-01-051415 (460-94855-6) were analyzed for anions in accordance with EPA Method 300_ORGFM_28D Anions by Ion Chromatograph. The samples were analyzed on 05/15/2015.

Chloride failed the recovery criteria high for the MS and MSD of sample 460-94855-5 in batch 460-298769.

Refer to the QC report for details.

Samples PD09-CP-00-051415 (460-94855-5)[50X] and PD09-CP-01-051415 (460-94855-6)[50X] required dilution prior to analysis to bring the concentration of target analytes within the calibration range. Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the anions analysis.

All other quality control parameters were within the acceptance limits.

TOTAL KJELDAHL NITROGEN

Samples PD09-CP-00-051415 (460-94855-5) and PD09-CP-01-051415 (460-94855-6) were analyzed for total kjeldahl nitrogen in accordance with EPA Method 351.2. The samples were prepared on 05/19/2015 and analyzed on 05/20/2015.

No difficulties were encountered during the TKN analysis.

All quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON

Samples PW07B-CP-00-051415 (460-94855-10) and PW07B-CP-01-051415 (460-94855-11) were analyzed for Total Organic Carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 05/21/2015.

No difficulties were encountered during the TOC analysis.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: New York State D.E.C.

Job Number: 460-94855-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-94855-1	EX1-CP-00-051415	Water	05/13/2015 0835	05/14/2015 1720
460-94855-1MS	EX1-CP-00-051415	Water	05/13/2015 0835	05/14/2015 1720
460-94855-1DU	EX1-CP-00-051415	Water	05/13/2015 0835	05/14/2015 1720
460-94855-2	EX1-CP-01-051415	Water	05/13/2015 0840	05/14/2015 1720
460-94855-3	EX2-CP-00-051415	Water	05/13/2015 1005	05/14/2015 1720
460-94855-4	EX3-CP-00-051415	Water	05/13/2015 1110	05/14/2015 1720
460-94855-5	PD09-CP-00-051415	Water	05/14/2015 0720	05/14/2015 1720
460-94855-5MS	PD09-CP-00-051415	Water	05/14/2015 0720	05/14/2015 1720
460-94855-5MSD	PD09-CP-00-051415	Water	05/14/2015 0720	05/14/2015 1720
460-94855-5DU	PD09-CP-00-051415	Water	05/14/2015 0720	05/14/2015 1720
460-94855-6	PD09-CP-01-051415	Water	05/14/2015 0725	05/14/2015 1720
460-94855-7	PW02-CP-00-051415	Water	05/14/2015 0645	05/14/2015 1720
460-94855-8	PW02-CP-01-051415	Water	05/14/2015 0650	05/14/2015 1720
460-94855-9	PW06-CP-00-051415	Water	05/14/2015 0655	05/14/2015 1720
460-94855-10	PW07B-CP-00-051415	Water	05/14/2015 0700	05/14/2015 1720
460-94855-10MS	PW07B-CP-00-051415	Water	05/14/2015 0700	05/14/2015 1720
460-94855-10MSD	PW07B-CP-00-051415	Water	05/14/2015 0700	05/14/2015 1720
460-94855-11	PW07B-CP-01-051415	Water	05/14/2015 0705	05/14/2015 1720
460-94855-12TB	TB-CP-QC-051415	Water	05/14/2015 0755	05/14/2015 1720

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C.

Job Number: 460-94855-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-94855-1	EX1-CP-00-051415					
1,1-Dichloroethene		0.43	J	1.0	ug/L	8260C
cis-1,2-Dichloroethene		2.6		1.0	ug/L	8260C
1,1,1-Trichloroethane		0.29	J	1.0	ug/L	8260C
Trichloroethene		6.0		1.0	ug/L	8260C
Tetrachloroethene		4.5		1.0	ug/L	8260C
Methyl tert-butyl ether		0.30	J	1.0	ug/L	8260C
Barium		89.3	J	200	ug/L	6010C
Iron		1630		150	ug/L	6010C
Manganese		423		15.0	ug/L	6010C
Total Suspended Solids		2.3		1.1	mg/L	SM 2540D
460-94855-2	EX1-CP-01-051415					
1,1-Dichloroethene		0.43	J	1.0	ug/L	8260C
cis-1,2-Dichloroethene		2.6		1.0	ug/L	8260C
Trichloroethene		5.8		1.0	ug/L	8260C
Tetrachloroethene		4.7		1.0	ug/L	8260C
Methyl tert-butyl ether		0.29	J	1.0	ug/L	8260C
Barium		90.1	J	200	ug/L	6010C
Iron		1410		150	ug/L	6010C
Manganese		427		15.0	ug/L	6010C
Total Suspended Solids		2.2		1.0	mg/L	SM 2540D
460-94855-3	EX2-CP-00-051415					
cis-1,2-Dichloroethene		0.59	J	1.0	ug/L	8260C
Trichloroethene		1.4		1.0	ug/L	8260C
Tetrachloroethene		0.53	J	1.0	ug/L	8260C
Methyl tert-butyl ether		0.23	J	1.0	ug/L	8260C
Barium		66.9	J	200	ug/L	6010C
Iron		366		150	ug/L	6010C
Manganese		140		15.0	ug/L	6010C
Selenium		7.1	J	20.0	ug/L	6010C

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C.

Job Number: 460-94855-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-94855-4	EX3-CP-00-051415					
1,1-Dichloroethene		1.2		1.0	ug/L	8260C
1,1-Dichloroethane		0.28	J	1.0	ug/L	8260C
cis-1,2-Dichloroethene		2.8		1.0	ug/L	8260C
Trichloroethene		43		1.0	ug/L	8260C
Tetrachloroethene		4.6		1.0	ug/L	8260C
Methyl tert-butyl ether		0.46	J	1.0	ug/L	8260C
Barium		89.6	J	200	ug/L	6010C
Iron		1460		150	ug/L	6010C
Manganese		218		15.0	ug/L	6010C
Lead		15.5		10.0	ug/L	6010C
Total Suspended Solids		11.2		1.1	mg/L	SM 2540D
460-94855-5	PD09-CP-00-051415					
Barium		84.3	J	200	ug/L	6010C
Manganese		151		15.0	ug/L	6010C
Nitrogen, Kjeldahl		0.21		0.20	mg/L	351.2
Total Dissolved Solids		373		10.0	mg/L	SM 2540C
Chloride		125		6.00	mg/L	300.0
Sulfate		29.8		0.60	mg/L	300.0
460-94855-6	PD09-CP-01-051415					
Nitrogen, Kjeldahl		0.28		0.20	mg/L	351.2
Chloride		127		6.00	mg/L	300.0
Sulfate		29.8		0.60	mg/L	300.0
460-94855-7	PW02-CP-00-051415					
1,1-Dichloroethene		0.95	J	1.0	ug/L	8260C
cis-1,2-Dichloroethene		2.6		1.0	ug/L	8260C
1,1,1-Trichloroethane		0.63	J	1.0	ug/L	8260C
Trichloroethene		32		1.0	ug/L	8260C
Tetrachloroethene		5.0		1.0	ug/L	8260C
Methyl tert-butyl ether		0.38	J	1.0	ug/L	8260C
Barium		86.4	J	200	ug/L	6010C
Iron		293		150	ug/L	6010C
Manganese		263		15.0	ug/L	6010C
Total Dissolved Solids		307		10.0	mg/L	SM 2540C
460-94855-8	PW02-CP-01-051415					
Total Dissolved Solids		354		10.0	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C.

Job Number: 460-94855-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-94855-9	PW06-CP-00-051415					
1,1-Dichloroethene		0.66	J	1.0	ug/L	8260C
cis-1,2-Dichloroethene		2.2		1.0	ug/L	8260C
1,1,1-Trichloroethane		0.41	J	1.0	ug/L	8260C
Trichloroethene		23		1.0	ug/L	8260C
Tetrachloroethene		3.1		1.0	ug/L	8260C
Methyl tert-butyl ether		0.37	J	1.0	ug/L	8260C
460-94855-10	PW07B-CP-00-051415					
Barium		83.5	J	200	ug/L	6010C
Manganese		155		15.0	ug/L	6010C
Total Organic Carbon		0.93	J	1.0	mg/L	9060A
460-94855-11	PW07B-CP-01-051415					
Total Organic Carbon		0.96	J	1.0	mg/L	9060A
460-94855-12TB	TB-CP-QC-051415					
Chloroform		1.1		1.0	ug/L	8260C
Bromodichloromethane		1.7		1.0	ug/L	8260C
Trichloroethene		0.66	J	1.0	ug/L	8260C
Dibromochloromethane		3.1		1.0	ug/L	8260C
Bromoform		2.6		1.0	ug/L	8260C
Tetrachloroethene		0.16	J	1.0	ug/L	8260C