*2016 Periodic Review Report*

# Former Utility Platers and Kingston Diagnostics
# BCP No. C356035

## Schwenck Drive and Washington Avenue
## City of Kingston, Ulster County, New York
## Site County, New York

May 2016

Chazen Project No. 41103.00

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Prepared for:

New York State Department of Environmental Conservation
Division of Environmental Remediation, 11th Fl
625 Broadway
Albany, New York 12233

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## 1.0 EXECUTIVE SUMMARY

On behalf of Woodhaven National Management, LLC, The Chazen Companies, Inc. (Chazen) provides Operations, Maintenance, and Monitoring (OM&M) support for existing remedial systems at the former Utility Platters, Inc./Kingston Diagnostics facility in Kingston, New York (the "Site"). The Site is identified as Brownfield Cleanup Program (BCP) Site No. C356035 and currently houses a CVS pharmacy. A Site Location Map is included as **Figure 1**.

This Periodic Review Report summarizes site conditions and recent on-site treatment system data with respect to the Remedial Action Objectives for the Site and the results, analysis, and conclusions for system operations parameters data and environmental media sampling, collected for the period April 19, 2015 through April 19, 2016. The Site Management Periodic Review Report Notice and Institutional and Engineering Controls Certification Form, signed appropriately, are attached in Appendix B.

### 1.1 Remedial History

The remedy for this site included the 2009 removal of volatile organic compound (VOC) impacted soils from beneath the former on-site Utility Platers building and adjacent areas, the closure and removal of three fuel oil underground storage tanks (USTs) and related petroleum impacted soil, the installation of a sub-slab depressurization (SSDS) system beneath the constructed CVS building, and construction of an impermeable site soil cover system.

### 1.2 Effectiveness of Remedial Program

- Source soil was removed in 2009. Remaining VOC concentrations in soils at the excavation margin were mostly below Part 375 Restricted Residential Use (RRU) Soil Cleanup Objectives (SCOs).
- VOC impacts persist in site groundwater with only limited exceedences of groundwater quality standards in downgradient well MW-2.
    - Only "J" detections of TCE have been recorded in downgradient well MW-2 throughout the post-remedial period, and 1,2-DCE and Vinyl Chlroride have remained stable in low concentrations in this monitoring location.
    - The highest site dissolved VOCs persist in monitoring well MW-1. TCE, 1,2-DCE and Vinyl Chloride concentrations all declined sharply following source soil excavation but have now returned to the range of prior concentrations.
    - No VOCs had initially been detected in cross-gradient well MW-5, but TCE has been recorded since 2011 and 1,2-DCE since 2013. Concentrations of these compounds had been increasing, but March 2016 samples identified modest decreases.
- Post-remedy indoor air sampling was not conducted in March 2016, as per a June 2015 letter from the NYSDEC reducing the frequency of these samples to once every five years. The next indoor air quality sample will be collected in March 2020.
- The site cover system remains in place to prevent human or ecological contact with soils or groundwater. The cover system consists of a building footprint and pavement.

### 1.3 Compliance

The active SSDS has been operating as intended/designed, no breaching of the impermeable soil cover has been observed, and groundwater monitoring wells remain operational. The SSDS system was operating normally during both site inspections conducted during this monitoring period.

### 1.4 Recommendations

Chazen recommends continued monitoring of the three remaining wells (MW-1, MW-2 and MW-5) in accordance with the current monitoring and inspection schedule, sufficient to monitor the continuing VOC attenuation occurring at this Site. Monitoring wells MW-3 and MW-4 have been decommissioned with NYSDEC concurrence.

The SSDS appears to be functioning as designed/expected and no alterations are recommended at this time. As the required frequency of air quality sampling has been reduced to once every five years per the schedule defined in the SMP, the next air quality sample is due in March/April 2020.

## 2.0 SITE OVERVIEW

### 2.1 Site Location and Pre-Remedy Conditions

The site is a 1.73-acre parcel located in a commercial area of the City of Kingston, Ulster County, New York. The site is bounded by Schwenck Drive to the north, Trailways Bus Terminal to the south, Esposito's Dry Cleaning to the east, and Washington Avenue to the west. The current main site features include one commercial retail building occupied as a CVS retail store and pharmacy. A Site Layout Map is included as **Figure 2**. The site formerly contained a masonry block structure known as Utility Platers and a commercial medical office building known as Kingston Diagnostics.

Prior uses of the Site, primarily handling/storage/disposal practices at the former Utility Platers facility, appear to have resulted in impacts to on-site soils and groundwater from the release of the chlorinated solvents trichloroethylene (TCE). TCE as well as daughter products 1,2-dichloroethylene (1,2-DCE) and vinyl chloride (VC) are now present on site. Groundwater impacts extended from the Utility Platers parcel onto the adjacent Kingston Diagnostics parcel, both of which were combined to form the BCP site currently occupied by the CVS retail/pharmacy facility.

### 2.2 Chronology of Remedial Program

The site remedy was implemented by DT Consulting Services, Inc. in accordance with the NYSDEC-approved Interim Remedial Measure Work Plan dated July 2009. The following is a summary of Remedial Actions and IRMs performed at the site in the BCP:

- Excavation of soil and fill exceeding Restricted-Residential Use (RRU) Soil Cleanup Objectives (SCOs) encountered during historical site investigations including during the remedial investigation (RI). Impacted materials were excavated from areas beneath and downgradient of the former Utility Platers facility to a depth of 10 to 12 feet below the ground surface (bgs) totaling 4,563 tons of material excavated and removed from the site (September 2009).
- Closure and removal of three No. 2 fuel oil underground storage tanks (USTs) and excavation and removal of approximately 350 tons of related petroleum-impacted soil (September 2009).
- Installation of a Sub-slab Depressurization System (SSDS) to remove VOC vapors from beneath the newly completed site structure (June 2010).
- Construction and maintenance of a soil cover system consisting of asphalt pavement to prevent infiltration of storm water into the plume area, to prevent human exposure to remaining impacted soil/fill at the site, and to extend an impermeable surface over the SSDS footprint for vapor control optimization.
- Execution and recording of an Environmental Easement to restrict land use to prevent future human and environmental exposure to residual site contaminants.
- Development and implementation of a Site Management Plan (SMP) for long term management of remaining impacts as required by the Environmental Easement including: 1) Institutional and Engineering Controls; 2) Monitoring; 3) Operation and Maintenance of the SSDS; and 4) Reporting.

These remedial activities were completed at the site between September 2009 and October 2010.

## 3.0 REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

In accordance with the Department-approved SMP dated September 2010, the Certificate of Completion (COC) dated December 3, 2010 and correspondence from NYSDEC dated September 18, 2013, monitoring events included the collection and analysis of groundwater from three on-site monitoring wells (MW-1, MW-2, and MW-5 – **Figure 2**) conducted on a semi-annual basis and sampling of indoor air quality (IAQ) on an annual basis.

Groundwater samples for the current reporting period were collected from the site on October 16, 2015 and March 16, 2016. The groundwater samples were collected in a manner consistent with the methodologies identified in the approved Field Sampling Plan. Copies of the field sampling sheets are attached. Samples were collected in laboratory-provided sample jars and immediately chilled. Duplicate samples were also collected from MW-1 during both the October 2015 and April 2016 sampling events.

The groundwater samples were analyzed for VOCs via USEPA Method 8260 and for priority pollutant metals via USEPA Method 3010A/7471. The SMP also included the sampling of semi-volatile organic compounds (SVOCs); however; based on the general absence of SVOCs detected in historic groundwater samples and the low solubility of SVOCs in groundwater, the Department previously agreed to exclude SVOCs analyses from the post-COC sampling events. The laboratory provided ASP Category B deliverable data packages which were submitted for data validation to DATAVAL, Inc. of Endwell, New York. Copies of the laboratory reports are attached electronically in Appendix B. The DUSRs for both the October 2015 and March 2016 samples are attached. The data tables reflect any modifications or rejections indicated by the data validator.

**Table 2** compares the sampling to guidance values published in Part 703. VOC impacts persist in site groundwater with only limited exceedences of groundwater quality standards in downgradient well MW-2.

- Only "J" detections of TCE have been recorded in downgradient well MW-2 throughout the post-remedial period. 1,2-DCE and Vinyl Chlroride have remained stable at low concentrations in this location.
- The highest site dissolved VOCs persist in monitoring well MW-1. Site TCE, 1,2-DCE and Vinyl Chloride concentrations declined sharply following source soil excavation, but had returned to the range of prior concentrations. March 2016 results showed a significant decrease in these VOCs. Concentrations remain elevated above earlier post-remedy values but are below pre-remedy concentrations.
- During the RI period, no VOCs were detected in cross-gradient well MW-5. TCE was since identified in this location in 2011 and 1,2-DCE in 2013, each in increasing concentrations until March 2016. Similar to MW-1, VOC concentrations increased through October 2015 then decreased substantially in March 2016. Currently, the VOC concentrations in MW-5 are the lowest since 2013.
- Dissolved metals of concern have been cadmium, lead, nickel and selenium. In MW-1, recent concentrations of cadmium, lead and nickel were in exceedence of Part 703 standards and somewhat higher than historic ranges for these analytes. Dissolved metals analyses show correlation between sample turbidity and metal concentrations, suggesting

most elevated metals likely derive from turbidity particles rather than site groundwater. Metals detected in wells MW-2 and MW-5 are all near or below Part 703 standards.

The SSDS system has operated nearly continuously since start-up in 2010. Chazen used a photo-ionization detector (PID) to screen the bulk concentration of VOCs in the airstream during the April 2016 site visit. The recorded bulk VOC concentration was below the detection limit of the instrument, limiting plausible continuing venting concentrations to the high ppb concentrations at most. Air quality sampling was not conducted during March 2016, per NYSDEC approval to reduce sampling to once every five years. The next indoor air sample is due to be collected in March 2020.

## 4.0 INSTITUSTIONAL CONTROL/ENGINEERING CONTROL COMPLIANCE REPORT

### 4.1 IC/EC Requirements and Compliance

The following IC/ECs are in place at the site:

1. A Composite Cover System- exposure to remaining contamination in soil/fill at the site is prevented by a combination of a minimum of 24 inches of clean soil, asphalt pavement, concrete sidewalks or the concrete building slab. The visual integrity of this system is reviewed during each annual site inspection and noted on a Site Inspection Report (**Appendix A**). An Excavation Work Plan presented in the SMP outlines procedures required in the event that the cover system is observed to be breached, penetrated, or any underlying contaminated material is disturbed. Based on the March 2016 inspection, the cover appears to be in-place and does not appear to have been breached.
2. SSDS- An active SSDS was installed on the property in 2010 and contains a blower unit continuously depressurizing a sub-slab gravel layer with slotted PVC piping. The blower vents through the roof of the building, continuously vacuuming air from beneath the sub-slab to draw any impacted air past occupied spaces. Procedures for operating and maintaining the SSDS are documented in the O&M Plan of the SMP. The SSDS is evaluated annually through an inspection of the system and through collection of an air quality sample once every five years. Copies of the annual system inspection forms are included in **Appendix A** and a figure of the SSDS design is included as **Figure 3**.
3. Groundwater Monitoring-Monitored Natural Attenuation – Post remedy groundwater monitoring activities to assess ongoing natural attenuation are conducted on a semi-annual basis and will continue until residual groundwater concentrations are found to be below Part 703 groundwater quality standards or have become asymptotic at an acceptable level to the NYSDEC over time.
4. The property may be used for “Restricted-residential use,” “Commercial use” and/or “Industrial use” as described within 6 NYCRR Part 375-1.8(g)(2)(ii), (iii) and (iv).
5. Data and information pertinent to the SMP of the Controlled Property must be reported at the frequency and manner defined in the SMP;
6. Access to the Site must be provided to agents, employees or other representatives of the state of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.

### 4.2 IC/EC Certification

The EC/IC Certification forms are included in **Appendix B**.

## 5.0 MONITORING PLAN COMPLIANCE REPORT

### 5.1 Components of the Monitoring Plan

The Monitoring Plan included sampling of five existing groundwater monitoring wells on a semi-annual basis for the first two years following completion of remedial activities in late 2010, annual sampling of indoor air and SSDS discharge for the first five years followed by sampling every five years thereafter until year 15, and annual visual inspection of the impermeable cover system. Permission to decommission monitoring wells MW-3 and 4 was provided in 2013. The remaining monitoring plan components are as follows:

1. Three monitoring wells exist on the site (MW-1, MW-2 and MW-5) to monitor up- and down-gradient conditions at the site. Groundwater sampling is conducted semi-annually in March/April and October. Well sampling activities are logged on field data sheets (**Appendix A**), which serve as the inspection form for the well network. Groundwater samples are analyzed for VOCs and priority pollutant metals. Wells are inspected during each sampling event. If an event renders the wells unusable, or if the approval is granted that well sampling is no longer required, they will be properly decommissioned and/or replaced. The NYSDEC will be notified prior to any well repair or decommissioning.
2. SSDS discharge monitoring is performed annually. IAQ sampling is conducted once every five years. Sampling is conducted during or before April to ensure sampling during the heating season. Sampling activities for the SSDS are recorded in the designated field book and field logs. IAQ samples are analyzed for VOCs via USEPA Method TO-15. In addition, the SSDS system is inspected periodically to determine if it is functioning properly, if there is foundation damage or building defects that could reduce its effectiveness, and to assess blower conditions.
3. A site-wide inspection of the facility is conducted annually in April as well as after any severe weather condition that may affect ECs or monitoring devices. An inspection form is completed after each inspection (**Appendix A**). The inspection assesses compliance with ICs and site usage; condition and continued effectiveness of ECs; general site conditions, site management activities being conducted, and compliance with the O&M Plan.

### 5.2 Summary of Monitoring Completed During Reporting Period

Monitoring completed during the reporting period (October 2015 and March 2016) has included two semi-annual groundwater sampling events of the three remaining on-site wells, one inspection of the SSDS (March 2016) and one site-wide inspection (March 2016). Groundwater sampling points are depicted on **Figure 2**. **Table 1** provides groundwater elevations for each sampling event. **Table 2** shows available pre-remediation groundwater data (2009), and all post-remediation groundwater sampling data to the present. Field sampling sheets, a copy of the 2016 Annual Site Wide Inspection form and 2016 SSDS inspection form are attached in **Appendix A**.

### 5.3 Comparisons with Remedial Objectives

<u>Soil</u>

- Post excavation sampling completed during the remedy and IRMs confirmed that Track 4 Restricted Residential SCOs were met for most post-excavation soil samples. Post-excavation soil sampling revealed that most remaining soil met Restricted Residential SCOs.

Groundwater

- Dissolved chlorinated solvents in all site monitoring wells remain above groundwater standards (**Table 2**).
- Only "J" detections of TCE have been recorded in downgradient well MW-2 throughout the post-remedial period. 1,2-DCE and Vinyl Chloride have remained stable at low concentrations in this location.
- The highest site dissolved VOCs persist in monitoring well MW-1. Site TCE, 1,2-DCE and Vinyl Chloride concentrations declined sharply following source soil excavation, but had returned to the range of prior concentrations. March 2016 results showed a significant decrease in these VOCs. Concentrations remain elevated above earlier post-remedy values but are below pre-remedy concentrations.
- During the RI period, no VOCs were detected in cross-gradient well MW-5. TCE was since identified in this location in 2011 and 1,2-DCE in 2013, each in increasing concentrations until March 2016. Similar to MW-1, VOC concentrations increased through October 2015 then decreased substantially in March 2016. Currently, the VOC concentrations in MW-5 are the lowest since 2013.
- Dissolved metals of concern have been cadmium, lead, nickel and selenium. In MW-1, recent concentrations of cadmium, lead and nickel were in exceedence of Part 703 standards and somewhat higher than historic ranges for these analytes. Dissolved metals analyses show correlation between sample turbidity and metal concentrations, suggesting most elevated metals likely derive from turbidity particles rather than site groundwater. Metals detected in wells MW-2 and MW-5 are all near or below Part 703 standards.

Indoor Air

- The SSDS system was inspected in March 2016 and appears to be functioning normally. No air quality sampling was conducted in 2016, as the NYSDEC granted permission for the sampling frequency to be reduced to once every five years. The next air quality sample is due to be collected in March 2020.

### 5.4 Monitoring Deficiencies

No monitoring deficiencies were identified during the sampling and reporting period.

### 5.5 Conclusions and Recommendations for Changes

Chazen recommends continued monitoring of the three remaining wells (MW-1, MW-2 and MW-5) in accordance with the current monitoring and inspection schedule, sufficient to monitor the continuing VOC attenuation occurring at this Site.

Indoor air quality sampling once every five years should be maintained as well as general O&M of the site's paved surfaces.

## 6.0 OPERATION AND MAINTENANCE (O&M) PLAN COMPLIANCE RPEORT

### 6.1 Components of the O&M Plan

The O&M Plan presented in the SMP includes the steps necessary to operate and maintain the on-site SSDS and include an O&M contingency plan. Non-mechanical ECs (i.e., soil cover system) are discussed in the EC/IC Control Plan.

The SSDS system has operated at the site continuously since start-up on May 15, 2010. The system includes a vapor barrier, gravel layer, slotted vent pipe network, riser pipe with roof vent and in-line fan. The system must remain powered at all times to operate successfully and a control box is locked securely to prevent unauthorized shut off.

Routine operation of the blower unit includes ensuring availability of a continuous power source to the blower motor and confirmation that the piping does not leak or have blockages. Routine equipment maintenance is to be conducted as needed and includes annual inspection and cleaning of the vapor riser pipe outlets, and collection and analyses of air quality samples per the annual sampling schedule. Non-routine equipment maintenance would include cutting through the concrete floor slab to install new equipment or make other building modifications to maintain the integrity and performance of the SSDS. In the event of a non-routine condition (i.e., system damage or reduced effectiveness which would initiate a red warning light, and/or system component replacements), the Site owner will notify the NYSDEC within 24 hours and proceed with the needed maintenance and/or repair.

### 6.2 Summary of O&M Completed During Reporting Period

An annual SSDS inspection was conducted in March 2016. No deficiencies in the system were noted which required maintenance or repair from the prior April 2015 inspection to the current period.

### 6.3 Evaluation of Remedial Systems

Based on the results of the annual monitoring of the SSDS, the SSDS appears to be performing as designed/expected.

### 6.4 O&M Deficiencies

No O&M deficiencies were noted during the reporting period.

### 6.5 Conclusions and Recommendations for Improvement

The SSDS appears to be functioning as designed/expected. There are no recommendations for improvements to the O&M Plan or program at this time.

## 7.0 OVERALL PERIODIC REVIEW REPORT CONCLUSIONS AND RECOMMENDATIONS

### 7.1 Compliance with the Site Management Plan

IC/ECs in place at the site include an active SSDS and an impermeable cover system.

- Annual inspection of the SSDS during March 2016 indicates that the SSDS is operating as designed/expected. No maintenance of the system has occurred or was found to be necessary during the reporting period.

- The Annual Site Wide Inspection conducted in March 2016 indicates that groundwater monitoring wells are in place and in good condition and that no visible breaches in the impermeable cover were noted. In addition, the site is currently occupied as a CVS retail store and pharmacy which is in compliance with the commercial or restricted residential use of the site.

- Groundwater monitoring has been conducted semi-annually (October 2015 and March 2016), in accordance with the SMP schedule.

### 7.2 Performance and Effectiveness of the Remedy and Recommendations

- Semi-annual groundwater monitoring suggests that remaining impacts have been significantly reduced since implementation of the remedy. Since the 2009 excavation of source soils and startup of the SSDS, VOCs are attenuating towards groundwater standards.
- SSDS monitoring indicate that the SSDS system is working effectively.

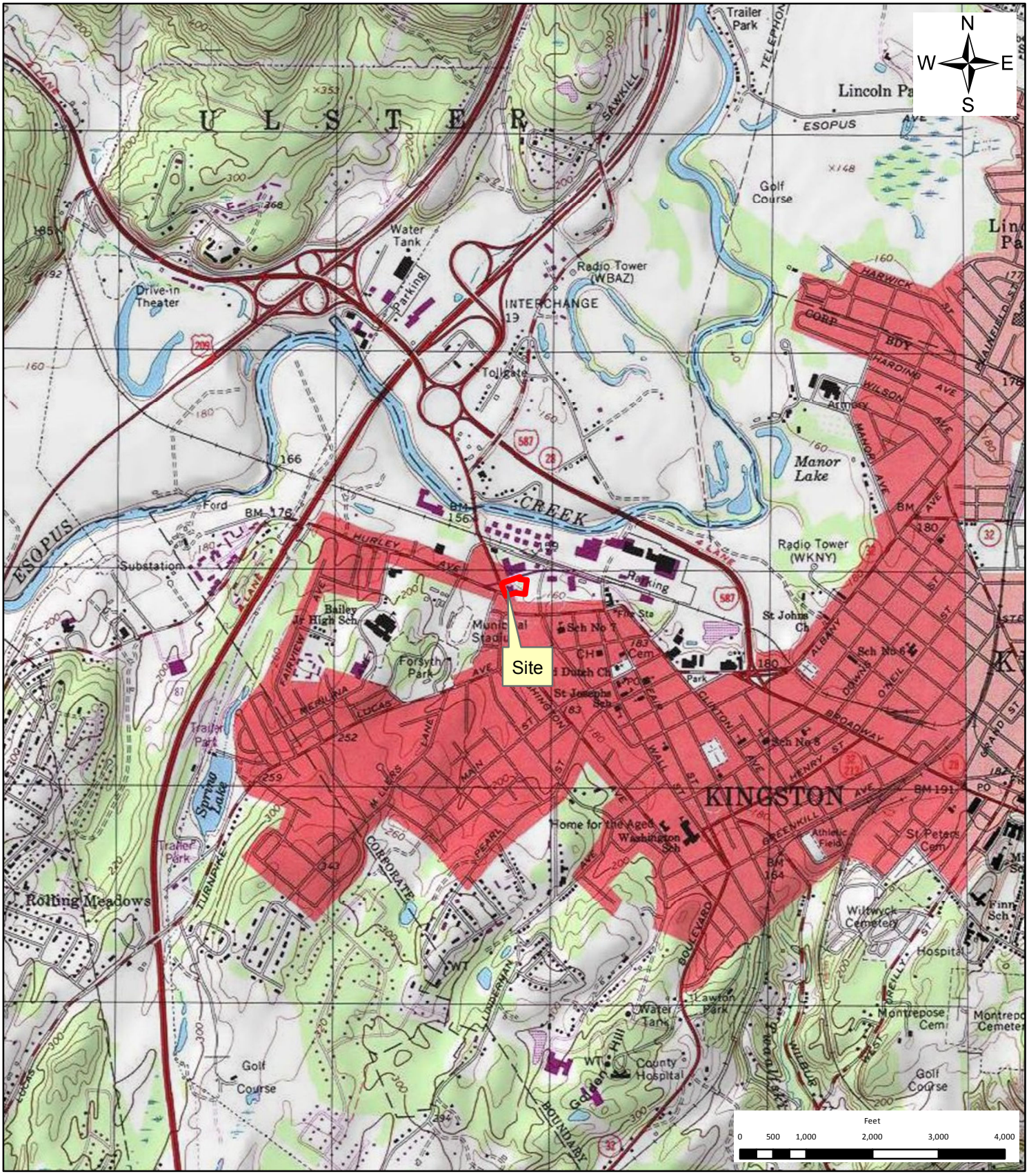
The combined results of the site inspection, semi-annual groundwater sampling, and annual SSDS inspection suggest that the remedy continues to protect the environment and public health.

No recommendations for changes to the O&M or monitoring plans are warranted at this time.

### 7.3 Future PRR Submittals

Monitoring for the seventh reporting period will include semi-annual groundwater monitoring in October 2016, and annual groundwater sampling, SSDS monitoring and a site-wide inspection in March/April 2017. An annual report will be submitted to the NYSDEC for these events in May 2017.

# FIGURES

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***North Country Office:***
375 Bay Road, Queensbury, NY 12804
Phone: (518) 812-0513

***Former Utility Platers/Kingston Diagnostics Site***

# Figure 1: Site Location Map

167 Schwenck Drive
City of Kingston, Ulster County, New York

| | |
|---|---|
| Drawn: | EJO |
| Date: | May 2015 |
| Scale: | 1:24,000 |
| Project: | 41103.00 |
| Figure: | 1 |

Map Document: (R:\0\standards\Gis\ChazenGIS\8X11P_MinimalChazenAddress.mxt)
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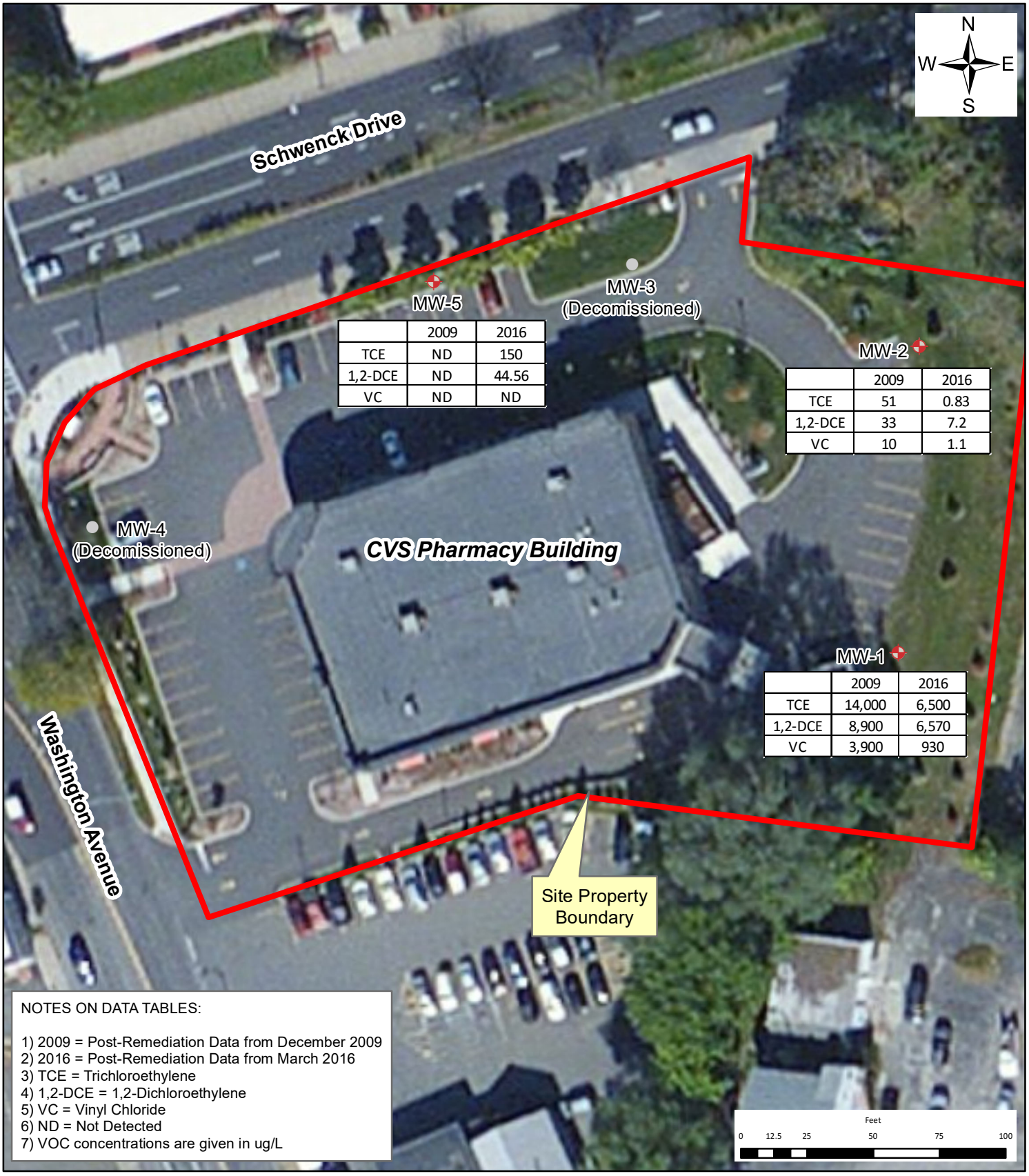


| | 2009 | 2016 |
|---|---|---|
| TCE | ND | 150 |
| 1,2-DCE | ND | 44.56 |
| VC | ND | ND |

| | 2009 | 2016 |
|---|---|---|
| TCE | 51 | 0.83 |
| 1,2-DCE | 33 | 7.2 |
| VC | 10 | 1.1 |

| | 2009 | 2016 |
|---|---|---|
| TCE | 14,000 | 6,500 |
| 1,2-DCE | 8,900 | 6,570 |
| VC | 3,900 | 930 |

NOTES ON DATA TABLES:

1) 2009 = Post-Remediation Data from December 2009
2) 2016 = Post-Remediation Data from March 2016
3) TCE = Trichloroethylene
4) 1,2-DCE = 1,2-Dichloroethylene
5) VC = Vinyl Chloride
6) ND = Not Detected
7) VOC concentrations are given in ug/L

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Phone: (518) 812-0513

***Former Utility Platers/Kingston Diagnostics Site***

# Figure 2: Site Layout Map

167 Schwenck Drive
City of Kingston, Ulster County, New York

| | |
|---|---|
| Drawn: | EJO |
| Date: | May 2016 |
| Scale: | 1:600 |
| Project: | 41103.00 |
| Figure: | 2 |

Map Document: (R:\0\standards\Gis\ChazenGIS\8X11P_MinimalChazenAddress.mxt)
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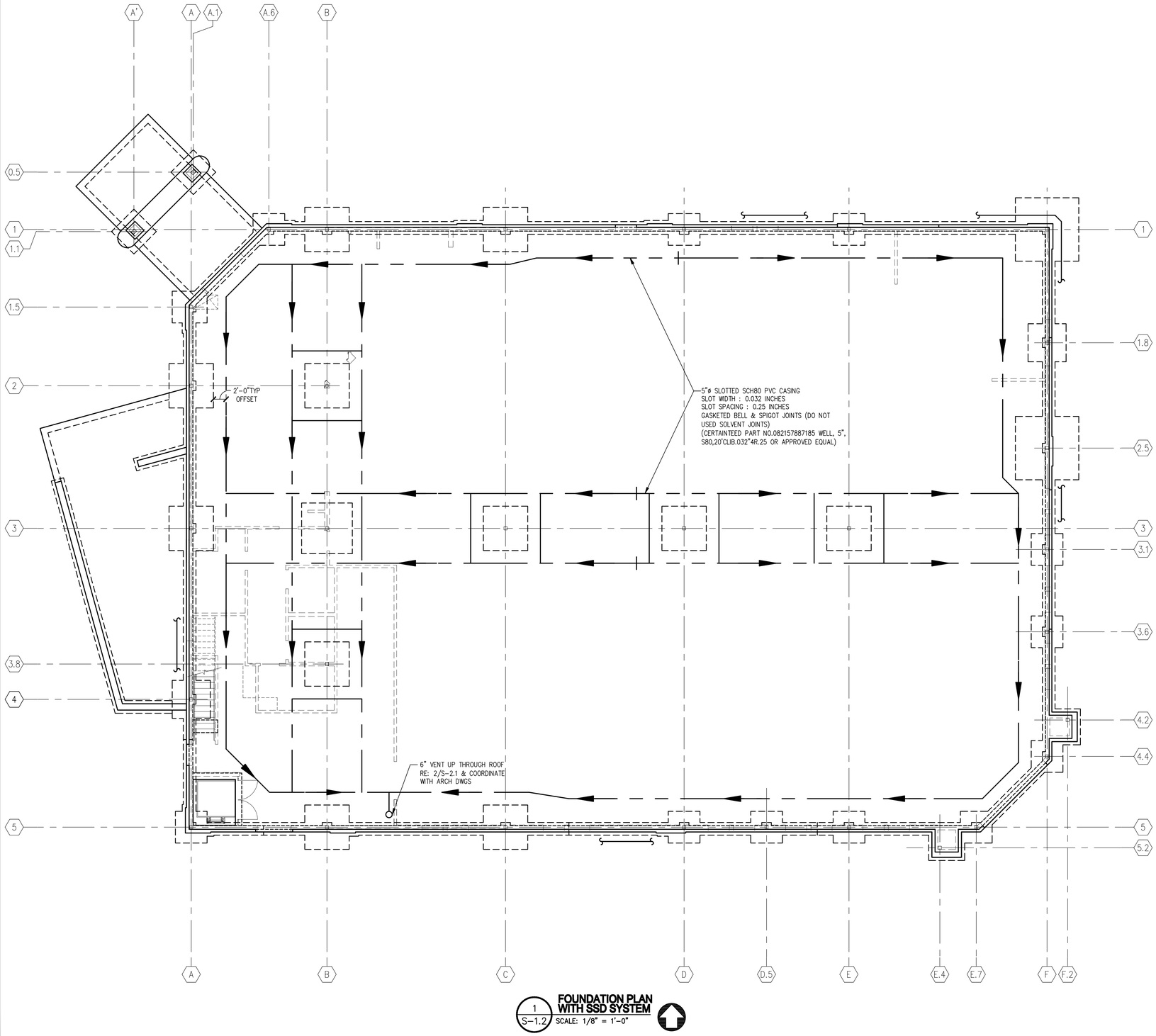
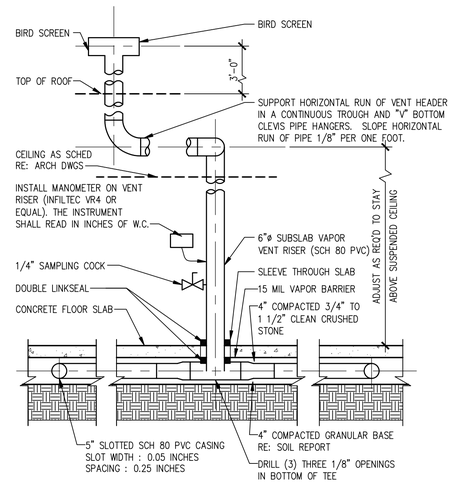



1 S-1.2 **FOUNDATION PLAN WITH SSD SYSTEM**
SCALE: 1/8" = 1'-0"




2 S-1.2 **SSD SYSTEM VAPOR VENT RISER**
SCALE: 1/2" = 1'-0"

NOTE: FOOTINGS ARE CENTERED ON COLUMNS, UNO


Larson Design Group

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Phone: 570.323.6603
Fax: 570.323.9902
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ARCHITECTS ENGINEERS SURVEYORS


SEAL:

CVS/pharmacy

PROJECT TYPE: NEW — 12900 9.1.06 TYPE A

STORE NUMBER: 8945

WASHINGTON AVE. & SCHWENK DR. (SEC)
KINGSTON, NY 12401

**DEVELOPER:**

NORTHEAST RETAIL LEASING
& MANAGEMENT CO.
360 BLOOMFIELD AVE.
SUITE 303
WINDSOR, CT 06095
TEL (860) 683-9000
FAX (860) 683-1600

REVISIONS:

| | |
|---|---|
| LAYOUT COORDINATOR: | T. MARTIN |
| CONSTRUCTION MGR. | B. FLANNERY |
| DRAWING BY: | RLH |
| DATE: | 13 JUL 2009 |
| JOB NUMBER: | 6544-002 |

TITLE:
SUB-SLAB DEPRESSURIZATION SYSTEM

SHEET NUMBER:
S-1.2

COMMENTS:
BID DOCUMENT

Figure 3- SSDS Layout

# TABLES

**Table 1:** Monitoring Well and Groundwater Elevations
BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics (Current CVS Building)
Washington Avenue and Schwenck Drive, City of Kingston, Ulster County, New York

| Well ID | Top of Casing Elevation (feet AMSL) | Groundwater Elevation (feet AMSL) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4/20/2011 | 10/20/2011 | 3/27/2012 | 10/9/2012 | 3/11/2013 | 10/25/2013 | 3/26/2014 | 10/3/2014 | 4/6/2015 | 10/16/2015 | 3/16/2016 |
| MW-1 | 164.70 | 150.47 | 150.36 | 149.80 | 149.67 | 150.26 | 149.61 | 150.67 | 148.91 | 149.86 | 149.29 | 148.43 |
| MW-2 | 160.56 | 148.06 | 148.02 | 143.37 | 143.91 | 145.70 | 142.34 | 147.19 | 145.02 | 145.06 | 143.00 | 143.23 |
| MW-3 | 158.75 | 153.17 | 153.32 | 151.54 | 152.03 | 151.72 | NA | NA | NA | NA | NA | NA |
| MW-4 | 168.32 | 162.40 | 162.48 | 161.75 | 161.80 | 162.10 | NA | NA | NA | NA | NA | NA |
| MW-5 | 162.51 | 155.67 | 155.88 | 154.03 | 154.14 | 154.08 | 153.47 | 154.57 | 152.92 | 153.81 | 154.21 | 153.88 |

NOTES:

1) AMSL = Above Mean Sea Level

2) Top of Casing Elevations were obtained from a site survey map dated June 2, 2010, created by Brinner and Larios.

3) NA - groundwater elevation not applicable, as well was abandoned.

**Table 2:** Groundwater Monitoring Data
BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics Site (Current CVS Building)
Washington Avenue and Schwenk Drive, City of Kingston, Ulster County, New York

| Sample Location | | | | | MW-1 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Date | | | | | 12/23/2009 | 4/20/2011 | 4/20/2011 (MW-DUP) | 10/20/2011 | 10/20/2011 (MW-DUP) | 3/27/2012 | 3/27/12 (MW-DUP) |
| Analyte | | Units | Part 703 Groundwater Standard | TOGS 1.1.1 Groundwater Standard | Pre-Remedy Results | Post-Remedy Results | | | | | |
| EPA Method 8260 Volatile Organic Compounds | 1,1,1,2-Tetrachloroethane | ug/L | 5* | 5 | -- | ND | ND | ND | ND | ND | ND |
| | 1,1,1-Trichloroethane | | 5* | 5 | 3 | 1.2 J | 1.2 J | 2.8 J | 2.8 J | 1.3 J | 1.3 J |
| | 1,1,2,2-Tetrachloroethane | | 5* | 5 | -- | ND | ND | ND | ND | ND | ND |
| | 1,1,2-Trichloroethane | | 1 | 1 | -- | ND | ND | ND | ND | ND | ND |
| | 1,1-Dichloroethane | | 5* | 0.6 | **23** | 3.8 J | 3.7 J | **5.3** | **5.8** | **6.4** | **6.2** |
| | 1,1-Dichloroethylene | | 5* | 5 | **38** | 3.1 J | 3.5 J | 3.4 J | 3.4 J | **8.2** | **7.6** |
| | 1,1-Dichloropropylene | | NS | 5 | -- | ND | ND | ND | ND | ND J | ND J |
| | 1,2,3-Trichlorobenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND | ND |
| | 1,2,3-Trichloropropane | | 0.04 | 0.04 | -- | ND | ND | ND | ND | ND | ND |
| | 1,2,3-Trimethylbenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND | ND |
| | 1,2,4-Trichlorobenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND | ND |
| | 1,2,4-Trimethylbenzene | | 5* | 5 | **16** | ND | ND | ND | ND | ND | ND |
| | 1,2-Dibromo-3-chloropropane | | 0.04 | 0.04 | -- | ND | ND | ND | ND | ND | ND |
| | 1,2-Dibromoethane | | NS | 5 | -- | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichlorobenzene | | 3** | 3 | -- | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethane | | 0.6 | 0.6 | -- | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethylene (Total) | | 5* | 5 | **8,435** | **1,026** | **629** | **1,624** | **1,324** | **1,975** | **2,070** |
| | 1,2-Dichloropropane | | 1 | 1 | -- | ND | ND | ND | ND | ND | ND |
| | 1,3,5-Trimethylbenzene | | 5* | 5 | 4 | ND | ND | ND | ND | ND | ND |
| | 1,3-Dichlorobenzene | | 3** | 3 | -- | ND | ND | ND | ND | ND | ND |
| | 1,3-Dichloropropane | | 5* | 5 | -- | ND | ND | ND | ND | ND | ND |
| | 1,4-Dichlorobenzene | | 3** | 3 | -- | ND | ND | ND | ND | ND | ND |
| | 1-Chlorohexane | | NS | 5 | -- | ND | ND | ND | ND | ND | ND |
| | 2,2-Dichloropropane | | 5* | 5 | -- | ND | ND | ND | ND | ND | ND |
| | 2-Chlorotoluene | | 5* | 5 | -- | ND | ND | ND | ND | ND | ND |
| | 4-Chlorotoluene | | 5* | 5 | -- | ND | ND | ND | ND | ND | ND |
| | Benzene | | 1 | 1 | -- | ND | ND | ND | ND | ND | ND |
| | Bromobenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND | ND |
| | Bromochloromethane | | 5* | 5 | -- | ND | ND | ND | ND | ND | ND |
| | Bromodichloromethane | | NS | 50 | -- | ND | ND | ND | ND | ND | ND |
| | Bromoform | | NS | 50 | -- | ND | ND | ND | ND | ND | ND |
| | Bromomethane | | 5* | 5 | -- | ND | ND | ND | ND | ND J | ND J |
| | Carbon Tetrachloride | | 5 | 5 | -- | ND | ND | ND | ND | ND J | ND J |
| | Chlorobenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND | ND |
| | Chloroethane | | 5* | 5 | -- | ND | ND | ND | ND | ND | ND |
| | Chloroform | | 7 | 7 | -- | ND | ND | ND | ND | ND | ND |
| | Chloromethane | | NS | 5 | -- | ND | ND | ND | ND | ND | ND |
| | cis-1,3-Dichloropropylene | | 0.4** | 5 | -- | ND | ND | ND | ND | ND | ND |
| | Dibromochloromethane | | NS | 50 | -- | ND | ND | ND | ND | ND | ND |
| | Dibromomethane | | 5* | 5 | -- | ND | ND | ND | ND | ND | ND |
| | Dichlorodifluoromethane | | 5* | 5 | -- | ND | ND | ND | ND | R | R |
| | Ethylbenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND | ND |
| | Hexachlorobutadiene | | 0.5 | 0.5 | -- | ND | ND | ND | ND | ND | ND |
| | Isopropylbenzene | | 5* | 5 | 1 | ND | ND | ND | ND | ND | ND |
| | Methyl tert-butyl ether (MTBE) | | NS | 10 | -- | ND | ND | ND | ND | ND J | ND J |
| | Methylene chloride | | 5* | 5 | 6 | 3.4 JB | 4.0 JB | 4.5 JB | 4.4 JB | ND | ND |
| | Naphthalene | | 10 | 10 | 1 | ND | ND | ND | ND | ND J | ND J |
| | n-Butylbenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND | ND |
| | n-Propylbenzene | | 5* | 5 | 2 | ND | ND | ND | ND | ND | ND |
| | o-Xylene | | 5* | 5 | 2 | ND | ND | ND | ND | ND | ND |
| | p-&m-Xylenes | | 5* | 5 | 2 | ND | ND | ND | ND | ND | ND |
| | p-Isopropyltoluene | | 5* | 5 | 4 | ND | ND | ND | ND | ND | ND |
| | sec-Butylbenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND | ND |
| | Styrene | | 5* | 5 | -- | ND | ND | ND | ND | ND | ND |
| | tert-Butylbenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND | ND |
| | Tetrachloroethylene | | 5* | 5 | **12** | ND | ND | ND | ND | ND | ND |
| | Toluene | | 5* | 5 | 2 | ND | ND | ND | ND | ND | ND |
| | trans-1,3-Dichloropropylene | | 0.4** | 5 | -- | ND | ND | ND | ND | ND | ND |
| | Trichloroethylene | | 5* | 5 | **14,000** | **800** | **500** | **130** | **180** | **1,200** | **1,200** |
| | Trichlorofluoromethane | | 5* | 5 | -- | ND | ND | ND | ND | ND | ND |
| | Vinyl chloride | | 1 | 1 | **3,900** | **130** | **150** | **100** | **110** | **160 J** | **170 J** |
| | | | | **Sample Date** | **12/23/2009** | **4/20/2011** | **4/20/2011** | **10/20/2011** | **10/20/2011** | **3/27/2012** | **3/27/2012** |
| EPA Method 6010 Priority Pollutant Metals | Antimony | ug/L | 3 | 3 | ND | ND | ND | **5** | **5** | ND | ND |
| | Arsenic | | 25 | 25 | ND | 11 | ND | 10 | ND | ND | ND |
| | Beryllium | | 11*** | 3 | ND | ND | ND | ND | ND | ND | ND |
| | Cadmium | | 5 | 5 | **31** | **63** | **59** | **114** | **126** | **47** | **42** |
| | Chromium | | 50 | 50 | 13 | 11 | 8 | 29 | 32 | 5 | ND |
| | Copper | | 200 | 200 | 38 | 8 | 6 | 17 | 18 | ND | ND |
| | Lead | | 25 | 25 | **33** | 4 | 3 | 7 | 6 | 3 J | ND |
| | Nickel | | 100 | 100 | **257** | **309** | **307** | **660** | **703** | **749** | **748** |
| | Selenium | | 10 | 10 | **14** | ND | ND | ND | ND | **22 J** | **16 J** |
| | Silver | | 50 | 50 | ND | ND | ND | ND | ND | ND | ND |
| | Thallium | | 8 | 0.5 | ND | ND | ND | ND | ND | ND | ND |
| | Zinc | | NS | 2,000 | 136 | 158 | 146 | 234 | 244 | 144 | 139 |
| | Mercury | | 0.7 | 1 | ND | ND | ND | ND | ND | ND | ND |

NOTES:
1) * denotes that the principal organic compound (POC) standard of 5 ug/L applies to this compound
2) ** denotes that this standard applies to the sum of both isomers
3) *** denotes that this standard applies as long as total hardness is below 75 mg/L. If total hardness exceeds 75 mg/L, the standard is 1,100 ug/L.
4) NS = No standard exists in Part 703 for this compound
5) ND = Not detected
6) '-- = Not analyzed for this compound.
7) Results exceeding one or both groundwater quality standards are presented in **BOLD** and shaded.
8) The flag J denotes a detection above the minimum detection but below the reporting limit. The noted concentration is an estimate.
9) The flag B denotes a compound that was also detected in the laboratory method blank. Therefore, this detection may represent a laboatory artifact.
10) The flag UJ denotes a concentration that was estimated due to a poor calibration performance or poor matrix spike recoveries.
11) The flag DJ denotes a concentration that was estimated because the second analysis of these samples was performed outside the 12-hour window defined by the BFB standard.
12) The flag R denotes a result rejected during data vaildation.

**Table 2:** Groundwater Monitoring Data
BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics Site (Current CVS Building)
Washington Avenue and Schwenk Drive, City of Kingston, Ulster County, New York

| Sample Location | | | | | MW-1 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Date | | | | | 10/9/2012 | 3/11/2013 | 3/11/2013 (MW-DUP) | 10/25/2013 | 3/26/2014 | 3/26/2014 (MW-DUP) | 10/3/2014 | 10/3/2014 (MW-DUP) |
| Analyte | | Units | Part 703 Groundwater Standard | TOGS 1.1.1 Groundwater Standard | Post-Remedy Results | | | | | | | |
| EPA Method 8260 Volatile Organic Compounds | 1,1,1,2-Tetrachloroethane | ug/L | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,1-Trichloroethane | | 5* | 5 | 1.7 J | 1.2 J | 1.4 J | ND | ND | 1.4 J | ND | ND |
| | 1,1,2,2-Tetrachloroethane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,2-Trichloroethane | | 1 | 1 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,1-Dichloroethane | | 5* | 0.6 | **7.5** | 3.1 J | 2.8 J | 6.8 | 1.4 J | 1.4 J | ND | ND |
| | 1,1-Dichloroethylene | | 5* | 5 | **5.5** | 1.3 J | 1.2 J | 6.6 | ND | 0.50 J | ND | ND |
| | 1,1-Dichloropropylene | | NS | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2,3-Trichlorobenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND J | ND |
| | 1,2,3-Trichloropropane | | 0.04 | 0.04 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2,3-Trimethylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2,4-Trichlorobenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2,4-Trimethylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dibromo-3-chloropropane | | 0.04 | 0.04 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dibromoethane | | NS | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichlorobenzene | | 3** | 3 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethane | | 0.6 | 0.6 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethylene (Total) | | 5* | 5 | **1,029** | **572** | **710** | **2,457** | **568** | **216.6** | **18,260** | **9,720** |
| | 1,2-Dichloropropane | | 1 | 1 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,3,5-Trimethylbenzene | | 5* | 5 | ND | ND | ND | ND | 1.2 J | ND | ND | ND |
| | 1,3-Dichlorobenzene | | 3** | 3 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,3-Dichloropropane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1,4-Dichlorobenzene | | 3** | 3 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1-Chlorohexane | | NS | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 2,2-Dichloropropane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 2-Chlorotoluene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | 4-Chlorotoluene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Benzene | | 1 | 1 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Bromobenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Bromochloromethane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Bromodichloromethane | | NS | 50 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Bromoform | | NS | 50 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Bromomethane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Carbon Tetrachloride | | 5 | 5 | ND | ND | ND | ND | ND | ND | ND J | ND |
| | Chlorobenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chloroethane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chloroform | | 7 | 7 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Chloromethane | | NS | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | cis-1,3-Dichloropropylene | | 0.4** | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Dibromochloromethane | | NS | 50 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Dibromomethane | | 5* | 5 | ND | ND | ND | ND | R | R | ND | ND |
| | Dichlorodifluoromethane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Ethylbenzene | | 5* | 5 | ND | ND | ND | ND | 1.3 J | ND | ND | ND |
| | Hexachlorobutadiene | | 0.5 | 0.5 | ND | ND | ND | ND | ND | ND | ND J | ND |
| | Isopropylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Methyl tert-butyl ether (MTBE) | | NS | 10 | ND | ND J | ND J | ND | ND | ND | ND | ND |
| | Methylene chloride | | 5* | 5 | ND | 2.4 J | 3.1 J | ND | ND | ND | ND | ND |
| | Naphthalene | | 10 | 10 | ND | ND | ND | ND | 6.0 J | ND | ND | ND |
| | n-Butylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND J | ND |
| | n-Propylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | o-Xylene | | 5* | 5 | ND | ND | ND | ND | R | R | ND | ND |
| | p-&m-Xylenes | | 5* | 5 | ND | ND | ND | ND | 3.2 J | ND | ND | ND |
| | p-Isopropyltoluene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | sec-Butylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Styrene | | 5* | 5 | ND | ND | ND | ND | R | R | ND | ND |
| | tert-Butylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Tetrachloroethylene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Toluene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | trans-1,3-Dichloropropylene | | 0.4** | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Trichloroethylene | | 5* | 5 | **670 DJ** | **490** | **620** | **1,800** | **490** | **250** | **14,000** | **5,100** |
| | Trichlorofluoromethane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Vinyl chloride | | 1 | 1 | **190 J** | **99** | **83** | ND | **84** | **30** | **1,000** | **1,500** |
| | | | | **Sample Date** | **10/9/2012** | **3/11/2013** | **3/11/2013** | **10/25/2013** | **3/26/2014** | **3/26/2014** | **10/3/2014** | **10/3/2014** |
| EPA Method 6010 Priority Pollutant Metals | Antimony | ug/L | 3 | 3 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Arsenic | | 25 | 25 | 10 | ND | 5 | 7 | ND | ND | **48** | **56** |
| | Beryllium | | 11*** | 3 | ND | ND | ND | ND | ND | ND | ND | 2 |
| | Cadmium | | 5 | 5 | **7** | **120** | **95** | **33** | **121** | **103** | **116** | **116** |
| | Chromium | | 50 | 50 | ND | 28 | 17 | 8 | 21 | 15 | **85** | **113** |
| | Copper | | 200 | 200 | ND | 13 | 5 | 20 | R | R | 128 | 167 |
| | Lead | | 25 | 25 | ND | 5 | ND | 3 | ND | ND | **71** | **92** |
| | Nickel | | 100 | 100 | **266** | **288** | **286** | **477** | **307** | **319** | **933** | **897** |
| | Selenium | | 10 | 10 | **15** | **13** | **11** | ND | **14** | ND | ND | ND |
| | Silver | | 50 | 50 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Thallium | | 8 | 0.5 | ND | ND | ND | ND | ND | ND | ND | ND |
| | Zinc | | NS | 2,000 | 78 | 239 | 191 | 104 | 302 | 285 | 493 | 544 |
| | Mercury | | 0.7 | 1 | ND | ND | ND | ND | ND | ND | ND | ND |

NOTES:
1) * denotes that the principal organic compound (POC) standard of 5 ug/L applies to this compound
2) ** denotes that this standard applies to the sum of both isomers
3) *** denotes that this standard applies as long as total hardness is below 75 mg/L. If total hardness exceeds 75 mg/L, the standard is 1,100 ug/L.
4) NS = No standard exists in Part 703 for this compound
5) ND = Not detected
6) '-- = Not analyzed for this compound.
7) Results exceeding one or both groundwater quality standards are presented in **BOLD** and shaded.
8) The flag J denotes a detection above the minimum detection but below the reporting limit. The noted concentration is an estimate.
9) The flag B denotes a compound that was also detected in the laboratory method blank. Therefore, this detection may represent a laboatory artifact.
10) The flag UJ denotes a concentration that was estimated due to a poor calibration performance or poor matrix spike recoveries.
11) The flag DJ denotes a concentration that was estimated because the second analysis of these samples was performed outside the 12-hour window defined by the BFB standard.
12) The flag R denotes a result rejected during data vaildation.

**Table 2:** Groundwater Monitoring Data
BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics Site (Current CVS Building)
Washington Avenue and Schwenk Drive, City of Kingston, Ulster County, New York

| Sample Location | | | | | MW-1 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Date | | | | | 4/6/2015 | 4/6/2015 (MW-DUP) | 10/16/2015 | 10/16/2015 (MW-DUP) | 3/16/2016 | 3/16/2016 (MW-DUP) |
| Analyte | | Units | Part 703 Groundwater Standard | TOGS 1.1.1 Groundwater Standard | Post-Remedy Results | | | | | |
| EPA Method 8260 Volatile Organic Compounds | 1,1,1,2-Tetrachloroethane | ug/L | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | 1,1,1-Trichloroethane | | 5* | 5 | ND | ND | 2.0 | 1.7 | ND | ND |
| | 1,1,2,2-Tetrachloroethane | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | 1,1,2-Trichloroethane | | 1 | 1 | ND | ND | ND | ND | ND | ND |
| | 1,1-Dichloroethane | | 5* | 0.6 | **7.3** | **7.1** | **7.7** | **9.2** | **6.8** | **6.5** |
| | 1,1-Dichloroethylene | | 5* | 5 | **11.0** | **11.0** | **28** | **37** | **22** | **21** |
| | 1,1-Dichloropropylene | | NS | 5 | ND | ND | ND | ND | ND | ND |
| | 1,2,3-Trichlorobenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | 1,2,3-Trichloropropane | | 0.04 | 0.04 | ND | ND | ND | ND | ND | ND |
| | 1,2,3-Trimethylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | 1,2,4-Trichlorobenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | 1,2,4-Trimethylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | 1,2-Dibromo-3-chloropropane | | 0.04 | 0.04 | ND | ND | ND | ND | ND | ND |
| | 1,2-Dibromoethane | | NS | 5 | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichlorobenzene | | 3** | 3 | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethane | | 0.6 | 0.6 | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethylene (Total) | | 5* | 5 | **4,397 J** | **4,093 J** | **7,840** | **9,690** | **6,570** | **5,850** |
| | 1,2-Dichloropropane | | 1 | 1 | ND | ND | ND | ND | ND | ND |
| | 1,3,5-Trimethylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | 1,3-Dichlorobenzene | | 3** | 3 | ND | ND | ND | ND | ND | ND |
| | 1,3-Dichloropropane | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | 1,4-Dichlorobenzene | | 3** | 3 | ND | ND | ND | ND | ND | ND |
| | 1-Chlorohexane | | NS | 5 | ND | ND | ND | ND | ND | ND |
| | 2,2-Dichloropropane | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | 2-Chlorotoluene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | 4-Chlorotoluene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | Benzene | | 1 | 1 | ND | ND | 0.33 J | ND | ND | 0.23 J |
| | Bromobenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | Bromochloromethane | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | Bromodichloromethane | | NS | 50 | ND | ND | ND | ND | ND | ND |
| | Bromoform | | NS | 50 | ND | ND | ND | ND | ND | ND |
| | Bromomethane | | 5* | 5 | ND | ND | ND | ND | ND J | ND J |
| | Carbon Tetrachloride | | 5 | 5 | ND | ND | ND | ND | ND | ND |
| | Chlorobenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | Chloroethane | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | Chloroform | | 7 | 7 | ND | ND | ND | ND | ND | ND |
| | Chloromethane | | NS | 5 | ND | ND | ND | ND | ND J | ND J |
| | cis-1,3-Dichloropropylene | | 0.4** | 5 | ND | ND | ND | ND | ND | ND |
| | Dibromochloromethane | | NS | 50 | ND | ND | ND | ND | ND | ND |
| | Dibromomethane | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | Dichlorodifluoromethane | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | Ethylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | Hexachlorobutadiene | | 0.5 | 0.5 | ND | ND | ND | ND | ND | ND |
| | Isopropylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | Methyl tert-butyl ether (MTBE) | | NS | 10 | ND | ND | ND | ND | ND | ND |
| | Methylene chloride | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | Naphthalene | | 10 | 10 | ND | ND | ND | ND | ND | ND |
| | n-Butylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | n-Propylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | o-Xylene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | p-&m-Xylenes | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | p-Isopropyltoluene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | sec-Butylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | Styrene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | tert-Butylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | Tetrachloroethylene | | 5* | 5 | ND | ND | 0.33 J | 0.30 J | ND | ND |
| | Toluene | | 5* | 5 | ND | ND | 0.56 | 0.76 | 0.34 J | 0.32 J |
| | trans-1,3-Dichloropropylene | | 0.4** | 5 | ND | ND | ND | ND | ND | ND |
| | Trichloroethylene | | 5* | 5 | **4200 J** | **3800 J** | **8,700** | **10,000** | **6,500 DJ** | **5,900 DJ** |
| | Trichlorofluoromethane | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | Vinyl chloride | | 1 | 1 | **450** | **480** | ND | ND | **930** | **930** |
| | | | | **Sample Date** | **4/6/2015** | **4/6/2015** | **10/16/2015** | **10/16/2015** | **3/16/2016** | **3/16/2016** |
| EPA Method 6010 Priority Pollutant Metals | Antimony | ug/L | 3 | 3 | **6** | **7** | ND | ND | ND | ND |
| | Arsenic | | 25 | 25 | 15 | 14 | **30** | 23 | 16 J | 16 J |
| | Beryllium | | 11*** | 3 | ND | ND | 2 | 1 | 1 | ND |
| | Cadmium | | 5 | 5 | **75** | **78** | **91** | **78** | **64** | **33** |
| | Chromium | | 50 | 50 | 13 | 18 | **74** | 41 | 12 | 6 |
| | Copper | | 200 | 200 | 26 | 33 | 101 | 71 | 108 | 31 |
| | Lead | | 25 | 25 | 7 | 10 | **51** | **39** | **70** | 15 |
| | Nickel | | 100 | 100 | **870** | **857** | **367** | **321** | **226** | **185** |
| | Selenium | | 10 | 10 | ND J | ND J | **15** | ND | ND | ND |
| | Silver | | 50 | 50 | ND | ND | ND | ND | ND | ND |
| | Thallium | | 8 | 0.5 | ND | ND | ND | ND | ND | ND |
| | Zinc | | NS | 2,000 | 250 | 259 | 466 | 325 | 244 | 103 |
| | Mercury | | 0.7 | 1 | ND J | ND J | ND J | ND J | ND | ND |

NOTES:
1) * denotes that the principal organic compound (POC) standard of 5 ug/L applies to this compound
2) ** denotes that this standard applies to the sum of both isomers
3) *** denotes that this standard applies as long as total hardness is below 75 mg/L. If total hardness exceeds 75 mg/L, the standard is 1,100 ug/L.
4) NS = No standard exists in Part 703 for this compound
5) ND = Not detected
6) '-- = Not analyzed for this compound.
7) Results exceeding one or both groundwater quality standards are presented in **BOLD** and shaded.
8) The flag J denotes a detection above the minimum detection but below the reporting limit. The noted concentration is an estimate.
9) The flag B denotes a compound that was also detected in the laboratory method blank. Therefore, this detection may represent a laboatory artifact.
10) The flag UJ denotes a concentration that was estimated due to a poor calibration performance or poor matrix spike recoveries.
11) The flag DJ denotes a concentration that was estimated because the second analysis of these samples was performed outside the 12-hour window defined by the BFB standard.
12) The flag R denotes a result rejected during data vaildation.

**Table 2:** Groundwater Monitoring Data
BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics Site (Current CVS Building)
Washington Avenue and Schwenk Drive, City of Kingston, Ulster County, New York

| Sample Location | | | | | MW-2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Date | | | | | 12/23/2009 | 4/20/2011 | 10/20/2011 | 3/27/2012 | 10/9/2012 | 10/9/2012 (DUP) |
| Analyte | | Units | Part 703 Groundwater Standard | TOGS 1.1.1 Groundwater Standard | Pre-Remedy Results | Post-Remedy Results | | | | |
| EPA Method 8260 Volatile Organic Compounds | 1,1,1,2-Tetrachloroethane | ug/L | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | 1,1,1-Trichloroethane | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | 1,1,2,2-Tetrachloroethane | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | 1,1,2-Trichloroethane | | 1 | 1 | -- | ND | ND | ND | ND | ND |
| | 1,1-Dichloroethane | | 5* | 0.6 | ND | 1.1 J | 1.3 J | 1.3 J | 1.7 J | 1.4 J |
| | 1,1-Dichloroethylene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | 1,1-Dichloropropylene | | NS | 5 | -- | ND | ND | ND J | ND | ND |
| | 1,2,3-Trichlorobenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | 1,2,3-Trichloropropane | | 0.04 | 0.04 | -- | ND | ND | ND | ND | ND |
| | 1,2,3-Trimethylbenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | 1,2,4-Trichlorobenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | 1,2,4-Trimethylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | 1,2-Dibromo-3-chloropropane | | 0.04 | 0.04 | -- | ND | ND | ND | ND | ND |
| | 1,2-Dibromoethane | | NS | 5 | -- | ND | ND | ND | ND | ND |
| | 1,2-Dichlorobenzene | | 3** | 3 | -- | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethane | | 0.6 | 0.6 | -- | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethylene (Total) | | 5* | 5 | **33** | **17** | **25** | **29** | **48** | **45** |
| | 1,2-Dichloropropane | | 1 | 1 | -- | ND | ND | ND | ND | ND |
| | 1,3,5-Trimethylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | 1,3-Dichlorobenzene | | 3** | 3 | -- | ND | ND | ND | ND | ND |
| | 1,3-Dichloropropane | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | 1,4-Dichlorobenzene | | 3** | 3 | -- | ND | ND | ND | ND | ND |
| | 1-Chlorohexane | | NS | 5 | -- | ND | ND | ND | ND | ND |
| | 2,2-Dichloropropane | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | 2-Chlorotoluene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | 4-Chlorotoluene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | Benzene | | 1 | 1 | -- | ND | ND | ND | ND | ND |
| | Bromobenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | Bromochloromethane | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | Bromodichloromethane | | NS | 50 | -- | ND | ND | ND | ND | ND |
| | Bromoform | | NS | 50 | -- | ND | ND | ND | ND | ND |
| | Bromomethane | | 5* | 5 | -- | ND | ND | ND J | ND | ND |
| | Carbon Tetrachloride | | 5 | 5 | -- | ND | ND | ND J | ND | ND |
| | Chlorobenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | Chloroethane | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | Chloroform | | 7 | 7 | -- | ND | ND | ND | ND | ND |
| | Chloromethane | | NS | 5 | -- | ND | ND | ND | ND | ND |
| | cis-1,3-Dichloropropylene | | 0.4** | 5 | -- | ND | ND | ND | ND | ND |
| | Dibromochloromethane | | NS | 50 | -- | ND | ND | ND | ND | ND |
| | Dibromomethane | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | Dichlorodifluoromethane | | 5* | 5 | -- | ND | ND | R | ND | ND |
| | Ethylbenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | Hexachlorobutadiene | | 0.5 | 0.5 | -- | ND | ND | ND | ND | ND |
| | Isopropylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | Methyl tert-butyl ether (MTBE) | | NS | 10 | -- | ND | ND | ND | ND | ND |
| | Methylene chloride | | 5* | 5 | 4 | 3.6 JB | 4.9 JB | ND | ND | ND |
| | Naphthalene | | 10 | 10 | ND | ND | ND | ND | ND | ND |
| | n-Butylbenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | n-Propylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | o-Xylene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | p-&m-Xylenes | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | p-Isopropyltoluene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | sec-Butylbenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | Styrene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | tert-Butylbenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | Tetrachloroethylene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | Toluene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | trans-1,3-Dichloropropylene | | 0.4** | 5 | -- | ND | ND | ND | ND | ND |
| | Trichloroethylene | | 5* | 5 | **51** | 3.6 J | 3.2 J | ND | 3.3 J | 2.8 J |
| | Trichlorofluoromethane | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | Vinyl chloride | | 1 | 1 | **10** | **7.1** | **6.7** | **5.7** | **8.8** | **7.0** |
| | | | | | **Sample Date** | **12/23/2009** | **4/20/2011** | **10/20/2011** | **3/27/2012** | **10/9/2012** | **10/9/2012** |
| EPA Method 6010 Priority Pollutant Metals | Antimony | ug/L | 3 | 3 | ND | ND | ND | ND | ND | ND |
| | Arsenic | | 25 | 25 | **29** | ND | ND | ND | ND | ND |
| | Beryllium | | 11*** | 3 | **6** | ND | ND | ND | ND | ND |
| | Cadmium | | 5 | 5 | 10 | ND | ND | ND | ND | ND |
| | Chromium | | 50 | 50 | **58** | 12 | 7 | 5 | ND | ND |
| | Copper | | 200 | 200 | **430** | 9 | 5 | 6 J | 6 | 7 |
| | Lead | | 25 | 25 | **552** | 10 | 7 | 6 J | 8 | 6 |
| | Nickel | | 100 | 100 | **113** | 41 | 27 | 33 | 18 | 19 |
| | Selenium | | 10 | 10 | **28** | 10 | 12 | **21 J** | **18** | **17** |
| | Silver | | 50 | 50 | ND | ND | ND | ND | ND | ND |
| | Thallium | | 8 | 0.5 | ND | ND | ND | ND | **21** | **21** |
| | Zinc | | NS | 2,000 | 431 | 44 | 26 | 35 | 34 | 43 |
| | Mercury | | 0.7 | 1 | **1.6** | ND | ND | ND | ND | ND |

NOTES:
1) * denotes that the principal organic compound (POC) standard of 5 ug/L applies to this compound
2) ** denotes that this standard applies to the sum of both isomers
3) *** denotes that this standard applies as long as total hardness is below 75 mg/L. If total hardness exceeds 75 mg/L, the standard is 1,100 ug/L.
4) NS = No standard exists in Part 703 for this compound
5) ND = Not detected
6) '-- = Not analyzed for this compound.
7) Results exceeding one or both groundwater quality standards are presented in **BOLD** and shaded.
8) The flag J denotes a detection above the minimum detection but below the reporting limit. The noted concentration is an estimate.
9) The flag B denotes a compound that was also detected in the laboratory method blank. Therefore, this detection may represent a laboatory artifact.
10) The flag UJ denotes a concentration that was estimated due to a poor calibration performance or poor matrix spike recoveries.
11) The flag DJ denotes a concentration that was estimated because the second analysis of these samples was performed outside the 12-hour window defined by the BFB standard.
12) The flag R denotes a result rejected during data vaildation.

**Table 2:** Groundwater Monitoring Data
BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics Site (Current CVS Building)
Washington Avenue and Schwenk Drive, City of Kingston, Ulster County, New York

| Sample Location | | | | | MW-2 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Date | | | | | 3/11/2013 | 10/25/2013 | 3/26/2014 | 10/3/2014 | 4/6/2015 | 10/16/2015 | 3/16/2016 |
| Analyte | | Units | Part 703 Groundwater Standard | TOGS 1.1.1 Groundwater Standard | Post-Remedy Results | | | | | | |
| EPA Method 8260 Volatile Organic Compounds | 1,1,1,2-Tetrachloroethane | ug/L | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,1-Trichloroethane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,2,2-Tetrachloroethane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,2-Trichloroethane | | 1 | 1 | ND | ND | ND | ND | ND | ND | ND |
| | 1,1-Dichloroethane | | 5* | 0.6 | ND | ND | ND | 1.3 | ND | 0.53 | 0.37 J |
| | 1,1-Dichloroethylene | | 5* | 5 | ND | ND | ND | 0.41 J | ND | ND | ND |
| | 1,1-Dichloropropylene | | NS | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 1,2,3-Trichlorobenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 1,2,3-Trichloropropane | | 0.04 | 0.04 | ND | ND | ND | ND | ND | ND | ND |
| | 1,2,3-Trimethylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 1,2,4-Trichlorobenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 1,2,4-Trimethylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dibromo-3-chloropropane | | 0.04 | 0.04 | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dibromoethane | | NS | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichlorobenzene | | 3** | 3 | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethane | | 0.6 | 0.6 | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethylene (Total) | | 5* | 5 | **27** | **18** | **20.28 J** | **34.42 J** | **25 J** | **11** | **7.2** |
| | 1,2-Dichloropropane | | 1 | 1 | ND | ND | ND | ND | ND | ND | ND |
| | 1,3,5-Trimethylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 1,3-Dichlorobenzene | | 3** | 3 | ND | ND | ND | ND | ND | ND | ND |
| | 1,3-Dichloropropane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 1,4-Dichlorobenzene | | 3** | 3 | ND | ND | ND | ND | ND | ND | ND |
| | 1-Chlorohexane | | NS | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 2,2-Dichloropropane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 2-Chlorotoluene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 4-Chlorotoluene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Benzene | | 1 | 1 | ND | ND | ND | ND | ND | ND | ND |
| | Bromobenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Bromochloromethane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Bromodichloromethane | | NS | 50 | ND | ND | ND | ND | ND | ND | ND |
| | Bromoform | | NS | 50 | ND | ND | ND | ND | ND | ND | ND |
| | Bromomethane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND J |
| | Carbon Tetrachloride | | 5 | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Chlorobenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Chloroethane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Chloroform | | 7 | 7 | ND | ND | ND | ND | ND | ND | ND |
| | Chloromethane | | NS | 5 | ND | ND | ND | ND | ND | ND | ND J |
| | cis-1,3-Dichloropropylene | | 0.4** | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Dibromochloromethane | | NS | 50 | ND | ND | ND | ND | ND | ND | ND |
| | Dibromomethane | | 5* | 5 | ND | ND | R | ND | ND | ND | ND |
| | Dichlorodifluoromethane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Ethylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Hexachlorobutadiene | | 0.5 | 0.5 | ND | ND | ND | ND | ND | ND | ND |
| | Isopropylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Methyl tert-butyl ether (MTBE) | | NS | 10 | ND | ND | ND | ND | ND | ND | ND |
| | Methylene chloride | | 5* | 5 | ND | ND | ND | ND | 2.6 J | 2.6 J | ND |
| | Naphthalene | | 10 | 10 | ND | ND | ND | ND | ND | ND | ND |
| | n-Butylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | n-Propylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | o-Xylene | | 5* | 5 | ND | ND | R | ND | ND | ND | ND |
| | p-&m-Xylenes | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | p-Isopropyltoluene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | sec-Butylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Styrene | | 5* | 5 | ND | ND | R | ND | ND | ND | ND |
| | tert-Butylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Tetrachloroethylene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Toluene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | trans-1,3-Dichloropropylene | | 0.4** | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Trichloroethylene | | 5* | 5 | 1.8 J | ND | 1.4 J | 2.2 J | ND J | 1.6 | 0.83 J |
| | Trichlorofluoromethane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Vinyl chloride | | 1 | 1 | ND | ND | **12** | **20** | **6.9** | **3.7** | **1.1** |
| | | | | **Sample Date** | **3/11/2013** | **10/25/2013** | **3/26/2014** | **10/3/2014** | **4/6/2015** | **10/16/2015** | **3/16/2016** |
| EPA Method 6010 Priority Pollutant Metals | Antimony | ug/L | 3 | 3 | ND | ND | ND | ND | ND | ND | **6** |
| | Arsenic | | 25 | 25 | ND | **43** | ND | ND | 5 | 6 | ND |
| | Beryllium | | 11*** | 3 | ND | **5** | ND | ND | ND | ND | ND |
| | Cadmium | | 5 | 5 | 4 | **30** | 4 | ND | ND | ND | ND |
| | Chromium | | 50 | 50 | 7 | **160** | 7 | 8 | 8 | 6 | ND |
| | Copper | | 200 | 200 | ND | ND | 6 J | 13 | 12 | 40 | 19 |
| | Lead | | 25 | 25 | 7 | 7 | 7 | 9 | 6 | **30** | 11 |
| | Nickel | | 100 | 100 | 73 | 73 | 73 | 28 | 30 | 17 | ND |
| | Selenium | | 10 | 10 | **19** | **19** | **19** | ND | ND J | ND | ND |
| | Silver | | 50 | 50 | ND | ND | ND | ND | ND | ND | ND |
| | Thallium | | 8 | 0.5 | ND | ND | ND | ND | ND | 8 | 7 |
| | Zinc | | NS | 2,000 | 57 | 57 | 57 | 43 | 26 | 127 | 26 |
| | Mercury | | 0.7 | 1 | ND | ND | ND | ND | ND J | ND J | ND |

NOTES:
1) * denotes that the principal organic compound (POC) standard of 5 ug/L applies to this compound
2) ** denotes that this standard applies to the sum of both isomers
3) *** denotes that this standard applies as long as total hardness is below 75 mg/L. If total hardness exceeds 75 mg/L, the standard is 1,100 ug/L.
4) NS = No standard exists in Part 703 for this compound
5) ND = Not detected
6) '-- = Not analyzed for this compound.
7) Results exceeding one or both groundwater quality standards are presented in **BOLD** and shaded.
8) The flag J denotes a detection above the minimum detection but below the reporting limit. The noted concentration is an estimate.
9) The flag B denotes a compound that was also detected in the laboratory method blank. Therefore, this detection may represent a laboatory artifact.
10) The flag UJ denotes a concentration that was estimated due to a poor calibration performance or poor matrix spike recoveries.
11) The flag DJ denotes a concentration that was estimated because the second analysis of these samples was performed outside the 12-hour window defined by the BFB standard.
12) The flag R denotes a result rejected during data vaildation.

**Table 2:** Groundwater Monitoring Data
BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics Site (Current CVS Building)
Washington Avenue and Schwenk Drive, City of Kingston, Ulster County, New York

| Sample ID | | | | | MW-5 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sample Date | | | | | 1/14/2010 | 4/20/2011 | 10/20/2011 | 3/27/2012 | 10/9/2012 | 3/11/2013 |
| Analyte | | Units | Part 703 Groundwater Standard | TOGS 1.1.1 Groundwater Standard | Pre-Remedy Results | Post-Remedy Results | | | | |
| EPA Method 8260 Volatile Organic Compounds | 1,1,1,2-Tetrachloroethane | ug/L | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | 1,1,1-Trichloroethane | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | 1,1,2,2-Tetrachloroethane | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | 1,1,2-Trichloroethane | | 1 | 1 | -- | ND | ND | ND | ND | ND |
| | 1,1-Dichloroethane | | 5* | 0.6 | ND | ND | ND | ND | 0.81 J | ND |
| | 1,1-Dichloroethylene | | 5* | 5 | ND | ND | ND | ND | **53** | ND |
| | 1,1-Dichloropropylene | | NS | 5 | -- | ND | ND | ND J | ND | ND |
| | 1,2,3-Trichlorobenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | 1,2,3-Trichloropropane | | 0.04 | 0.04 | -- | ND | ND | ND | ND | ND |
| | 1,2,3-Trimethylbenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | 1,2,4-Trichlorobenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | 1,2,4-Trimethylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | 1,2-Dibromo-3-chloropropane | | 0.04 | 0.04 | -- | ND | ND | ND | ND | ND |
| | 1,2-Dibromoethane | | NS | 5 | -- | ND | ND | ND | ND | ND |
| | 1,2-Dichlorobenzene | | 3** | 3 | -- | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethane | | 0.6 | 0.6 | -- | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethylene (Total) | | 5* | 5 | ND | ND | 3.4 J | ND | ND | **7.2** |
| | 1,2-Dichloropropane | | 1 | 1 | -- | ND | ND | ND | ND | ND |
| | 1,3,5-Trimethylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | 1,3-Dichlorobenzene | | 3** | 3 | -- | ND | ND | ND | ND | ND |
| | 1,3-Dichloropropane | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | 1,4-Dichlorobenzene | | 3** | 3 | -- | ND | ND | ND | ND | ND |
| | 1-Chlorohexane | | NS | 5 | -- | ND | ND | ND | ND | ND |
| | 2,2-Dichloropropane | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | 2-Chlorotoluene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | 4-Chlorotoluene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | Benzene | | 1 | 1 | -- | ND | ND | ND | ND | ND |
| | Bromobenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | Bromochloromethane | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | Bromodichloromethane | | NS | 50 | -- | ND | ND | ND | ND | ND |
| | Bromoform | | NS | 50 | -- | ND | ND | ND | ND | ND |
| | Bromomethane | | 5* | 5 | -- | ND | ND | ND J | ND | ND |
| | Carbon Tetrachloride | | 5 | 5 | -- | ND | ND | ND J | ND | ND |
| | Chlorobenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | Chloroethane | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | Chloroform | | 7 | 7 | -- | ND | ND | ND | ND | ND |
| | Chloromethane | | NS | 5 | -- | ND | ND | ND | ND | ND |
| | cis-1,3-Dichloropropylene | | 0.4** | 5 | -- | ND | ND | ND | ND | ND |
| | Dibromochloromethane | | NS | 50 | -- | ND | ND | ND | ND | ND |
| | Dibromomethane | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | Dichlorodifluoromethane | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | Ethylbenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | Hexachlorobutadiene | | 0.5 | 0.5 | -- | ND | ND | ND | ND | ND |
| | Isopropylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | Methyl tert-butyl ether (MTBE) | | NS | 10 | -- | ND | ND | ND J | ND | ND J |
| | Methylene chloride | | 5* | 5 | 2 | 3.9 JB | 4.6 JB | ND | ND | ND |
| | Naphthalene | | 10 | 10 | ND | ND | ND | ND J | ND | ND |
| | n-Butylbenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | n-Propylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | o-Xylene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | p-&m-Xylenes | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | p-Isopropyltoluene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | sec-Butylbenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | Styrene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | tert-Butylbenzene | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | Tetrachloroethylene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | Toluene | | 5* | 5 | ND | ND | ND | ND | ND | ND |
| | trans-1,3-Dichloropropylene | | 0.4** | 5 | -- | ND | ND | ND | ND | ND |
| | Trichloroethylene | | 5* | 5 | ND | ND | **6.1** | ND | **45** | **9.4** |
| | Trichlorofluoromethane | | 5* | 5 | -- | ND | ND | ND | ND | ND |
| | Vinyl chloride | | 1 | 1 | ND | ND | ND | ND | ND | ND J |
| | | | | **Sample Date** | **1/14/2010** | **4/20/2011** | **10/20/2011** | **3/27/2012** | **10/9/2012** | **3/11/2013** |
| EPA Method 6010 Priority Pollutant Metals | Antimony | ug/L | 3 | 3 | ND | ND | ND | ND | ND | ND |
| | Arsenic | | 25 | 25 | ND | ND | ND | ND | ND | ND |
| | Beryllium | | 11*** | 3 | ND | ND | ND | ND | ND | ND |
| | Cadmium | | 5 | 5 | ND | ND | ND | ND | ND | ND |
| | Chromium | | 50 | 50 | 7 | ND | ND | ND | ND | ND |
| | Copper | | 200 | 200 | 94 | ND | 7 | ND J | ND | ND |
| | Lead | | 25 | 25 | **47** | 3 | 6 | ND J | ND | ND |
| | Nickel | | 100 | 100 | 29 | 8 | 5 | ND | ND | 5 |
| | Selenium | | 10 | 10 | ND | ND | ND | ND | ND | **11** |
| | Silver | | 50 | 50 | ND | ND | ND | ND | ND | ND |
| | Thallium | | 8 | 0.5 | ND | ND | ND | ND | ND | ND |
| | Zinc | | NS | 2,000 | 80 | 35 | 25 | ND | 20 | 22 |
| | Mercury | | 0.7 | 1 | ND | ND | ND | ND J | ND J | ND |

NOTES:
1) * denotes that the principal organic compound (POC) standard of 5 ug/L applies to this compound
2) ** denotes that this standard applies to the sum of both isomers
3) *** denotes that this standard applies as long as total hardness is below 75 mg/L. If total hardness exceeds 75 mg/L, the standard is 1,100 ug/L.
4) NS = No standard exists in Part 703 for this compound
5) ND = Not detected
6) '-- = Not analyzed for this compound.
7) Results exceeding one or both groundwater quality standards are presented in **BOLD** and shaded.
8) The flag J denotes a detection above the minimum detection but below the reporting limit. The noted concentration is an estimate.
9) The flag B denotes a compound that was also detected in the laboratory method blank. Therefore, this detection may represent a laboatory artifact.
10) The flag UJ denotes a concentration that was estimated due to a poor calibration performance or poor matrix spike recoveries.
11) The flag DJ denotes a concentration that was estimated because the second analysis of these samples was performed outside the 12-hour window defined by the BFB standard.
12) The flag R denotes a result rejected during data vaildation.

**Table 2:** Groundwater Monitoring Data
BCP Site No. C356035 - Former Utility Platers and Kingston Diagnostics Site (Current CVS Building)
Washington Avenue and Schwenk Drive, City of Kingston, Ulster County, New York

| Sample ID | | | | | MW-5 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Date | | | | | 10/25/2013 | 10/25/13 (MW-DUP) | 3/26/2014 | 10/2/2014 | 4/6/2015 | 10/16/2015 | 3/16/2016 |
| Analyte | | Units | Part 703 Groundwater Standard | TOGS 1.1.1 Groundwater Standard | Post-Remedy Results | | | | | | |
| EPA Method 8260 Volatile Organic Compounds | 1,1,1,2-Tetrachloroethane | ug/L | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,1-Trichloroethane | | 5* | 5 | ND | ND | 0.47 J | ND | ND | 0.69 | 0.27 J |
| | 1,1,2,2-Tetrachloroethane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 1,1,2-Trichloroethane | | 1 | 1 | ND | ND | ND | ND | ND | ND | ND |
| | 1,1-Dichloroethane | | 5* | 0.6 | ND | ND | 0.85 | 2.1 J | ND | 1.9 | 0.85 |
| | 1,1-Dichloroethylene | | 5* | 5 | ND | ND | 1.1 | 2.1 J | ND | 2.9 | 1.1 |
| | 1,1-Dichloropropylene | | NS | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 1,2,3-Trichlorobenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 1,2,3-Trichloropropane | | 0.04 | 0.04 | ND | ND | ND | ND | ND | ND | ND |
| | 1,2,3-Trimethylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 1,2,4-Trichlorobenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 1,2,4-Trimethylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dibromo-3-chloropropane | | 0.04 | 0.04 | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dibromoethane | | NS | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichlorobenzene | | 3** | 3 | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethane | | 0.6 | 0.6 | ND | ND | ND | ND | ND | ND | ND |
| | 1,2-Dichloroethylene (Total) | | 5* | 5 | **49** | **51** | **37.58** | **95** | **84 J** | **96.6** | **44.56** |
| | 1,2-Dichloropropane | | 1 | 1 | ND | ND | ND | ND | ND | ND | ND |
| | 1,3,5-Trimethylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 1,3-Dichlorobenzene | | 3** | 3 | ND | ND | ND | ND | ND | ND | ND |
| | 1,3-Dichloropropane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 1,4-Dichlorobenzene | | 3** | 3 | ND | ND | ND | ND | ND | ND | ND |
| | 1-Chlorohexane | | NS | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 2,2-Dichloropropane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 2-Chlorotoluene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | 4-Chlorotoluene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Benzene | | 1 | 1 | ND | ND | ND | ND | ND | ND | ND |
| | Bromobenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Bromochloromethane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Bromodichloromethane | | NS | 50 | ND | ND | ND | ND | ND | ND | ND |
| | Bromoform | | NS | 50 | ND | ND | ND | ND | ND | ND | ND |
| | Bromomethane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND J |
| | Carbon Tetrachloride | | 5 | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Chlorobenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Chloroethane | | 5* | 5 | ND | ND | ND | ND | ND | 0.56 | 0.21 J |
| | Chloroform | | 7 | 7 | ND | ND | ND | ND | ND | ND | ND |
| | Chloromethane | | NS | 5 | ND | ND | ND | ND | ND | ND | ND J |
| | cis-1,3-Dichloropropylene | | 0.4** | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Dibromochloromethane | | NS | 50 | ND | ND | ND | ND | ND | ND | ND |
| | Dibromomethane | | 5* | 5 | ND | ND | R | ND | ND | ND | ND |
| | Dichlorodifluoromethane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Ethylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Hexachlorobutadiene | | 0.5 | 0.5 | ND | ND | ND | ND | ND | ND | ND |
| | Isopropylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Methyl tert-butyl ether (MTBE) | | NS | 10 | ND | ND | ND | ND | ND | ND | ND |
| | Methylene chloride | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Naphthalene | | 10 | 10 | ND | ND | ND | ND | ND | ND | ND |
| | n-Butylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | n-Propylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | o-Xylene | | 5* | 5 | ND | ND | R | ND | ND | ND | ND |
| | p-&m-Xylenes | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | p-Isopropyltoluene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | sec-Butylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Styrene | | 5* | 5 | ND | ND | R | ND | ND | ND | ND |
| | tert-Butylbenzene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Tetrachloroethylene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Toluene | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | trans-1,3-Dichloropropylene | | 0.4** | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Trichloroethylene | | 5* | 5 | **78** | **84** | **110** | **230** | **290 J** | **400 E** | **150 J** |
| | Trichlorofluoromethane | | 5* | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Vinyl chloride | | 1 | 1 | ND | ND | ND | ND | ND | 0.41 J | ND |
| | | | | Sample Date | 10/25/2013 | 10/25/2013 | 3/26/2014 | 10/3/2014 | 4/6/2015 | 10/16/2015 | 3/16/2016 |
| EPA Method 6010 Priority Pollutant Metals | Antimony | ug/L | 3 | 3 | ND | ND | ND | ND | ND | ND | **7** |
| | Arsenic | | 25 | 25 | ND | 4 | ND | 7 | 9 | **26** | ND |
| | Beryllium | | 11*** | 3 | ND | ND | ND | ND | ND | ND | ND |
| | Cadmium | | 5 | 5 | ND | ND | ND | ND | ND | ND | ND |
| | Chromium | | 50 | 50 | ND | ND | ND | ND | 9 | 8 | ND |
| | Copper | | 200 | 200 | 5 | 4 | R | ND | 10 | 46 | 14 |
| | Lead | | 25 | 25 | ND | 4 | ND | ND | 3 | **27** | 6 |
| | Nickel | | 100 | 100 | 12 | 12 | 5 | 18 | 13 | 36 | ND |
| | Selenium | | 10 | 10 | ND | ND | ND | **11** | ND J | ND | ND |
| | Silver | | 50 | 50 | ND | ND | ND | ND | ND | ND | ND |
| | Thallium | | 8 | 0.5 | ND | ND | ND | ND | ND | **17** | ND |
| | Zinc | | NS | 2,000 | 29 | 29 | 22 | 32 | 19 | 154 | 29 |
| | Mercury | | 0.7 | 1 | ND | ND | ND | ND | ND J | ND J | ND |

NOTES:
1) * denotes that the principal organic compound (POC) standard of 5 ug/L applies to this compound
2) ** denotes that this standard applies to the sum of both isomers
3) *** denotes that this standard applies as long as total hardness is below 75 mg/L. If total hardness exceeds 75 mg/L, the standard is 1,100 ug/L.
4) NS = No standard exists in Part 703 for this compound
5) ND = Not detected
6) '-- = Not analyzed for this compound.
7) Results exceeding one or both groundwater quality standards are presented in **BOLD** and shaded.
8) The flag J denotes a detection above the minimum detection but below the reporting limit. The noted concentration is an estimate.
9) The flag B denotes a compound that was also detected in the laboratory method blank. Therefore, this detection may represent a laboatory artifact.
10) The flag UJ denotes a concentration that was estimated due to a poor calibration performance or poor matrix spike recoveries.
11) The flag DJ denotes a concentration that was estimated because the second analysis of these samples was performed outside the 12-hour window defined by the BFB standard.
12) The flag R denotes a result rejected during data vaildation.

# Appendix A:
# Field Sampling Sheets, SSDS Monitoring Forms, Site-Wide Inspection Form

THE Chazen COMPANIES

# Chazen Environmental Services, Inc
# Field Data Sheet

**SAMPLE INFORMATION:**

**Sample ID:** KC-MW-1 **Sample Date:** 10.16.15 **Sample Time:**

**Well ID:** MW-1 **Sample Matrix:** GW SW DW Soil Other:

Project Name: Kingston CVS Project and Task#: 41103.00

Sample Location/Task: Proj. Manager: EJC

**WELL INFORMATION:**

Well Condition: Good

Lock Type: None Key #: N/A

**PURGE DATA:**

Measuring Point: TOC

Depth to Bottom: 26.20

Water Level: 15.41

Height of Water Column: 10.79

Purge Method: Bailer

Start Date: 10.16.15

Start Time:

Stop Time:

**Calculated Volume:**

A = Water Column
*(Bottom Depth-Depth to Water)*

B = Gallons/Foot

C = # of Volumes To Be Purged

A x B x C = Gallons To Be Purged

Gallons to be purged: 5.27

| Pipe Width | Gal/ Foot |
|---|---|
| 1.5" | 0.092 |
| 2.0" | 0.163 |
| 3.0" | 0.367 |
| 4.0" | 0.653 |
| 6.0" | 1.469 |
| 8.0' | 2.611 |

**Actual Volume:**

Purge Rate (gpm):

Elapsed Time (min): 5

Well Volumes Purged (#): 2

Purge Volume (gal): 4.5

Well went dry?: • No • Yes

Condition: • No Odor • Odor

• Clear • Sl.Turbid • Turbid

**FIELD RESULTS:**

| Water Level | Sample Depth | Temperature | pH | Conductivity | Turbidity | Other: |
|---|---|---|---|---|---|---|
| | Start | | | | | Sl. Septic |
| | Volume 1 | 15.7 | 6.96 | 2631 | Cloudy | Sl. Septic |
| | Volume 2 | 14.3 | 6.94 | 2590 | Turbid | |
| | Volume 3 | Dry | | | | |
| | Volume 4 | | | | | |
| | Sample | | | | | |

**SAMPLE INFORMATION:**

Sample Method: Bailer Sample Type: • Composite • Grab

*i.e. Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, etc..* Sample Depth:

Weather: Sample Technician(s): DF

Notes: FD-01 Collected here

**LAB REQUESTS:**

| Laboratory Name: | Analysis/Method: | Turn Around Time: |
|---|---|---|
| York | 8260, VOC's | Std. |
| | Priority Pollutant Metals | |

**QA/QC**

• Duplicate • Field Blank • Equip. Blank • Trip Blank

SAMPLE TRANSPORT: Transported Via: York Date: 10.19

THE Chazen COMPANIES

# Chazen Environmental Services, Inc
# Field Data Sheet

**SAMPLE INFORMATION:**

**Sample ID:** KC-MW-2 **Sample Date:** 10.16.15 **Sample Time:**

**Well ID:** MW-2 **Sample Matrix:** (GW) SW DW Soil Other:

Project Name: Kingston CVS Project and Task#: 41103.00

Sample Location/Task: Proj. Manager: EJO

**WELL INFORMATION:**

Well Condition: good

Lock Type: None Key #: N/A

**PURGE DATA:**

Measuring Point: TOC

Depth to Bottom: 24.45

Water Level: 17.56

Height of Water Column: 6.89

Purge Method: Bailer

Start Date: 10.16.15

Start Time: 11:30

Stop Time: 11:34

**Calculated Volume:**

A = Water Column
*(Bottom Depth-Depth to Water)*

B = Gallons/Foot

C = # of Volumes To Be Purged

A x B x C = Gallons To Be Purged

Gallons to be purged: 3.37

| Pipe Width | Gal/ Foot |
|---|---|
| 1.5" | 0.092 |
| 2.0" | 0.163 |
| 3.0" | 0.367 |
| 4.0" | 0.653 |
| 6.0" | 1.469 |
| 8.0' | 2.611 |

**Actual Volume:**

Purge Rate (gpm):

Elapsed Time (min): 4

Well Volumes Purged (#): ~2

Purge Volume (gal): ~2.5

Well went dry?: • No • Yes

Condition: • No Odor • Odor

• Clear • Sl.Turbid • Turbid

**FIELD RESULTS:**

| | Water Level | Sample Depth | Temperature | pH | Conductivity | Turbidity | Other: odor |
|---|---|---|---|---|---|---|---|
| | 17.56 | Start | 16.0 | 6.90 | 1950 | – | Sl. septic |
| | | Volume 1 | 16.1 | 6.93 | 1967 | cloudy | Sl. septic |
| | | Volume 2 | 19.2 | 6.93 | 2536 | cloudy | Sl. septic |
| | | Volume 3 | Dry | | | | |
| | | Volume 4 | | | | | |
| | | Sample | | | | | |

**SAMPLE INFORMATION:**

Sample Method: Bailer Sample Type: • Composite • Grab

*i.e. Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, etc..* Sample Depth:

Weather: Sun, wind, ~60° Sample Technician(s): D.F.

Notes:

**LAB REQUESTS:**

| Laboratory Name: | Analysis/Method: | Turn Around Time: |
|---|---|---|
| York | 8260 VOC's | Std. |
| | Priority Pollutant Metals | |

**QA/QC**

• Duplicate • Field Blank • Equip. Blank • Trip Blank

SAMPLE TRANSPORT: Transported Via: York Date: 10.19

THE Chazen COMPANIES

# Chazen Environmental Services, Inc
# Field Data Sheet

**SAMPLE INFORMATION:**
**Sample ID:** ~~MW-~~ KC-MW-5 **Sample Date:** 10.16.15 **Sample Time:** _____
**Well ID:** MW-5 **Sample Matrix:** (GW) SW DW Soil Other: _____
Project Name: Kingston CVS Project and Task#: 41103.00
Sample Location/Task: _____ Proj. Manager: EJO

**WELL INFORMATION:**
Well Condition: Good
Lock Type: N/A Key #: N/A

**PURGE DATA:**
Measuring Point: TOC
Depth to Bottom: 24.20
Water Level: 8.20
Height of Water Column: 16.00
Purge Method: Bailer
Start Date: ~~10.15~~ ~~10.16~~ 10.16
Start Time: ~~11:27~~ 11:15
Stop Time: 11:27

**Calculated Volume:**
A = Water Column
*(Bottom Depth-Depth to Water)*
B = Gallons/Foot
C = # of Volumes To Be Purged
A x B x C = Gallons To Be Purged

Gallons to be purged: 7.8

| Pipe Width | Gal/ Foot |
|---|---|
| 1.5" | 0.092 |
| (2.0" | 0.163) |
| 3.0" | 0.367 |
| 4.0" | 0.653 |
| 6.0" | 1.469 |
| 8.0' | 2.611 |

**Actual Volume:**
Purge Rate (gpm): _____
Elapsed Time (min): 12
Well Volumes Purged (#): 2
Purge Volume (gal): ~5.5
Well went dry?: • No • Yes
Condition: • No Odor • Odor
• Clear • Sl.Turbid • Turbid

**FIELD RESULTS:**

| Water Level | Sample Depth | Temperature | pH | Conductivity | Turbidity | Other: odor |
|---|---|---|---|---|---|---|
| 8.20 | Start | 21.0 | 6.71 | 2959 | somewhat | None |
| | Volume 1 | 19.1 | 6.79 | 3889 | " | None |
| | Volume 2 | 19.0 | 6.80 | 2861 | Moderate | Mas. |
| | Volume 3 | Dry | | | | |
| | Volume 4 | | | | | |
| | Sample | | | | | |

**SAMPLE INFORMATION:**
Sample Method: Bailer
*i.e. Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, etc..*
Sample Type: • Composite • (Grab)
Sample Depth: _____
Weather: _____ Sample Technician(s): DF
Notes: _____

**LAB REQUESTS:**

| Laboratory Name: | Analysis/Method: | Turn Around Time: |
|---|---|---|
| York | 8260 VOC | |
| | Priority Pollutant Metals | Std |

**QA/QC**
• Duplicate • Field Blank • Equip. Blank • Trip Blank

SAMPLE TRANSPORT:
Transported Via: _____ Date: 10.16

# FIELD DATA SHEET

**SAMPLE INFORMATION:**

Sample ID: KC-MW-01
Well ID: MW-1
Project Name: Kingston OS
Sample Location:

Sample Time: 1509
Sample Date: 3-16-16
Sample Tech(s): MM
Project and Task #: 41103.00
Project Manager: ETo

Sample Matrix *(circle)*: **Groundwater** Soil Surface Water Air Drinking Water Other:

**WELL INFORMATION:**

Well Condition: Good.

Lock Type: None Key #: NA

**PURGE DATA:**

Measuring Point: TOC-PVC
Depth to Bottom: 20.20
Depth to Water: 16.27
Water Column Height: *(A)* 3.93
*(depth to bottom - depth to water)*

# of Volumes to be Purged: *(C)* 3

Gal. to be Purged: *(AxBxC)* 4.85

| Pipe Width | Gal/Foot *(B)* |
|---|---|
| 1.0" | 0.037 |
| 1.5" | 0.092 |
| 2.0" | 0.163 |
| 2.5" | 0.255 |
| 3.0" | 0.367 |
| 4.0" | 0.653 |
| 6.0" | 1.469 |
| 8.0" | 2.611 |

Purge Method: Bailer
Start Date: 3-16-16
Start Time: 11:55
Stop Time: 12:07
Purge Rate (gpm):
Elapsed Time (min): 12 min.
Well Vol. Purged (#): 1+
Purge Vol. (gal): 2.00 gal.
Well went dry? No (Yes)
Conditions: (No Odor) Odor
Clear Slightly-Turbid (Turbid)

**FIELD RESULTS:**

| Gal purged | Date & Time | Depth to Water | Temp | SpCond | Cond. | Turb. | TDS | | DO | pH | ORP | odor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| gal | | ft | deg C | mS/cm | mS/cm | | g/L | | mg/L | | mV | |
| 1.5 | 11:55 | 16.27 | 14.8 | | 2608 | Turb. | — | — | — | 7.37 | — | none |
| | 12:05 | 23.16 | 13.8 | | 2476 | Turb. | — | — | — | 7.31 | — | none |
| 0.50 | 12:07 | | | | well went Dry | | | | | | | |
| | 15:00 | 15.43 | 14.6 | — | 2254 | Turb. | — | S | — | 7.32 | — | none |

**SAMPLE INFORMATION:**

Sample Method: Bailer *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*
Sample Type: (Grab) Composite
Weather: Sunny
Sample Depth: 16
Barometric Pres.:
Air Temp.(°F): 60's
Wind: Calm
Notes:

**LAB REQUESTS:**

Laboratory Name: York
Analysis/Method: 8260 VOCs
PP metals
Turn Around Time: Std.

QA/QC: (Duplicate) Equip. Blank Field Blank (Trip Blank)

# FIELD DATA SHEET

**SAMPLE INFORMATION:**

Sample ID: KC-MW-02
Well ID: MW-2
Project Name: Kingston CKS
Sample Location:

Sample Time: 1440
Sample Date: 3-16-16
Sample Tech(s): MM
Project and Task #: 41103.00
Project Manager: ETO

Sample Matrix *(circle)*: **Groundwater** Soil Surface Water Air Drinking Water Other:

**WELL INFORMATION:**

Well Condition: Good; ~3" water in well casing below PVC Top
Lock Type: none
Key #: N/A

**PURGE DATA:**

Measuring Point: TOC - PVC
Depth to Bottom: 24.50
Depth to Water: 17.33
Water Column Height: *(A)* 7.17
*(depth to bottom - depth to water)*

# of Volumes to be Purged: *(C)* 3

Gal. to be Purged: *(AxBxC)* 3.50

*(B)*

| Pipe Width | Gal/Foot |
|---|---|
| 1.0" | 0.037 |
| 1.5" | 0.092 |
| 2.0" | 0.163 |
| 2.5" | 0.255 |
| 3.0" | 0.367 |
| 4.0" | 0.653 |
| 6.0" | 1.469 |
| 8.0" | 2.611 |

Purge Method: Bailer
Start Date: 3-16-16
Start Time: 11:30
Stop Time: 11:42
Purge Rate (gpm):
Elapsed Time (min): 12 min
Well Vol. Purged (#): 1+
Purge Vol. (gal): ~1.5 gal.
Well went dry? No Yes
Conditions: No Odor Odor
Clear Slightly-Turbid Turbid

**FIELD RESULTS:**

| Gal purged | Date & Time | Depth to Water | Temp | SpCond | Cond. | Turb. | TDS | | DO | pH | ORP | odor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| gal | | ft | deg C | mS/cm | mS/cm | | g/L | | mg/L | | mV | |
| ~1.5 | 11:30 | 17.33 | 14.5 | — | >3999 | slight | — | — | — | 7.34 | — | none |
| | 11:40 | 23.30 | 14.9 | — | >3999 | Turb. | — | — | — | 7.25 | — | none |
| | 11:42 | | | | well went Dry | | | | | | | |
| | 14:40 | 21.81 | 15.6 | — | >3999 | Turb. | — | ~0 | — | 7.33 | — | none |

**SAMPLE INFORMATION:**

Sample Method: Bailer *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*
Sample Type: **Grab** Composite
Weather: Sunny
Sample Depth: 22'
Barometric Pres.:
Air Temp.(°F): 60's
Wind: Calm
Notes:

**LAB REQUESTS:**

Laboratory Name: York
Analysis/Method: 8260 VOCs
PP Metals
Turn Around Time: STD.

**QA/QC:** Duplicate Equip. Blank Field Blank Trip Blank

# FIELD DATA SHEET

**SAMPLE INFORMATION:**

Sample ID: KC-MW-05
Well ID: MW-5
Project Name: Kingston CVS
Sample Location:

Sample Time: 14:15
Sample Date: 3-16-16
Sample Tech(s): MM
Project and Task #: 41103.00
Project Manager: EJB

Sample Matrix *(circle)*: **Groundwater** Soil Surface Water Air Drinking Water Other:

**WELL INFORMATION:**

Well Condition: Good

Lock Type: none Key #: N/A

**PURGE DATA:**

Measuring Point: TOC-PVC
Depth to Bottom: 24.20
Depth to Water: 8.63
Water Column Height: *(A)* 15.57
*(depth to bottom - depth to water)*

# of Volumes to be Purged: *(C)* 3

Gal. to be Purged: *(AxBxC)* 7.61

| Pipe Width | *(B)* Gal/Foot |
|---|---|
| 1.0" | 0.037 |
| 1.5" | 0.092 |
| 2.0" | 0.163 |
| 2.5" | 0.255 |
| 3.0" | 0.367 |
| 4.0" | 0.653 |
| 6.0" | 1.469 |
| 8.0" | 2.611 |

Purge Method: Bailer
Start Date: 3-16-16
Start Time: 10:25
Stop Time: 11:15
Purge Rate (gpm):
Elapsed Time (min): 50 min.
Well Vol. Purged (#): 2+
Purge Vol. (gal): ~7.0 gal
Well went dry? No (Yes)
Conditions: (No Odor) Odor
Clear (Slightly-Turbid) (Turbid)

**FIELD RESULTS:**

| Gal purged | Date & Time | Depth to Water | (Temp) | SpCond | (Cond.) | Turb. | TDS | | DO | (pH) | ORP | odor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| gal | | ft | deg C | mS/cm° | mS/cm | | g/L | | mg/L | | mV | |
| ~2.5 | 10:25 | 8.63 | 11.8 | — | >3999 | Slight | — | — | — | 7.58 | — | none |
| ~2.5 | 10:45 | 15.20 | 13.1 | — | >3999 | Turbid | — | — | — | 7.44 | — | none |
| ~2.0 | 11:00 | 21.11 | 13.9 | — | >3999 | Turbid | — | — | — | 7.35 | — | none |
| | 11:15 | well went dry | | | | | | | | | | |
| | 14:15 | 11.92 | 15.2 | — | >3999 | Slight | — | — | — | 7.34 | — | None |

**SAMPLE INFORMATION:**

Sample Method: Bailer *(Peristaltic, Submersible, Dedicated or Disp. Bailer, Waterra, Dir. Instrument Reading, etc.)*
Sample Type: (Grab) Composite
Weather: Sunny
Sample Depth: 12'
Barometric Pres.:
Air Temp.(°F): 60's
Wind: Calm

Notes:

**LAB REQUESTS:**

Laboratory Name: York
Analysis/Method: 8260 VOCs; PP metals
Turn Around Time: 3+D.

**QA/QC:** Duplicate Equip. Blank Field Blank (Trip Blank)

**DT CONSULTING SERVICES, INC.**

## SITE INSPECTION REPORT

Person performing Inspection: Matt MacDonald Date: 3-16-16 Weather: Sunny, 60's

Signature: Matthew MacDonald Page: 1 of 2

| Chestlist Items: | Acceptable | Not Accpetable | Remarks/Locations |
|---|---|---|---|
| There is no evidence of erosion of cover soils/materials from Site surface. | ☑ | ☐ | |
| There is no evidence of depressions in cover materials. | ☑ | ☐ | |
| There is no evidence of significant cracks. in cover materials. | ☑ | ☐ | |
| There is no evidence of exposed or damaged demarcation barrier. | ☑ | ☐ | |
| There is no evidence of vapors or odors emanating from the Site. | ☑ | ☐ | |
| Vegetation is well established over greenspace areas. | ☑ | ☐ | |
| There is no evidence of stressed vegetation. | ☑ | ☐ | |
| There is no evidence of bare or thin vegetative cover. | ☑ | ☐ | |
| There is no evidence of overgrowth or areas that need to be mowed. | ☑ | ☐ | |
| There is no evidence of recent areas of excavation or disturbed areas. | ☑ | ☐ | |
| No vectors or vector activity (e.g. tracks, droppings, dens, etc.) were observed. | ☑ | ☐ | |
| There was no evidence of damage to the soil cover system due to the vector activity. soil cover system due to vector activity. | ☑ | ☐ | |
| There is no evidence of erosion around drainage structures. | ☑ | ☐ | |
| There is no evidence of settlement of drainage structures | ☑ | ☐ | |
| Manhole covers present and in good condition. | ☑ | ☐ | |
| There is no evidence of siltation, debris, or other restrictions in the manholes. | ☑ | ☐ | |
| There are no exposed or damaged weep hole extension along retaining wall. | ☑ | ☐ | |

**DT CONSULTING SERVICES, INC.**

## SITE INSPECTION REPORT

Person performing inspection: Matt MacDonald Date: 3-16-16 Weather: Sunny, 60's
Signature: Matthew MacDonald Page: 2 of 2

| Chestlist Items: | Acceptable | Not Accpetable | Remarks/Locations |
|---|---|---|---|
| The monitoring wells are in generally good condition. | ☑ | ☐ | |
| Well Caps are installed on the wells. | ☑ | ☐ | |
| Locks present and secured. | ☐ | ☐ | Not Applicable |
| Site accessible and passable. | ☑ | ☐ | |
| The Site continues to be utilized for commerical or restricted residential uses only. | ☑ | ☐ | |
| There is no evidence of groundwater extraction and/or use on Site. drainage structures | ☑ | ☐ | |

# Kingston CVS Site
# SSDS Inspection Worksheet

| Date: 3-16-16 | Inspector: Matthew MacDonald | | |
|---|---|---|---|
| | Yes | No | General Comments/Notes |
| Is the system running normally? | X | | |
| Is the indicator light functioning? | X | | |
| Is the electrical/ control panel secure? | X | | |
| | | | |
| Does the inlet pipe (copper) feel cool/cold to the touch? | X | | |
| Does the outlet pipe (copper) feel warm but not hot? | X | | |
| Is the stack clear and evenly discharging air? | X | | |
| Is there any water being exhausted from the stack? | | X | |
| Does the effluent air have any noticeable odor? | | X | |
| | | | |
| Does the blower feel warm but not hot? | X | | |
| Does the blower sound as if it's running smoothly? | X | | |
| | | | |

| *System Readings* | | |
|---|---|---|
| Time | Pressure (in WC) | PID (ppm) |
| 1245 | 0.33 | 0.0 |

# Appendix B:
# Engineering Control/ Institutional Control Certification Forms

Enclosure 2

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**
**Site Management Periodic Review Report Notice**
**Institutional and Engineering Controls Certification Form**

**Site Details** **Box 1**

**Site No.** **C356035**

**Site Name** **Utility Platers, Inc./Kingston Diagnostics**

Site Address: 416 Washington Avenue/167 Schwenck Drive Zip Code: 12401
City/Town: Kingston
County: Ulster
Site Acreage: 1.7

Reporting Period: April 19, 2015 to April 19, 2016

| | YES | NO |
|---|---|---|
| 1. Is the information above correct? | ☑ | ☐ |
| If NO, include handwritten above or on a separate sheet. | | |
| 2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? | ☐ | ☑ |
| 3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? | ☐ | ☑ |
| 4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? | ☐ | ☑ |
| **If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.** | | |
| 5. Is the site currently undergoing development? | ☐ | ☑ |

**Box 2**

| | YES | NO |
|---|---|---|
| 6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial | ☑ | ☐ |
| 7. Are all ICs/ECs in place and functioning as designed? | ☑ | ☐ |

**IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

**A Corrective Measures Work Plan must be submitted along with this form to address these issues.**

Signature of Owner, Remedial Party or Designated Representative Date

**Box 2A**

| | YES | NO |
|---|---|---|
| 8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid? | ☐ | ☑ |

**If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.**

| | | |
|---|---|---|
| 9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years) | ☑ | ☐ |

**If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.**

**SITE NO. C356035**

**Box 3**

**Description of Institutional Controls**

| Parcel | Owner | Institutional Control |
|---|---|---|
| **48.314-1-11.1** | Woodhaven National Management LLC | Soil Management Plan<br>Monitoring Plan<br>O&M Plan<br>IC/EC Plan<br>Landuse Restriction<br>Site Management Plan<br>Ground Water Use Restriction |

(1) The Controlled Property may be used for: "Restricted- residential use," "Commercial use" and/or "Industrial use", as described within 6 NYCRR Part 375-1.8(g)(2)(ii), (iii) and (iv).
(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);
(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP.
(4) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
(5) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;
(6) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;
(7) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP.
(8) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.
(9) Access to the site must be provided to agents, employees or other representatives of the state of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

**Box 4**

**Description of Engineering Controls**

| Parcel | Engineering Control |
|---|---|
| **48.314-1-11.1** | Cover System<br>Vapor Mitigation |

Box 5

**Periodic Review Report (PRR) Certification Statements**

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

| YES | NO |
|---|---|
| ☑ | ☐ |

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

| YES | NO |
|---|---|
| ☑ | ☐ |

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

**A Corrective Measures Work Plan must be submitted along with this form to address these issues.**

Signature of Owner, Remedial Party or Designated Representative

Date

**IC CERTIFICATIONS**
**SITE NO. C356035**

**Box 6**

**SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE**

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Russell Urban Mr. at Chazen Companies 21 Fox Street Poughkeepsie NY 12601
print name print business address

am certifying as Representative for Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

May 18 2016
Date

## IC/EC CERTIFICATIONS

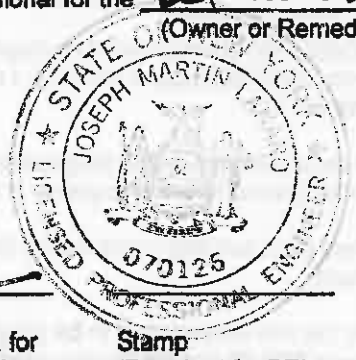
**Box 7**

**Qualified Environmental Professional Signature**

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I JOSEPH M. LANDRO, PE at THE CHAZEN COMPANIES 21 FOX STREET POUGHKEEPSIE NY 12601.
print name print business address

am certifying as a Qualified Environmental Professional for the BCP No. C356085 SITE OWNER (Owner or Remedial Party)




05.18.16

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

Date

# Appendix C:
# Laboratory Data Reports (Digital File)