



## MEMORANDUM

27 February 2014  
File No. 36492-028

TO: New York State Department of Environmental Conservation  
Keith Gronwald

FROM: Haley & Aldrich of New York  
Douglas Allen

SUBJECT: Off-Site Supplemental Remedial Investigation Data Summary  
RG&E East Station Former Manufactured Gas Plant (MGP) Site  
Rochester, New York

Rochester Gas & Electric Corporation (RG&E) retained Haley & Aldrich of New York (Haley & Aldrich) to complete an off-site Supplemental Remedial Investigation (SRI) of the former East Station Manufactured Gas Plant Site (MGP Site) located in Rochester, New York. The off-site SRI is a continuation of on-going remedial investigations (RI) of the Site with the primary focus of assessing Manufactured Gas Plant (MGP)-related impacts to the adjoining property to the north, owned by Bausch & Lomb (B&L). The off-site SRI was completed in accordance with the Off-Site Supplemental Remedial Investigation (SRI) Work Plan dated 21 June 2012 and approved by the New York State Department of Environmental Conservation (NYSDEC) in a letter dated 24 July 2012.

This memorandum serves as a Data Summary, summarizing field observations and analytical results from the SRI activities conducted from October through December 2013, as well as an evaluation to determine if the SRI objectives were met. A comprehensive summary and interpretation of the work performed and data collected will be provided in a Remedial Investigation Report (RIR) at the completion of the investigations.

### Brief Background

RI activities conducted on-Site during 2010 through 2012 identified MGP-related impacts along the northern RG&E property line necessitating the need to investigate the adjoining B&L Property. In September 2013 RG&E and B&L executed an access agreement and RG&E initiated field work in October 2013.

The B&L Property is approximately 7.8 acres and is currently vacant and free of buildings with the exception of concrete floor slabs and a few sub-slab vaults and basement areas from former manufacturing buildings that were located on the western half of the parcel. We understand from discussions with B&L that the property was used to manufacture glass and optical equipment. The buildings were razed in the 1980's and RG&E understands from B&L that demolition was limited to above-grade improvements. The majority of the B&L Property is gently graded with a raised, uneven

area of soil piles in the southeast portion of the property and a steep embankment and retaining wall (in the range of four to six feet high) in the western portion of the property along the Genesee River. The Former MGP Site and B&L Property are generally separated by a chain link fence and locking gates.

To assess MGP impacts to the off-site B&L property the following objectives were developed as described in the Off-Site SRI Work Plan:

- Delineate the nature and extent (horizontal and vertical) of MGP-related impacts from non-aqueous phase liquid (NAPL), total cyanide, metals and organic compounds to B&L Property overburden soils and groundwater;
- Delineate the nature and extent (horizontal and vertical) of MGP-related NAPL in B&L Property bedrock and MGP-related total cyanide, metals and organic compound impacts to bedrock groundwater; and,
- Update the on-site conceptual site model to include the off-site distribution (if any) of NAPL in bedrock and MGP residuals in soil and groundwater.

To fulfill the overall off-site objectives, the following media-specific objectives were developed for overburden:

- Delineate the distribution of MGP residuals in overburden soils and groundwater on the B&L Property; and,
- Determine the top of bedrock elevation beneath the B&L Property and understand the top of bedrock topography.

Likewise, the following media-specific objectives were developed for bedrock:

- Investigate the depth and off-site horizontal extent of transmissive features that were observed in bedrock corings completed at the Former MGP Site;
- Delineate the off-site horizontal and vertical extent of NAPL in bedrock; and,
- Investigate off-site bedrock groundwater quality and vertical gradients.

A summary of the off-site SRI field activities completed to date is described below.

### **Overburden Investigation**

Overburden soil borings were completed on 2 through 17 October 2013. The completed soil boring and monitoring well locations are shown on Figure 1. Field observations and monitoring well construction details are summarized on Tables I and II, respectively. Soil boring logs and monitoring well installation reports are provided in Appendix A.

Key points and observations from the soil boring program include the following:

- Fourteen primary soil boring locations (SB-12-01 through SB-12-14) and the overburden portion of bedrock coring location BR-12-03 were completed in accordance with the Off-Site SRI Work Plan. The primary soil boring depths ranged from 11 to 34 feet below ground surface;
- Contingent locations SB-12-15 and SB-12-16, and the overburden portion of contingent bedrock coring location BR-12-05, were completed to further evaluate the distribution of possible MGP residual material observed in the southeastern portion of the B&L Property;
- Supplemental location SB-12-17 was completed to the north of SB-12-09 to evaluate the horizontal extent of possible petroleum-impacted soil. Location SB-12-17A was advanced next to SB-12-17 for purposes of collecting a soil sample for laboratory analysis;
- Overburden material typically consists of varying thicknesses of fill material overlying sandy alluvial deposits. The overburden thickness ranged from 8.5 feet at SB-12-06 located to the east of the former foundation slab to 34.0 feet at SB-12-06 located in the southeastern corner of the B&L Property;
- Apparent MGP residual material including naphthalene-like odor, sheen, and/or oil-like material (OLM) blebs (discontinuous droplets of NAPL) were observed in overburden soil in the southeastern portion of the B&L property (soil boring locations SB-12-05, SB-12-06, SB-12-08, and the overburden portion of bedrock coring location BR-12-02). The apparent MGP residual material was typically observed in the overburden soils directly above weathered bedrock at these four soil boring locations, consistent with the distribution of MGP residual material observed in the northeastern corner of the MGP Site;
- Naphthalene-like odor and/or staining was noted at soil boring locations SB-12-07 and SB-12-15, to the west and northwest (respectively) of the sheen and OLM bleb area described above;
- In the central portion of the Site, petroleum-like odor and/or sheen was observed at soil boring locations SB-12-02, SB-12-03, SB-12-09, SB-12-10, SB-12-16, and the overburden portion of contingent bedrock coring location BR-12-05. The petroleum-like odor and/or sheen was typically observed at depths near the apparent water table and appeared to be unrelated to the MGP residual material described above; and,
- Petroleum-like NAPL was observed at soil boring location SB-12-17 from 8 to 12 feet below ground surface. The soil boring was terminated at 12 feet below ground surface to avoid downward mobilization of the NAPL. Sample SB-12-17A was advanced to collect an analytical soil sample from this area.

Twenty-four soil samples were collected for laboratory analysis for Target Compound List (TCL) Volatile Organic Compounds (VOCs), TCL Semi-Volatile Organic Compounds (SVOCs), Target Analyte List (TAL) metals, and cyanide. Two soil samples were collected for TCL SVOCs and hydrocarbon identification analysis (Method 310.13). Analytical results are summarized on Table III

and displayed on Figure 2. Analytical results were compared to Part 375 Restricted Commercial Soil Cleanup Objectives (SCOs).

Key points of the soil analytical results include the following:

- VOCs were detected in 18 of the 24 soil samples submitted for laboratory analysis. The concentration of VOCs did not exceed Restricted Commercial SCOs;
- SVOCs (including PAHs) were detected in 23 of the 26 soil samples submitted for laboratory analysis. The concentration of SVOCs exceeded the Restricted Commercial SCOs in four samples;
- Metals were detected in each of the 24 samples submitted for laboratory analysis. The concentration of metals exceeded the Restricted Commercial SCOs in three samples;
- Cyanide was detected in nine of the 24 soil samples submitted for laboratory analysis. The concentration of cyanide did not exceed the Restricted Commercial SCO; and,
- The hydrocarbon identification analysis completed on a sample collected from SB-12-17A, where apparent petroleum-like NAPL was noted in the field, closely resembled degraded or weathered diesel fuel. Analysis completed on a soil sample collected from BR-12-02, where apparent MGP residual material was noted in the field, indicated an unidentified mixture of hydrocarbons.

### **Bedrock Investigation**

Bedrock coring activities were completed on 10 October through 5 November 2013 and downhole geophysical logging was completed on 6 and 7 November 2013. The three completed bedrock coring locations (BR-12-01 through BR-12-03) are shown on Figure 1. Field observations made during coring and bedrock monitoring well construction details are summarized on Tables IV and V, respectively. Bedrock coring logs and monitoring well installation reports are provided in Appendix B and downhole geophysical logs are provided in Appendix C.

Key observations from the off-site bedrock coring program include the following:

- Weathered Rochester Shale or Irondequoit Limestone is present directly beneath the overburden;
- The top of bedrock surface (Figure 3) is approximately 23 feet higher in the southeastern portion of the B&L Property compared to the northern portion of the site, and approximately 10 to 17 feet higher than bedrock encountered in soil borings adjacent to the Genesee River. The top of bedrock slopes gently to the west and north in the western and northern portion of the B&L Property. An apparent bedrock low is present in the southwestern portion of the B&L property;
- Bedrock units were observed to be generally competent, slightly weathered to fresh (with the exception of highly weathered bedrock near the bedrock/overburden interface). The competent bedrock units encountered at each of the three coring locations included:

- Irondequoit Limestone;
  - Williamson Shale;
  - Lower Sodus Shale;
  - Reynales Limestone;
  - Maplewood Shale;
  - Kodak Sandstone;
  - Grimsby Sandstone; and,
  - Queenston Shale.
- Apparent MGP residuals (odors, stains, sheen, or NAPL) were observed at discrete depths at each of the three bedrock coring locations. The apparent MGP residuals appear to be limited to discrete near-horizontal joints or bedding planes as has been observed elsewhere beneath the MGP Site. A north to south bedrock cross-section is provided as Figure 4; and,
- Apparent MGP residuals were not observed (visual or olfactory) at the bottom of the Grimsby Sandstone or top portion of the Queenston Shale.

The physical bedrock features (bedding planes and joints), the distribution of apparent MGP residuals observed during coring (as observed on the core, in return drilling water), and downhole geophysical logging results were used to guide the bedrock monitoring well screen depths. Wells were installed in the following intervals:

- Four bedrock zones with apparent MGP residuals observed during drilling:
- The Irondequoit Limestone (BR-12-02I);
  - The Reynales Limestone (BR-12-01R);
  - The Maplewood Shale (BR-12-01M, -02M, and -03M); and,
  - The Grimsby Sandstone (BR-12-01G and -03G).
- Bedrock monitoring well BR-12-01Q was installed in the Queenston Shale to confirm the absence of accumulating MGP residuals.

### **Groundwater Elevation Monitoring and Sampling**

The B&L Property and MGP Site overburden and bedrock monitoring well groundwater elevations and NAPL thickness (if present) were measured on 2 December 2013 prior to groundwater sampling. Elevation and NAPL thickness monitoring results are summarized on Table VI and indicated the following:

- Overburden groundwater flows east to west beneath the B&L Property, towards the Genesee River (Figure 5). The depth to overburden groundwater measured in B&L Property monitoring wells ranged from 4.61 feet below ground surface at SW-12-04 to 16.64 feet below ground surface at SW-12-06;

- Bedrock groundwater elevations at nested locations (Figure 6) are generally equivalent, with slight upward gradients present at the DW-12-01 and DW-12-03 clusters. The groundwater elevation at shallow bedrock well DW-12-02I (installed in fractured Irondequoit Limestone below the overburden/bedrock interface) is comparable with the overburden groundwater elevation, and a downward gradient is present at the DW-12-02 cluster;
- Trace (less than measurable but detectable with the field instrument) dense non-aqueous phase liquid (DNAPL) was measured at the bottom of overburden monitoring well SW-12-06 and bedrock monitoring well SB-12-02I. Both wells are located in the southeast portion of the B&L Property; and,
- Approximately 0.1 foot of DNAPL was measured at the bottom of bedrock well DW-12-01R (Reynales Limestone).

Groundwater samples were collected from six overburden wells and seven bedrock wells on 5 through 10 December 2013. Groundwater samples were submitted for laboratory analysis for TCL VOCs, TCL SVOCs, TAL metals, and total cyanide. Note that bedrock monitoring well DW-12-01R was not sampled due to the presence of NAPL in the well. Analytical results are summarized on Table VII and displayed on Figure 7. Results are compared to NYSDEC Technical and Operations Guidance Series (TOGs) 1.1.1 Class GA Water Quality Standards.

Key points of the B&L Property overburden groundwater analytical results include the following:

- VOCs were detected in each of the six groundwater samples collected from overburden monitoring wells. The concentration of VOCs exceeded Class GA Water Quality Standards in four of the overburden groundwater samples;
- SVOCs (including PAHs) were detected in five of the six overburden groundwater samples collected. The concentration of SVOCs exceeded the Class GA Water Quality Standards in four of the overburden groundwater samples;
- Metals were detected at concentrations exceeding the Class GA Water Quality Standards in each of the six overburden groundwater samples collected; and,
- Total cyanide was detected in each of the six overburden groundwater samples. The concentration of total cyanide exceeded the Class GA Water Quality Standard in five of the overburden groundwater samples.

Key points of the B&L Property bedrock groundwater analytical results include the following:

- VOCs were detected at concentrations exceeding Class GA Water Quality Standards in groundwater collected from each of the seven bedrock wells. Note that acetone was detected above the Class GA Water Quality Standard at two locations and chloroform was detected above the Class GA Water Quality Standard at one location. Acetone and chloroform are common laboratory contaminants and are not likely related to site groundwater conditions;

- SVOCs were detected at concentrations exceeding Class GA Water Quality Standards in groundwater collected from each of the seven bedrock wells;
- Metals were detected at concentrations exceeding the Class GA Water Quality Standards in groundwater collected from each of the seven bedrock wells; and,
- Total cyanide was detected in groundwater collected from each of the seven bedrock wells. The concentration of total cyanide exceeded the Class GA Water Quality Standard in groundwater samples collected from three of the seven bedrock wells.

### **Summary of Work Performed**

Based on the field observations and analytical results of the off-site SRI, the following preliminary conceptual site model elements have been developed:

- Overburden material typically consists of fill (with portions including ash-like material, clinker-like material, glass, etc.) overlying alluvial deposits, and highly weathered bedrock;
- Overburden groundwater flows approximately east to west beneath the southern and central portions of the B&L Property;
- MGP residual material in overburden appears to be present in the southeastern portion of the B&L Property, contiguous with MGP residual material observed in the northeastern corner of the MGP Site;
- Metals in soil not typically observed in MGP residual material (barium and cadmium) were detected at one soil boring location (SB-12-12) immediately west of the former manufacturing building floor slab;
- Apparent petroleum-related impacts appear to be present in the overburden to the west and northwest of the MGP-related impacts. The apparent petroleum impacts, based on field observations, did not appear to extend into bedrock;
- Apparent MGP residual material, including sheen and OLM, were observed in bedrock beneath the B&L Property. The MGP residual material was observed in joints and bedding plane partings at stratigraphic depths consistent with the distribution observed beneath the MGP Site; and,
- Bedrock groundwater is impacted by VOCs and PAHs at concentration exceeding groundwater quality standards.

### **Assessment of Work Plan Objectives**

Based on an assessment of the Work Plan objectives relative to the outcome of the off-site SRI described in this memorandum, the MGP Site remedial investigation observations and results conducted

on the RG&E property and the adjoining Genesee River sediment, RG&E has the following recommendations for additional work on the B&L Property to fulfill the Work Plan and overall RI objectives:

- Additional borings and overburden monitoring wells in the southeastern portion of the B&L Property to better define the horizontal extent of apparent MGP residual material and petroleum in overburden soil, highly weathered bedrock and overburden groundwater; and
- Additional borings along the Genesee River to further characterize the overburden along the river, with a focus on the area adjacent to the sheen and OLM observed in sediments near the west central portion of the B&L property (as noted in the Remedial Investigation for Sediments Data Summary memorandum submitted to NYSDEC on 30 January 2014).

RG&E will prepare a separate work plan for additional off-site investigations to address these additional information needs subject to concurrence with NYSDEC. Please do not hesitate to contact Steve Mullin at RG&E (585.771.4556) with any questions or concerns relative to the completed field work.

Attachments:

|             |                                                                                                    |
|-------------|----------------------------------------------------------------------------------------------------|
| Table I:    | Off-Site Soil Boring and Overburden Monitoring Well Locations, Rationale, and Observations Summary |
| Table II:   | Off-Site Overburden Monitoring Well Construction Summary                                           |
| Table III:  | Off-Site Soil Analytical Results                                                                   |
| Table IV:   | Off-Site Bedrock Coring and Bedrock Monitoring Well Locations, Rationale, and Observations Summary |
| Table V:    | Bedrock Monitoring Well Construction Summary                                                       |
| Table VI:   | Groundwater Elevation Monitoring Results                                                           |
| Table VII:  | Off-Site Groundwater Analytical Results                                                            |
| Figure 1:   | Off-Site Overburden and Bedrock Exploration Locations                                              |
| Figure 2:   | Off-Site Soil Analytical Results                                                                   |
| Figure 3:   | Top of Bedrock Elevation Contours                                                                  |
| Figure 4:   | Bedrock Cross-Section                                                                              |
| Figure 5:   | Overburden Groundwater Elevation Contour Plan – December 2013                                      |
| Figure 6:   | Bedrock Groundwater Elevation Posting Map – December 2013                                          |
| Figure 7:   | Off-Site Groundwater Analytical Results                                                            |
| Appendix A: | Off-Site Soil Boring Logs and Overburden Well Installation Reports                                 |
| Appendix B: | Off-Site Bedrock Coring Logs and Bedrock Well Installation Reports                                 |
| Appendix C: | Downhole Geophysical Logs                                                                          |

TABLE I  
Off-Site Soil Boring and Overburden Monitoring Well Locations, Rationale, and Observations Summary  
East Station Former MGP  
Rochester, New York

| Boring ID<br>Well ID | General Off-Site Location                                                                                                    | Rationale                                                                                                                                                                                                                                                       | Actual Exploration Depth and Description (ft bgs)                                                                                                                                                                                                                          | MGP Residuals Observations                                                                                                                                                                                                                                             | Other Observations                                                                                                               | Analytical Sample<br>Depths (ft bgs)      | Well Completions<br>(Screen Interval,<br>ft bgs) |
|----------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------------|
| SB-12-01<br>SW-12-01 | South of former B&L foundation slab<br>and north of B&L/RG&E property<br>boundary                                            | Investigate off-site soil and groundwater<br>conditions relative to MGP residuals<br>adjacent to the<br>B&L and RG&E property boundary                                                                                                                          | Topsoil from ground surface to 0.5 ft bgs, fill material from 0.5 to 12.5 ft bgs, alluvial deposits from 12.5 to 18.5 ft bgs, weathered bedrock from 18.5 to 20.8 ft bgs. Refusal at 20.8 ft on probable top of bedrock.                                                   | None                                                                                                                                                                                                                                                                   | None                                                                                                                             | 17.0 - 18.5                               | Overburden<br>Monitoring Well<br>(8.5 - 18.5)    |
| SB-12-02             |                                                                                                                              |                                                                                                                                                                                                                                                                 | Concrete floor slab from ground surface to 0.2 ft bgs, fill material from 0.2 to 13.5 ft bgs, organic soil from 13.5 to 17.5 ft bgs, alluvial deposit from 17.5 to 22.0 ft bgs, weathered bedrock from 22.0 to 23.0 ft bgs. Refusal at 23.0 ft on probable top of bedrock. | None                                                                                                                                                                                                                                                                   | Slight petroleum-like odor from 8.0 to 17.0 ft bgs. Sheen observed at 12 ft bgs                                                  | 12.0 - 13.5                               | --                                               |
| SB-12-03             |                                                                                                                              |                                                                                                                                                                                                                                                                 | Concrete floor slab from ground surface to 0.2 ft bgs, fill material from 0.2 to 9.0 ft bgs, alluvial deposits from 9.0 to 14.0 ft bgs, weathered bedrock from 17.0 to 19.2 ft bgs. Refusal at 19.2 ft bgs on probable top of bedrock.                                     | None                                                                                                                                                                                                                                                                   | Moderate petroleum-like odor with solvent-like odor from 9.0 to 14.0 ft bgs. Slight petroleum-like odor from 14.0 to 17.0 ft bgs | 9.0 - 10.5                                | --                                               |
| SB-12-04<br>SW-12-04 | Southeastern portion of B&L property<br>north of B&L/RG&E property boundary,<br>and north<br>of former MGP purification area | Investigate off-site soil and groundwater<br>conditions relative<br>to MGP residuals adjacent to the B&L<br>and RG&E property boundary and<br>evaluate the northern extent<br>of MPG residuals (if present) observed<br>in the former on-site purification area | Asphalt surface and fill from ground surface to 9.0 ft bgs, Alluvial deposit from 9.0 to 11.3 ft bgs, weathered bedrock from 11.3 to 16.0 ft bgs. Refusal at 16.0 on probable top of bedrock.                                                                              | None                                                                                                                                                                                                                                                                   | Slight petroleum-like odor from 11.3 to 14.0 ft bgs                                                                              | 9.5 - 11.0<br>12.0 - 13.5                 | Overburden<br>Monitoring Well<br>(4.0 - 14.0)    |
| SB-12-05<br>SW-12-05 |                                                                                                                              |                                                                                                                                                                                                                                                                 | Fill material from ground surface to 12.1 ft bgs, possible fill material with coke breeze-like material from 12.1 to 18.0 ft bgs, weathered bedrock from 18 to 24 ft bgs. Refusal at 24.0 ft bgs on probable top of bedrock.                                               | Possible coke breeze fill with naphthalene-like odor from 12.1 to 18.0 ft bgs. Sheen and OLM bleb noted at top of bedrock at 18.0 ft bgs. Slight naphthalene-like odor from 18.0 to 21.5 ft bgs, with a seam of strong naphthalene-like odor from 21.0 to 21.1 ft bgs. | Slight petroleum-like odor from 8.0 to 12.1 ft bgs in fill material below observed water table                                   | 13.0 - 14.5<br>20.0 - 21.5                | Overburden<br>Monitoring Well<br>(12.0 - 22.0)   |
| SB-12-06<br>SW-12-06 |                                                                                                                              |                                                                                                                                                                                                                                                                 | Fill material from ground surface to 20.5 ft bgs, alluvial deposit from 20.5 to 32.0 ft bgs, weathered bedrock from 32.0 0to 34.0 ft bgs. Refusal at 34.0 ft bgs on probable top of bedrock.                                                                               | Naphthalene-like odor, staining, and sheen observed from 24.3 to 32.0 ft bgs.                                                                                                                                                                                          | Moderate petroleum-like odor from 12. 0 to 13.7 ft bgs. Slight petroleum-like odor from 13.7 to 20.5 ft bgs                      | 12.0 - 13.5<br>20.5 - 22.0<br>30.0 - 31.5 | Overburden<br>Monitoring Well<br>(22.0 - 32.0)   |
| SB-12-07             |                                                                                                                              |                                                                                                                                                                                                                                                                 | Fill material from ground surface to 12.9 ft bgs, alluvial deposit from 12.0 to 16.5 ft bgs, weathered bedrock from 16.5 to 24.5 ft bgs. Refusal at 24.5 ft bgs on probable top of bedrock.                                                                                | Naphthalene-like odor and staining observed from 12.9 to 16.5 ft bgs. Minor staining observed from 16.5 to 24.5 ft bgs.                                                                                                                                                | None                                                                                                                             | 12.9 - 14.4                               | --                                               |
| SB-12-08             |                                                                                                                              |                                                                                                                                                                                                                                                                 | Fill material from ground surface to 12.0 ft bgs, alluvial deposit from 12.0 to 24.0 ft bgs, weathered bedrock from 24.0 to 27.7 ft bgs. Refusal at 27.7 ft bgs on probable top of bedrock.                                                                                | Sheen, moderate naphthalene-like odor and staining observed from 17.0 to 24.0 ft bgs. Slight odor and staining observed from 24.0 to 27.7 ft bgs.                                                                                                                      | None                                                                                                                             | 20.0 - 21.5                               | --                                               |
| SB-12-09             | Within former B&L foundation slab or<br>access road area                                                                     | Investigate off-site soil and groundwater<br>conditions relative<br>to MGP residuals in the central portion<br>of the B&L property                                                                                                                              | Topsoil from ground surface to 1.0 ft bgs, fill material from 1.0 to 10.9 ft bgs, weathered bedrock in tip of sampler. Refusal at 11.0 ft bgs on probable top of bedrock.                                                                                                  | None                                                                                                                                                                                                                                                                   | Petroleum-like odor, sheen, and staining from 8.0 to 10.9 ft bgs                                                                 | 8.0 - 10.0                                | --                                               |
| SB-12-10<br>SW-12-10 |                                                                                                                              |                                                                                                                                                                                                                                                                 | Concrete from ground surface to 0.3 ft bgs, fill material from 0.3 to 9.5 ft bgs, weathered bedrock from 9.5 to 18.5 ft bgs. Refusal at 18.5 ft bgs on probable top of bedrock.                                                                                            | None                                                                                                                                                                                                                                                                   | Strong petroleum-like odor with staining from 6.4 to 9.5 ft bgs                                                                  | 8.0 - 9.5                                 | Overburden<br>Monitoring Well<br>(4.5 - 9.5)     |
| SB-12-11             | West of former B&L foundation slab<br>and along Genesee River bank                                                           | Investigate off-site soil conditions<br>relative to MGP residuals adjacent to<br>the Genesee River                                                                                                                                                              | Fill material from ground surface to 12.7 ft bgs, weathered bedrock from 12.7 to 22.5 ft bgs. Refusal at 22.5 ft bgs on probable top of bedrock.                                                                                                                           | None                                                                                                                                                                                                                                                                   | Black layer with slight burned odor from 10.6 to 10.7 ft bgs                                                                     | 8.0 - 10.0                                | --                                               |
| SB-12-12             |                                                                                                                              |                                                                                                                                                                                                                                                                 | Topsoil from ground surface to 0.3 ft bgs, fill material from 0.3 to 12.8 ft bgs, alluvial deposit from 12.8 to 17.4 ft bgs, weathered bedrock from 17.4 to 24.0 ft bgs. Refusal at 24.0 ft bgs on probable top of bedrock.                                                | None                                                                                                                                                                                                                                                                   | None                                                                                                                             | 7.5 - 9.0<br>17.5 - 19.0                  | --                                               |

TABLE I  
Off-Site Soil Boring and Overburden Monitoring Well Locations, Rationale, and Observations Summary  
East Station Former MGP  
Rochester, New York

| Boring ID<br>Well ID                      | General Off-Site Location                                                                                       | Rationale                                                                                                                                                                                                              | Actual Exploration Depth and Description (ft bgs)                                                                                                                                                                                                                                                  | MGP Residuals Observations                  | Other Observations                                                              | Analytical Sample<br>Depths (ft bgs) | Well Completions<br>(Screen Interval,<br>ft bgs) |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------|--------------------------------------------------|
| SB-12-13<br>SW-12-13                      | Within former B&L foundation slab or access road area                                                           | Investigate off-site soil and groundwater conditions relative to MGP residuals in the central portion of the B&L property                                                                                              | Concrete and asphalt from ground surface to 0.6 ft bgs, fill material from 0.6 to 4.3 ft bgs, alluvial deposit from 4.3 to 10.2 ft bgs, clay or highly decomposed bedrock from 10.2 to 20.3 ft bgs, weathered bedrock from 20.3 to 22.3 ft bgs. Refusal at 22.3 ft bgs on probable top of bedrock. | None                                        | Slight petroleum-like odor from 10.2 to 20.3 ft bgs                             | 12 - 14                              | Overburden Monitoring Well (5.0 - 15.0)          |
| SB-12-14                                  | West of former B&L foundation slab and along Genesee River bank                                                 | Investigate off-site soil conditions relative to MGP residuals adjacent to the Genesee River                                                                                                                           | Asphalt from ground surface to 0.1 ft bgs, fill material from 0.1 to 7.5 ft bgs (void noted from 0.9 to 1.6 ft bgs), alluvial deposit from 7.5 to 21.9 ft bgs, weathered bedrock from 21.9 to 24.3 ft bgs. Refusal at 24.3 on probable top of bedrock.                                             | None                                        | None                                                                            | 8.1 - 9.6                            | --                                               |
| SB-12-15<br>(Contingent)                  | Southeastern portion of B&L property along margin of B&L soil pile                                              | Investigate the northwestern extent of apparent MGP-related impacts observed in the southeast corner of the B&L property and northeast corner of the Former MGP Site                                                   | Soils on poly liner from ground surface to 3.2 ft bgs, fill material from 3.2 to 23.0 ft bgs, clay layer from 23.0 to 28.0 ft bgs, alluvial deposit from 28.0 to 30.7 ft bgs, weathered bedrock from 30.7 to 31.2 ft bgs. Refusal at 31.2 ft bgs on probable top of bedrock.                       | Slight acrid odor from 28.0 to 30.7 ft bgs. | None                                                                            | 16 - 18<br>28 - 30                   | --                                               |
| SB-12-16<br>(Contingent)                  | Northern and northeastern portions of B&L property, north of planned off-site soil boring locations (see above) | Contingent locations if MGP residuals are observed in soil borings SB-12-08, SB-12-09, SB-12-13, or SB-12-14. The contingent locations will be completed as needed to delineate the horizontal extent of MGP residuals | Asphalt from ground surface to 0.2 ft bgs, fill material from 0.2 to 1.8 ft bgs, alluvial deposit from 1.8 to 6.5 ft bgs, weathered bedrock from 6.5 to 8.5 ft bgs. Refusal at 8.5 ft bgs on probable top of bedrock.                                                                              | None                                        | Slight petroleum-like odor from 6.5 to 8.5 ft bgs                               | 5.5 - 7.0                            | --                                               |
| SB-12-17 &<br>SB-12-17A<br>(Supplemental) | Within former B&L access road area east of the former B&L foundation slab                                       | Investigate the northwestern extent of apparent MGP-related impacts observed in the southeast corner of the B&L property and northeast corner of the Former MGP Site                                                   | Asphalt from ground surface to 0.3 ft bgs, fill material from 0.3 to termination depth of 12.0 ft bgs. Boring terminated at 12.0 ft bgs due to encountered petroleum-like NAPL. Boring SB-12-17A advanced next to SB-12-17 to collect a soil sample for hydrocarbon analysis.                      | None                                        | Strong petroleum-like odor, staining, and NAPL observed from 8.0 to 12.0 ft bgs | 10 - 11<br>(SB-12-17A)               | --                                               |
| BR-12-03<br>(Overburden)                  | Northern corner of B&L property                                                                                 | Investigation off-site bedrock conditions along far northern property boundary, soil conditions documented prior to installing steel casing                                                                            | Fill material from ground surface to 16.5 ft bgs, alluvial deposit from 16.5 to 23.5 ft bgs, clay layer from 23.5 to 23.9 ft bgs, weathered bedrock from 23.9 to 24.2 ft bgs. Refusal at 24.2 ft bgs on probable top of bedrock.                                                                   | None                                        | None                                                                            | 21 - 23.5                            | Nested Bedrock Monitoring Wells                  |
| BR-12-05<br>(Overburden)                  | East of former B&L foundation slab in the eastern-central portion of the B&L property                           | Investigate the northern extent of apparent MGP-related impacts observed in the southeast corner of the B&L property and northeast corner of the Former MGP Site                                                       | Topsoil from ground surface to 0.5 ft bgs, fill material from 0.5 to 1.9 ft bgs, alluvial deposit from 1.9 to 11.0 ft bgs, weathered bedrock from 11.0 to 11.5 ft bgs. Refusal at 11.5 ft bgs on probable top of bedrock.                                                                          | None                                        | Slight petroleum-like odor from 11.0 to 11.5 ft bgs                             | 9.5 - 11.0                           | --                                               |

**Notes & Abbreviations:**  
--: Monitoring well not installed  
ft bgs: feet below ground surface; note that all depths are approximate  
OLM: Oil-like material  
TLM: Tar-like material  
1. "SB" indicates soil boring identification. "SW" indicates shallow (overburden) monitoring well identification.

**TABLE II**  
**Off-Site Overburden Monitoring Well Construction Summary**  
 East Station Former MGP  
 Rochester, New York

| Well ID  | General Off-Site Location                                                                                           | Ground Surface Elevation (ft AMSL) | Top of PVC Elevation <sup>See Note 1</sup> (ft AMSL) | Refusal Depth (ft AMSL) | Screen Depth (ft bgs) Top - Bottom | Screen Elevation (ft AMSL) Top - Bottom |
|----------|---------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------------------------|-------------------------|------------------------------------|-----------------------------------------|
| SW-12-01 | South of former B&L foundation slab and north of B&L/RG&E property boundary                                         | 399.6                              | 402.12                                               | 20.8                    | 8.5 - 18.5                         | 391.1 - 381.1                           |
| SW-12-04 | Southeastern portion of B&L property north of B&L/RG&E property boundary, and north of former MGP purification area | 405.7                              | 405.27                                               | 16.0                    | 4.0 - 14.0                         | 401.7 - 391.7                           |
| SW-12-05 |                                                                                                                     | 414.6                              | 416.95                                               | 24.0                    | 12.0 - 22.0                        | 402.6 - 392.6                           |
| SW-12-06 |                                                                                                                     | 421.3                              | 423.79                                               | 34.0                    | 22.0 - 32.0                        | 399.3 - 389.3                           |
| SW-12-10 | Within former B&L foundation slab or access road area                                                               | 401.4                              | 404.06                                               | 18.5                    | 4.5 - 9.5                          | 396.9 - 391.9                           |
| SW-12-13 |                                                                                                                     | 401.6                              | 404.52                                               | 22.3                    | 5.0 - 15.0                         | 396.6 - 386.6                           |

**Notes & Abbreviations**

SW: Shallow (overburden) well designation

ft AMSL: feet above mean sea level (NYS Barge Canal Datum)

ft bgs: feet below ground surface

1. Top of PVC reference elevations measured from northern side of PVC riser.

TABLE III  
Off-Site Soil Analytical Results  
East Station Former MGP  
Rochester, New York

| Location<br>Sample Date<br>Sample Type<br>Sample Depth (bgs)<br>Sample Name | NYSDEC<br>Restricted Use<br>Soil Cleanup<br>Objective for<br>Commercial | BR-12-03<br>10/14/2013<br>N<br>21 - 23.5 (ft)<br>4552-101413-1030 | BR-12-05<br>10/09/2013<br>N<br>9.5 - 11 (ft)<br>4542-100913-1500 | DW-12-02I<br>11/06/2013<br>N<br>30 - 31 (ft)<br>SB-12-02I | SB-12-01<br>10/07/2013<br>N<br>17 - 18.5 (ft)<br>4542-100713-1525 | SB-12-02<br>10/08/2013<br>N<br>12 - 13.5 (ft)<br>4542-100813-1010 | SB-12-03<br>10/08/2013<br>N<br>9 - 10.5 (ft)<br>4542-100813-1135 | SB-12-04<br>10/08/2013<br>N<br>12 - 13.5 (ft)<br>4542-100813-1335 | SB-12-04<br>10/08/2013<br>N<br>9.5 - 11 (ft)<br>4542-100813-1525 | SB-12-05<br>10/09/2013<br>N<br>13 - 14.5 (ft)<br>4542-100913-0950 | SB-12-05<br>10/09/2013<br>N<br>20 - 21.5 (ft)<br>4542-100913-1020 |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|
| <b>Inorganic Compounds (mg/kg)</b>                                          |                                                                         |                                                                   |                                                                  |                                                           |                                                                   |                                                                   |                                                                  |                                                                   |                                                                  |                                                                   |                                                                   |
| Aluminum                                                                    | -                                                                       | 8600                                                              | 5890 J                                                           | -                                                         | 5450 J                                                            | 2310 J                                                            | 6550 J                                                           | 4200 J                                                            | 7760 J                                                           | 5640 J                                                            | 3840 J                                                            |
| Antimony                                                                    | -                                                                       | < 21.5                                                            | < 19.1 J                                                         | -                                                         | < 18.6 J                                                          | < 20.9 J                                                          | < 19.1 J                                                         | < 22.4 J                                                          | < 20.1 J                                                         | < 17.3 J                                                          | < 18.8 J                                                          |
| Arsenic                                                                     | 16                                                                      | 5.1                                                               | 4.9 J                                                            | -                                                         | 15.4                                                              | 21.3 <sup>[A]</sup>                                               | 3.5                                                              | 10.9                                                              | 11.8                                                             | 6.3 J                                                             | 13.1 J                                                            |
| Barium                                                                      | 400                                                                     | 47.1                                                              | 25.5                                                             | -                                                         | 60.4                                                              | 121                                                               | 29.2                                                             | 31.9                                                              | 43                                                               | 17.3                                                              | 36.1                                                              |
| Beryllium                                                                   | 590                                                                     | 0.52                                                              | 0.32                                                             | -                                                         | 0.48                                                              | 0.14 J                                                            | 0.36                                                             | 0.44                                                              | 0.5                                                              | 0.29                                                              | 0.38                                                              |
| Cadmium                                                                     | 9.3                                                                     | 0.09 J                                                            | 0.043 J                                                          | -                                                         | 0.051 J                                                           | 0.15 J                                                            | 0.079 J                                                          | < 0.3                                                             | 0.074 J                                                          | 0.062 J                                                           | 0.049 J                                                           |
| Calcium                                                                     | -                                                                       | 30700                                                             | 1680                                                             | -                                                         | 59600                                                             | 35500                                                             | 1400                                                             | 121000                                                            | 1330                                                             | 991                                                               | 117000                                                            |
| Chromium                                                                    | -                                                                       | 10.3                                                              | 8.5                                                              | -                                                         | 8                                                                 | 4.6                                                               | 8.5                                                              | 6.3                                                               | 10.7                                                             | 7.9                                                               | 5.8                                                               |
| Cobalt                                                                      | -                                                                       | 8                                                                 | 6.3                                                              | -                                                         | 11.2                                                              | 2.1                                                               | 6.3                                                              | 7.8                                                               | 8.4                                                              | 6.4                                                               | 11.6                                                              |
| Copper                                                                      | 270                                                                     | 16.3                                                              | 10.9                                                             | -                                                         | 24                                                                | 17                                                                | 8.8                                                              | 25.1                                                              | 16.4                                                             | 10.8                                                              | 7.7                                                               |
| Cyanide                                                                     | 27                                                                      | < 1.2                                                             | 0.92 J                                                           | -                                                         | 0.67 J                                                            | < 1.3                                                             | 0.62 J                                                           | < 1.4                                                             | 1.1 J                                                            | 1.4                                                               | < 1.2                                                             |
| Iron                                                                        | -                                                                       | 14900                                                             | 13700                                                            | -                                                         | 21800                                                             | 6270                                                              | 14500                                                            | 19300                                                             | 22900                                                            | 14100                                                             | 10400                                                             |
| Lead                                                                        | 1000                                                                    | 12.8                                                              | 8.6                                                              | -                                                         | 17.3                                                              | 514                                                               | 10.3                                                             | 9                                                                 | 16.5                                                             | 8.9                                                               | 14.9                                                              |
| Magnesium                                                                   | -                                                                       | 5960                                                              | 2130                                                             | -                                                         | 15600                                                             | 3350                                                              | 1850                                                             | 34200                                                             | 2280                                                             | 2160                                                              | 14500                                                             |
| Manganese                                                                   | 10000                                                                   | 284                                                               | 125                                                              | -                                                         | 876                                                               | 353                                                               | 175                                                              | 473                                                               | 209                                                              | 160                                                               | 362                                                               |
| Mercury                                                                     | 2.8                                                                     | < 0.027                                                           | 0.012 J                                                          | -                                                         | 0.013 J                                                           | 0.46 J                                                            | 0.025 J                                                          | < 0.027 J                                                         | 0.017 J                                                          | < 0.025 J                                                         | < 0.022 J                                                         |
| Nickel                                                                      | 310                                                                     | 18.1                                                              | 16.1                                                             | -                                                         | 21.3                                                              | 5 J                                                               | 13.4                                                             | 12.3                                                              | 19.6                                                             | 14.4                                                              | 15                                                                |
| Potassium                                                                   | -                                                                       | 1620                                                              | 731                                                              | -                                                         | 1730                                                              | 348                                                               | 688                                                              | 2070                                                              | 678                                                              | 384                                                               | 1980                                                              |
| Selenium                                                                    | 1500                                                                    | < 5.7                                                             | 0.91 J                                                           | -                                                         | 0.93 J                                                            | 1.5 J                                                             | < 5.1                                                            | 0.96 J                                                            | < 5.4                                                            | < 4.6                                                             | 0.5 J                                                             |
| Silver                                                                      | 1500                                                                    | < 0.72                                                            | < 0.64                                                           | -                                                         | < 0.62                                                            | < 0.7                                                             | < 0.64                                                           | < 0.75                                                            | < 0.67                                                           | < 0.58                                                            | < 0.63                                                            |
| Sodium                                                                      | -                                                                       | 366                                                               | 88.5 J                                                           | -                                                         | 801                                                               | 1020                                                              | 130 J                                                            | 741                                                               | 344                                                              | 320                                                               | 485                                                               |
| Thallium                                                                    | -                                                                       | < 8.6                                                             | < 7.6                                                            | -                                                         | < 7.4                                                             | < 8.4                                                             | < 7.6                                                            | < 9                                                               | < 8                                                              | < 6.9                                                             | < 7.5                                                             |
| Vanadium                                                                    | -                                                                       | 13.2                                                              | 10.5                                                             | -                                                         | 12                                                                | 7.9                                                               | 11.1                                                             | 8.4                                                               | 14                                                               | 9.2                                                               | 6.9                                                               |
| Zinc                                                                        | 10000                                                                   | 46.8                                                              | 47.4                                                             | -                                                         | 41.2                                                              | 146                                                               | 39.5                                                             | 19.2                                                              | 55.1                                                             | 38.5                                                              | 126                                                               |
| <b>Semi-Volatile Organic Compounds (ug/kg)</b>                              |                                                                         |                                                                   |                                                                  |                                                           |                                                                   |                                                                   |                                                                  |                                                                   |                                                                  |                                                                   |                                                                   |
| 2,2'-oxybis(1-Chloropropane)                                                | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| 2,4,5-Trichlorophenol                                                       | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| 2,4,6-Trichlorophenol                                                       | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| 2,4-Dichlorophenol                                                          | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| 2,4-Dimethylphenol                                                          | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| 2,4-Dinitrophenol                                                           | -                                                                       | < 430                                                             | < 400                                                            | < 400                                                     | < 460                                                             | < 420                                                             | < 410                                                            | < 490                                                             | < 430                                                            | < 410                                                             | < 3800                                                            |
| 2,4-Dinitrotoluene                                                          | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| 2,6-Dinitrotoluene                                                          | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| 2-Chloronaphthalene                                                         | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| 2-Chlorophenol                                                              | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| 2-Methylnaphthalene                                                         | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | 430                                                              | < 250                                                             | 8.2 J                                                            | 14 J                                                              | 3100                                                              |
| 2-Methylphenol                                                              | 500000                                                                  | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| 2-Nitroaniline                                                              | -                                                                       | < 430                                                             | < 400                                                            | < 400                                                     | < 460                                                             | < 420                                                             | < 410                                                            | < 490                                                             | < 430                                                            | < 410                                                             | < 3800                                                            |
| 2-Nitrophenol                                                               | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| 3,3'-Dichlorobenzidine                                                      | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| 3-Nitroaniline                                                              | -                                                                       | < 430                                                             | < 400                                                            | < 400                                                     | < 460                                                             | < 420                                                             | < 410                                                            | < 490                                                             | < 430                                                            | < 410                                                             | < 3800                                                            |
| 4,6-Dinitro-2-methylphenol                                                  | -                                                                       | < 430                                                             | < 400                                                            | < 400                                                     | < 460                                                             | < 420                                                             | < 410                                                            | < 490                                                             | < 430                                                            | < 410                                                             | < 3800                                                            |
| 4-Bromophenyl phenyl ether                                                  | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| 4-Chloro-3-methylphenol                                                     | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| 4-Chloroaniline                                                             | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| 4-Chlorophenyl phenyl ether                                                 | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| 4-Methylphenol                                                              | 500000                                                                  | < 430                                                             | < 400                                                            | < 400                                                     | < 460                                                             | < 420                                                             | < 410                                                            | < 490                                                             | < 430                                                            | < 410                                                             | < 3800                                                            |
| 4-Nitroaniline                                                              | -                                                                       | < 430                                                             | < 400                                                            | < 400                                                     | < 460                                                             | < 420                                                             | < 410                                                            | < 490                                                             | < 430                                                            | < 410                                                             | < 3800                                                            |
| 4-Nitrophenol                                                               | -                                                                       | < 430                                                             | < 400                                                            | < 400                                                     | < 460                                                             | < 420                                                             | < 410                                                            | < 490                                                             | < 430                                                            | < 410                                                             | < 3800                                                            |
| Acenaphthene                                                                | 500000                                                                  | < 220                                                             | < 210                                                            | 350                                                       | 5.7 J                                                             | 660                                                               | 45 J                                                             | 140 J                                                             | 720                                                              | 280                                                               | 7700                                                              |
| Acenaphthylene                                                              | 500000                                                                  | < 220                                                             | < 210                                                            | 480                                                       | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | 32 J                                                             | < 210                                                             | 1200 J                                                            |
| Acetophenone                                                                | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| Anthracene                                                                  | 500000                                                                  | 6.5 J                                                             | < 210                                                            | 220                                                       | < 230                                                             | 53 J                                                              | < 210                                                            | 14 J                                                              | 33 J                                                             | 210                                                               | 4500                                                              |
| Atrazine                                                                    | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| Benzaldehyde                                                                | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| Benzo(a)anthracene                                                          | 5600                                                                    | < 220                                                             | < 210                                                            | 1800                                                      | < 230                                                             | 420                                                               | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | 4500                                                              |

TABLE III  
Off-Site Soil Analytical Results  
East Station Former MGP  
Rochester, New York

| Location<br>Sample Date<br>Sample Type<br>Sample Depth (bgs)<br>Sample Name | NYSDEC<br>Restricted Use<br>Soil Cleanup<br>Objective for<br>Commercial | BR-12-03<br>10/14/2013<br>N<br>21 - 23.5 (ft)<br>4552-101413-1030 | BR-12-05<br>10/09/2013<br>N<br>9.5 - 11 (ft)<br>4542-100913-1500 | DW-12-02I<br>11/06/2013<br>N<br>30 - 31 (ft)<br>SB-12-02I | SB-12-01<br>10/07/2013<br>N<br>17 - 18.5 (ft)<br>4542-100713-1525 | SB-12-02<br>10/08/2013<br>N<br>12 - 13.5 (ft)<br>4542-100813-1010 | SB-12-03<br>10/08/2013<br>N<br>9 - 10.5 (ft)<br>4542-100813-1135 | SB-12-04<br>10/08/2013<br>N<br>12 - 13.5 (ft)<br>4542-100813-1335 | SB-12-04<br>10/08/2013<br>N<br>9.5 - 11 (ft)<br>4542-100813-1525 | SB-12-05<br>10/09/2013<br>N<br>13 - 14.5 (ft)<br>4542-100913-0950 | SB-12-05<br>10/09/2013<br>N<br>20 - 21.5 (ft)<br>4542-100913-1020 |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|
| Benzo(a)pyrene                                                              | 1000                                                                    | < 220 J                                                           | < 210                                                            | 1400 <sup>[A]</sup>                                       | 11 J                                                              | 300                                                               | 15 J                                                             | < 250                                                             | 50 J                                                             | 6.1 J                                                             | 3900 <sup>[A]</sup>                                               |
| Benzo(b)fluoranthene                                                        | 5600                                                                    | < 220 J                                                           | 8.9 J                                                            | 1400                                                      | 15 J                                                              | 420                                                               | 20 J                                                             | 18 J                                                              | 63 J                                                             | < 210                                                             | 2900                                                              |
| Benzo(g,h,i)perylene                                                        | 500000                                                                  | < 220 J                                                           | < 210 J                                                          | 250                                                       | < 230 J                                                           | 150 J                                                             | < 210 J                                                          | < 250 J                                                           | 43 J                                                             | 8 J                                                               | 2100                                                              |
| Benzo(k)fluoranthene                                                        | 56000                                                                   | < 220 J                                                           | 11 J                                                             | 390                                                       | 17 J                                                              | 170 J                                                             | 21 J                                                             | 21 J                                                              | 38 J                                                             | 8.6 J                                                             | 980 J                                                             |
| Biphenyl                                                                    | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | 24 J                                                             | 13 J                                                              | 1000 J                                                            |
| bis(2-Chloroethoxy)methane                                                  | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| bis(2-Chloroethyl)ether                                                     | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| bis(2-Ethylhexyl)phthalate                                                  | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| Butyl benzylphthalate                                                       | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| Caprolactam                                                                 | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| Carbazole                                                                   | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | 22 J                                                              | < 2000                                                            |
| Chrysene                                                                    | 56000                                                                   | < 220                                                             | 5.4 J                                                            | 1700                                                      | 13 J                                                              | 390                                                               | 14 J                                                             | < 250                                                             | 33 J                                                             | < 210                                                             | 3800                                                              |
| Dibenz(a,h)anthracene                                                       | 560                                                                     | < 220 J                                                           | < 210                                                            | < 210                                                     | < 230                                                             | 35 J                                                              | < 210                                                            | < 250                                                             | 13 J                                                             | < 210                                                             | 400 J                                                             |
| Dibenzofuran                                                                | 350000                                                                  | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | 11 J                                                             | < 250                                                             | < 220                                                            | 23 J                                                              | < 2000                                                            |
| Diethyl phthalate                                                           | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| Dimethyl phthalate                                                          | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| Di-n-butylphthalate                                                         | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| Di-n-octyl phthalate                                                        | -                                                                       | < 220 J                                                           | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| Fluoranthene                                                                | 500000                                                                  | 25 J                                                              | < 210                                                            | 4500                                                      | < 230                                                             | 1600                                                              | < 210                                                            | < 250                                                             | 19 J                                                             | 67 J                                                              | 7900                                                              |
| Fluorene                                                                    | 500000                                                                  | < 220                                                             | < 210                                                            | 660                                                       | < 230                                                             | < 220                                                             | 17 J                                                             | 55 J                                                              | 120 J                                                            | 210                                                               | 2500                                                              |
| Hexachlorobenzene                                                           | 6000                                                                    | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| Hexachlorobutadiene                                                         | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| Hexachlorocyclopentadiene                                                   | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| Hexachloroethane                                                            | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| Indeno(1,2,3-cd)pyrene                                                      | 5600                                                                    | < 220 J                                                           | 6 J                                                              | 200 J                                                     | < 230                                                             | 130 J                                                             | < 210                                                            | < 250                                                             | 36 J                                                             | 9.1 J                                                             | 1300 J                                                            |
| Isophorone                                                                  | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| Naphthalene                                                                 | 500000                                                                  | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | 41 J                                                             | < 250                                                             | 40 J                                                             | 180 J                                                             | 2400                                                              |
| Nitrobenzene                                                                | 69000                                                                   | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| N-Nitrosodi-n-propylamine                                                   | -                                                                       | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| N-Nitrosodiphenylamine                                                      | -                                                                       | < 220                                                             | < 210                                                            | 330                                                       | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| Pentachlorophenol                                                           | 6700                                                                    | < 430                                                             | < 400                                                            | < 400                                                     | < 460                                                             | < 420                                                             | < 410                                                            | < 490                                                             | < 430                                                            | < 410                                                             | < 3800                                                            |
| Phenanthrene                                                                | 500000                                                                  | 17 J                                                              | < 210                                                            | 81 J                                                      | < 230                                                             | 110 J                                                             | 14 J                                                             | 64 J                                                              | 26 J                                                             | 930                                                               | 15000                                                             |
| Phenol                                                                      | 500000                                                                  | < 220                                                             | < 210                                                            | < 210                                                     | < 230                                                             | < 220                                                             | < 210                                                            | < 250                                                             | < 220                                                            | < 210                                                             | < 2000                                                            |
| Pyrene                                                                      | 500000                                                                  | < 220                                                             | < 210                                                            | 5700                                                      | < 230                                                             | 1100                                                              | < 210                                                            | 8.6 J                                                             | 18 J                                                             | 46 J                                                              | 14000                                                             |
| Total Petroleum Hydrocarbons (mg/kg)                                        |                                                                         |                                                                   |                                                                  |                                                           |                                                                   |                                                                   |                                                                  |                                                                   |                                                                  |                                                                   |                                                                   |
| Gasoline                                                                    | -                                                                       | -                                                                 | -                                                                | < 8.1                                                     | -                                                                 | -                                                                 | -                                                                | -                                                                 | -                                                                | -                                                                 | -                                                                 |
| Kerosene                                                                    | -                                                                       | -                                                                 | -                                                                | < 20                                                      | -                                                                 | -                                                                 | -                                                                | -                                                                 | -                                                                | -                                                                 | -                                                                 |
| Motor Oil                                                                   | -                                                                       | -                                                                 | -                                                                | < 40                                                      | -                                                                 | -                                                                 | -                                                                | -                                                                 | -                                                                | -                                                                 | -                                                                 |
| PHC as #2 Fuel Oils C10-C23 #2 Diesel, #2 Fuel Oil                          | -                                                                       | -                                                                 | -                                                                | < 20                                                      | -                                                                 | -                                                                 | -                                                                | -                                                                 | -                                                                | -                                                                 | -                                                                 |
| Total Petroleum Hydrocarbons (C10-C28) DRO                                  | -                                                                       | -                                                                 | -                                                                | 75                                                        | -                                                                 | -                                                                 | -                                                                | -                                                                 | -                                                                | -                                                                 | -                                                                 |
| Total Petroleum Hydrocarbons (C12-C24) Fuel Oil #4                          | -                                                                       | -                                                                 | -                                                                | < 20                                                      | -                                                                 | -                                                                 | -                                                                | -                                                                 | -                                                                | -                                                                 | -                                                                 |
| Total Petroleum Hydrocarbons - Fuel Oil #6                                  | -                                                                       | -                                                                 | -                                                                | < 20                                                      | -                                                                 | -                                                                 | -                                                                | -                                                                 | -                                                                | -                                                                 | -                                                                 |
| Unknown Petroleum Hydrocarbon (Diesel Range)                                | -                                                                       | -                                                                 | -                                                                | 75                                                        | -                                                                 | -                                                                 | -                                                                | -                                                                 | -                                                                | -                                                                 | -                                                                 |
| Volatile Organic Compounds (ug/kg)                                          |                                                                         |                                                                   |                                                                  |                                                           |                                                                   |                                                                   |                                                                  |                                                                   |                                                                  |                                                                   |                                                                   |
| 1,1,1-Trichloroethane                                                       | 500000                                                                  | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| 1,1,2,2-Tetrachloroethane                                                   | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| 1,1,2-Trichloroethane                                                       | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| 1,1-Dichloroethane                                                          | 240000                                                                  | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| 1,1-Dichloroethene                                                          | 500000                                                                  | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| 1,2,4-Trichlorobenzene                                                      | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| 1,2-Dibromo-3-chloropropane (DBCP)                                          | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| 1,2-Dibromoethane (Ethylene Dibromide)                                      | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| 1,2-Dichlorobenzene                                                         | 500000                                                                  | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| 1,2-Dichloroethane                                                          | 30000                                                                   | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| 1,2-Dichloroethene (total)                                                  | -                                                                       | 5.4 J                                                             | < 12 J                                                           | -                                                         | < 14 J                                                            | < 250 J                                                           | < 12 J                                                           | < 15 J                                                            | < 13 J                                                           | < 110 J                                                           | < 110 J                                                           |
| 1,2-Dichloropropane                                                         | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |

TABLE III  
Off-Site Soil Analytical Results  
East Station Former MGP  
Rochester, New York

| Location<br>Sample Date<br>Sample Type<br>Sample Depth (bgs)<br>Sample Name | NYSDEC<br>Restricted Use<br>Soil Cleanup<br>Objective for<br>Commercial | BR-12-03<br>10/14/2013<br>N<br>21 - 23.5 (ft)<br>4552-101413-1030 | BR-12-05<br>10/09/2013<br>N<br>9.5 - 11 (ft)<br>4542-100913-1500 | DW-12-02I<br>11/06/2013<br>N<br>30 - 31 (ft)<br>SB-12-02I | SB-12-01<br>10/07/2013<br>N<br>17 - 18.5 (ft)<br>4542-100713-1525 | SB-12-02<br>10/08/2013<br>N<br>12 - 13.5 (ft)<br>4542-100813-1010 | SB-12-03<br>10/08/2013<br>N<br>9 - 10.5 (ft)<br>4542-100813-1135 | SB-12-04<br>10/08/2013<br>N<br>12 - 13.5 (ft)<br>4542-100813-1335 | SB-12-04<br>10/08/2013<br>N<br>9.5 - 11 (ft)<br>4542-100813-1525 | SB-12-05<br>10/09/2013<br>N<br>13 - 14.5 (ft)<br>4542-100913-0950 | SB-12-05<br>10/09/2013<br>N<br>20 - 21.5 (ft)<br>4542-100913-1020 |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|
| 1,3-Dichlorobenzene                                                         | 280000                                                                  | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| 1,4-Dichlorobenzene                                                         | 130000                                                                  | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| 2-Butanone (Methyl Ethyl Ketone)                                            | 500000                                                                  | < 33 J                                                            | < 30 J                                                           | -                                                         | < 35 J                                                            | < 630 J                                                           | < 31 J                                                           | < 37 J                                                            | < 33 J                                                           | < 270 J                                                           | < 280 J                                                           |
| 2-Hexanone                                                                  | -                                                                       | < 33 J                                                            | < 30 J                                                           | -                                                         | < 35 J                                                            | < 630 J                                                           | < 31 J                                                           | < 37 J                                                            | < 33 J                                                           | < 270 J                                                           | < 280 J                                                           |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)                               | -                                                                       | < 33 J                                                            | < 30 J                                                           | -                                                         | < 35 J                                                            | < 630 J                                                           | < 31 J                                                           | < 37 J                                                            | < 33 J                                                           | < 270 J                                                           | < 280 J                                                           |
| Acetone                                                                     | 500000                                                                  | < 33 J                                                            | < 30 J                                                           | -                                                         | < 35 J                                                            | < 630 J                                                           | 72 J                                                             | 28 J                                                              | 34 J                                                             | < 270 J                                                           | < 280 J                                                           |
| Benzene                                                                     | 44000                                                                   | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | 6.3 J                                                             | 11 J                                                             | 44 J                                                              | < 56 J                                                            |
| Bromodichloromethane                                                        | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| Bromoform                                                                   | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| Bromomethane (Methyl Bromide)                                               | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| Carbon disulfide                                                            | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| Carbon tetrachloride                                                        | 22000                                                                   | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| Chlorobenzene                                                               | 500000                                                                  | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| Chloroethane                                                                | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| Chloroform (Trichloromethane)                                               | 350000                                                                  | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| Chloromethane (Methyl Chloride)                                             | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| cis-1,2-Dichloroethene                                                      | 500000                                                                  | 5.4 J                                                             | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| cis-1,3-Dichloropropene                                                     | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| Cyclohexane                                                                 | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| Dibromochloromethane                                                        | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| Dichlorodifluoromethane (CFC-12)                                            | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| Ethylbenzene                                                                | 390000                                                                  | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | 140 J                                                             | 560 J                                                             |
| Isopropylbenzene                                                            | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | 4.4 J                                                            | < 7.4 J                                                           | 2.7 J                                                            | 17 J                                                              | 93 J                                                              |
| Methyl acetate                                                              | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| Methyl cyclohexane                                                          | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | 780 J                                                             |
| Methyl Tert Butyl Ether                                                     | 500000                                                                  | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| Methylene chloride                                                          | 500000                                                                  | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | 87 J                                                              | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| Styrene                                                                     | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| Tetrachloroethene                                                           | 150000                                                                  | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| Toluene                                                                     | 500000                                                                  | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| trans-1,2-Dichloroethene                                                    | 500000                                                                  | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| trans-1,3-Dichloropropene                                                   | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| Trichloroethene                                                             | 200000                                                                  | < 6.6 J                                                           | 7.7 J                                                            | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| Trichlorofluoromethane (CFC-11)                                             | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| Trifluorotrichloroethane (Freon 113)                                        | -                                                                       | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| Vinyl chloride                                                              | 13000                                                                   | < 6.6 J                                                           | < 6.1 J                                                          | -                                                         | < 6.9 J                                                           | < 130 J                                                           | < 6.1 J                                                          | < 7.4 J                                                           | < 6.6 J                                                          | < 54 J                                                            | < 56 J                                                            |
| Xylene (total)                                                              | 500000                                                                  | < 13 J                                                            | < 12 J                                                           | -                                                         | < 14 J                                                            | < 250 J                                                           | < 12 J                                                           | < 15 J                                                            | < 13 J                                                           | 12 J                                                              | 590 J                                                             |

- Notes:
- Results were compared to the following criteria:  
    **[A]:** Indicates result is greater than the Restricted Use Soil Cleanup  
        Objective for Commercial (NYSDEC, Table 375-6.8(b), December 2006)
  - <: Result is less than indicated reporting limit.  
    J: Estimated result
  - Results in **bold** exceed applicable criteria.
  - Sample type codes: N - Normal

TABLE III  
Off-Site Soil Analytical Results  
East Station Former MGP  
Rochester, New York

| Location<br>Sample Date<br>Sample Type<br>Sample Depth (bgs)<br>Sample Name | NYSDEC<br>Restricted Use<br>Soil Cleanup<br>Objective for<br>Commercial | SB-12-06<br>10/07/2013<br>N<br>12 - 13.5 (ft)<br>4542-100713-1140 | SB-12-06<br>10/07/2013<br>N<br>20.5 - 22 (ft)<br>4542-100713-1145 | SB-12-06<br>10/07/2013<br>N<br>30 - 31.5 (ft)<br>4542-100713-1150 | SB-12-07<br>10/04/2013<br>N<br>12.9 - 14.4 (ft)<br>4542-100413-1425 | SB-12-08<br>10/04/2013<br>N<br>20 - 21.5 (ft)<br>4542-100413-1300 | SB-12-09<br>10/03/2013<br>N<br>8 - 10 (ft)<br>4542-100313-1455 | SB-12-10<br>10/04/2013<br>N<br>8 - 9.5 (ft)<br>4542-100413-0920 | SB-12-11<br>10/03/2013<br>N<br>8 - 10 (ft)<br>4542-100313-1345 | SB-12-12<br>10/02/2013<br>N<br>17.5 - 19 (ft)<br>4542-100213-1430 | SB-12-12<br>10/02/2013<br>N<br>7.5 - 9 (ft)<br>4542-100213-1500 |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------|
| <b>Inorganic Compounds (mg/kg)</b>                                          |                                                                         |                                                                   |                                                                   |                                                                   |                                                                     |                                                                   |                                                                |                                                                 |                                                                |                                                                   |                                                                 |
| Aluminum                                                                    | -                                                                       | 3990 J                                                            | 4400 J                                                            | 4900 J                                                            | 7850 J                                                              | 5700 J                                                            | 7110 J                                                         | 10500 J                                                         | 3450 J                                                         | 4700 J                                                            | 4020 J                                                          |
| Antimony                                                                    | -                                                                       | < 18.5 J                                                          | < 16.8 J                                                          | < 17 J                                                            | < 19.9 J                                                            | < 20.9 J                                                          | < 19.1 J                                                       | < 19.6 J                                                        | < 16.8 J                                                       | < 20.1 J                                                          | 175 J                                                           |
| Arsenic                                                                     | 16                                                                      | 5.5                                                               | 3.1                                                               | 7.5                                                               | 11.8                                                                | 6.8                                                               | 3.4                                                            | 16.7 <sup>[A]</sup>                                             | 1.7 J                                                          | 9.2                                                               | 103 <sup>[A]</sup>                                              |
| Barium                                                                      | 400                                                                     | 41.5                                                              | 15                                                                | 20.7                                                              | 56.8                                                                | 34.4                                                              | 58.4                                                           | 73.6                                                            | 29.9                                                           | 47.6                                                              | 8330 <sup>[A]</sup>                                             |
| Beryllium                                                                   | 590                                                                     | 0.33                                                              | 0.28                                                              | 0.33                                                              | 0.47                                                                | 0.33                                                              | 0.38                                                           | 1                                                               | 0.22                                                           | 0.39                                                              | 0.24                                                            |
| Cadmium                                                                     | 9.3                                                                     | 0.11 J                                                            | 0.08 J                                                            | 0.062 J                                                           | 0.13 J                                                              | 0.13 J                                                            | 0.11 J                                                         | 0.95                                                            | 0.061 J                                                        | 0.088 J                                                           | 38.3 <sup>[A]</sup>                                             |
| Calcium                                                                     | -                                                                       | 59200                                                             | 1490                                                              | 23900                                                             | 1360 J                                                              | 2010 J                                                            | 2300 J                                                         | 2860 J                                                          | 31100 J                                                        | 118000 J                                                          | 11200 J                                                         |
| Chromium                                                                    | -                                                                       | 5.7                                                               | 6.2                                                               | 6.9                                                               | 8.2                                                                 | 8.1                                                               | 9.1                                                            | 10.8                                                            | 5.6                                                            | 6.9                                                               | 8.8                                                             |
| Cobalt                                                                      | -                                                                       | 3.8                                                               | 5.9                                                               | 6.4                                                               | 5.4                                                                 | 7.9                                                               | 6.7                                                            | 18.5                                                            | 3.2                                                            | 8.5                                                               | 1.8                                                             |
| Copper                                                                      | 270                                                                     | 29.8                                                              | 12                                                                | 13.6                                                              | 5.7                                                                 | 10.9                                                              | 10.2                                                           | 68.6                                                            | 7.3 J                                                          | 40 J                                                              | 33.1 J                                                          |
| Cyanide                                                                     | 27                                                                      | 2.1                                                               | < 1.2                                                             | < 1.2                                                             | < 1.2                                                               | < 1.2                                                             | < 1.2                                                          | < 1.3                                                           | 8.1                                                            | < 1.2                                                             | < 1.1                                                           |
| Iron                                                                        | -                                                                       | 11300                                                             | 12700                                                             | 13600                                                             | 13700 J                                                             | 16000 J                                                           | 14400 J                                                        | 25400 J                                                         | 7180 J                                                         | 15000 J                                                           | 5100 J                                                          |
| Lead                                                                        | 1000                                                                    | 108                                                               | 10.6                                                              | 12.5                                                              | 8.5 J                                                               | 7.9 J                                                             | 13.1 J                                                         | 32.5 J                                                          | 3.7 J                                                          | 21.8 J                                                            | 7460 J <sup>[A]</sup>                                           |
| Magnesium                                                                   | -                                                                       | 23200                                                             | 1890                                                              | 13600                                                             | 1680                                                                | 3390                                                              | 2410                                                           | 2090                                                            | 8010                                                           | 18600                                                             | 2140                                                            |
| Manganese                                                                   | 10000                                                                   | 313                                                               | 177                                                               | 275                                                               | 153 J                                                               | 177 J                                                             | 122 J                                                          | 257 J                                                           | 204 J                                                          | 630 J                                                             | 127 J                                                           |
| Mercury                                                                     | 2.8                                                                     | 0.12 J                                                            | < 0.025 J                                                         | 0.013 J                                                           | 0.025 J                                                             | < 0.028                                                           | 0.013 J                                                        | 0.039                                                           | 0.074                                                          | < 0.03                                                            | 0.11                                                            |
| Nickel                                                                      | 310                                                                     | 11.7                                                              | 14.1                                                              | 16.8                                                              | 9.5                                                                 | 20.2                                                              | 14.8                                                           | 26.4                                                            | 6.6                                                            | 15.6                                                              | 19.9                                                            |
| Potassium                                                                   | -                                                                       | 1360                                                              | 659                                                               | 1160                                                              | 688 J                                                               | 897 J                                                             | 941 J                                                          | 1010 J                                                          | 775 J                                                          | 2160 J                                                            | 839 J                                                           |
| Selenium                                                                    | 1500                                                                    | 0.9 J                                                             | < 4.5                                                             | < 4.5                                                             | < 5.3 J                                                             | < 5.6 J                                                           | < 5.1 J                                                        | < 5.2 J                                                         | < 4.5 J                                                        | 0.72 J                                                            | 1.1 J                                                           |
| Silver                                                                      | 1500                                                                    | < 0.62                                                            | < 0.56                                                            | < 0.57                                                            | < 0.66                                                              | < 0.7                                                             | < 0.64                                                         | < 0.65                                                          | < 0.56                                                         | < 0.67                                                            | 1                                                               |
| Sodium                                                                      | -                                                                       | 176                                                               | 158                                                               | 306                                                               | 467                                                                 | 540                                                               | 248                                                            | 52.6 J                                                          | 89 J                                                           | 313                                                               | 201                                                             |
| Thallium                                                                    | -                                                                       | < 7.4                                                             | < 6.7                                                             | < 6.8                                                             | < 8                                                                 | < 8.3                                                             | < 7.6                                                          | < 7.8                                                           | < 6.7                                                          | < 8                                                               | < 7.2                                                           |
| Vanadium                                                                    | -                                                                       | 8.8                                                               | 9.2                                                               | 9.7                                                               | 11.4                                                                | 10.4                                                              | 11.1                                                           | 13.4                                                            | 8.3                                                            | 9.4                                                               | 7.5                                                             |
| Zinc                                                                        | 10000                                                                   | 39                                                                | 41.1                                                              | 57.4                                                              | 36.8                                                                | 76.3                                                              | 41.4                                                           | 191                                                             | 15.2                                                           | 38                                                                | 1410                                                            |
| <b>Semi-Volatile Organic Compounds (ug/kg)</b>                              |                                                                         |                                                                   |                                                                   |                                                                   |                                                                     |                                                                   |                                                                |                                                                 |                                                                |                                                                   |                                                                 |
| 2,2'-oxybis(1-Chloropropane)                                                | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| 2,4,5-Trichlorophenol                                                       | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| 2,4,6-Trichlorophenol                                                       | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| 2,4-Dichlorophenol                                                          | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| 2,4-Dimethylphenol                                                          | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| 2,4-Dinitrophenol                                                           | -                                                                       | < 2000 J                                                          | < 410                                                             | < 420                                                             | < 400                                                               | < 4100                                                            | < 420                                                          | < 2100                                                          | < 360                                                          | < 440                                                             | < 350                                                           |
| 2,4-Dinitrotoluene                                                          | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| 2,6-Dinitrotoluene                                                          | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| 2-Chloronaphthalene                                                         | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| 2-Chlorophenol                                                              | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| 2-Methylnaphthalene                                                         | -                                                                       | 140 J                                                             | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | 42 J                                                            |
| 2-Methylphenol                                                              | 500000                                                                  | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| 2-Nitroaniline                                                              | -                                                                       | < 2000 J                                                          | < 410                                                             | < 420                                                             | < 400                                                               | < 4100                                                            | < 420                                                          | < 2100                                                          | < 360                                                          | < 440                                                             | < 350                                                           |
| 2-Nitrophenol                                                               | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| 3,3'-Dichlorobenzidine                                                      | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| 3-Nitroaniline                                                              | -                                                                       | < 2000 J                                                          | < 410                                                             | < 420                                                             | < 400                                                               | < 4100                                                            | < 420                                                          | < 2100                                                          | < 360                                                          | < 440                                                             | < 350                                                           |
| 4,6-Dinitro-2-methylphenol                                                  | -                                                                       | < 2000 J                                                          | < 410                                                             | < 420                                                             | < 400                                                               | < 4100                                                            | < 420                                                          | < 2100                                                          | < 360                                                          | < 440                                                             | < 350                                                           |
| 4-Bromophenyl phenyl ether                                                  | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| 4-Chloro-3-methylphenol                                                     | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| 4-Chloroaniline                                                             | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| 4-Chlorophenyl phenyl ether                                                 | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| 4-Methylphenol                                                              | 500000                                                                  | < 2000 J                                                          | < 410                                                             | < 420                                                             | < 400                                                               | < 4100                                                            | < 420                                                          | < 2100                                                          | < 360                                                          | < 440                                                             | < 350                                                           |
| 4-Nitroaniline                                                              | -                                                                       | < 2000 J                                                          | < 410                                                             | < 420                                                             | < 400                                                               | < 4100                                                            | < 420                                                          | < 2100                                                          | < 360                                                          | < 440                                                             | < 350                                                           |
| 4-Nitrophenol                                                               | -                                                                       | < 2000 J                                                          | < 410                                                             | < 420                                                             | < 400 J                                                             | < 4100 J                                                          | < 420 J                                                        | < 2100 J                                                        | < 360 J                                                        | < 440 J                                                           | < 350 J                                                         |
| Acenaphthene                                                                | 500000                                                                  | 240 J                                                             | < 210                                                             | 160 J                                                             | 160 J                                                               | 2400                                                              | 260                                                            | < 1100                                                          | < 190                                                          | < 230                                                             | 20 J                                                            |
| Acenaphthylene                                                              | 500000                                                                  | 420 J                                                             | < 210                                                             | 170 J                                                             | < 210                                                               | 2000 J                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | 61 J                                                            |
| Acetophenone                                                                | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| Anthracene                                                                  | 500000                                                                  | 850 J                                                             | 43 J                                                              | 130 J                                                             | 38 J                                                                | 1400 J                                                            | 61 J                                                           | < 1100                                                          | < 190                                                          | < 230                                                             | 120 J                                                           |
| Atrazine                                                                    | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| Benzaldehyde                                                                | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| Benzo(a)anthracene                                                          | 5600                                                                    | 5300 J                                                            | < 210                                                             | 570                                                               | < 210                                                               | 5100                                                              | < 210                                                          | 150 J                                                           | < 190                                                          | 37 J                                                              | 550                                                             |

TABLE III  
Off-Site Soil Analytical Results  
East Station Former MGP  
Rochester, New York

| Location<br>Sample Date<br>Sample Type<br>Sample Depth (bgs)<br>Sample Name | NYSDEC<br>Restricted Use<br>Soil Cleanup<br>Objective for<br>Commercial | SB-12-06<br>10/07/2013<br>N<br>12 - 13.5 (ft)<br>4542-100713-1140 | SB-12-06<br>10/07/2013<br>N<br>20.5 - 22 (ft)<br>4542-100713-1145 | SB-12-06<br>10/07/2013<br>N<br>30 - 31.5 (ft)<br>4542-100713-1150 | SB-12-07<br>10/04/2013<br>N<br>12.9 - 14.4 (ft)<br>4542-100413-1425 | SB-12-08<br>10/04/2013<br>N<br>20 - 21.5 (ft)<br>4542-100413-1300 | SB-12-09<br>10/03/2013<br>N<br>8 - 10 (ft)<br>4542-100313-1455 | SB-12-10<br>10/04/2013<br>N<br>8 - 9.5 (ft)<br>4542-100413-0920 | SB-12-11<br>10/03/2013<br>N<br>8 - 10 (ft)<br>4542-100313-1345 | SB-12-12<br>10/02/2013<br>N<br>17.5 - 19 (ft)<br>4542-100213-1430 | SB-12-12<br>10/02/2013<br>N<br>7.5 - 9 (ft)<br>4542-100213-1500 |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------|
| Benzo(a)pyrene                                                              | 1000                                                                    | 5800 J <sup>[A]</sup>                                             | 9.2 J                                                             | 340                                                               | 17 J                                                                | 4700 <sup>[A]</sup>                                               | 18 J                                                           | 130 J                                                           | < 190                                                          | 28 J                                                              | 520                                                             |
| Benzo(b)fluoranthene                                                        | 5600                                                                    | 7500 J <sup>[A]</sup>                                             | 14 J                                                              | 260                                                               | 19 J                                                                | 2800                                                              | 26 J                                                           | 150 J                                                           | < 190                                                          | 38 J                                                              | 700                                                             |
| Benzo(g,h,i)perylene                                                        | 500000                                                                  | 5000 J                                                            | < 210 J                                                           | 110 J                                                             | < 210                                                               | 3000                                                              | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | 350                                                             |
| Benzo(k)fluoranthene                                                        | 56000                                                                   | 2600 J                                                            | 11 J                                                              | 160 J                                                             | 19 J                                                                | 1700 J                                                            | 20 J                                                           | 85 J                                                            | < 190                                                          | < 230                                                             | 310                                                             |
| Biphenyl                                                                    | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | 26 J                                                           | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| bis(2-Chloroethoxy)methane                                                  | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| bis(2-Chloroethyl)ether                                                     | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| bis(2-Ethylhexyl)phthalate                                                  | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| Butyl benzylphthalate                                                       | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| Caprolactam                                                                 | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| Carbazole                                                                   | -                                                                       | 240 J                                                             | < 210                                                             | < 220                                                             | 34 J                                                                | < 2100                                                            | 17 J                                                           | < 1100                                                          | < 190                                                          | < 230                                                             | 38 J                                                            |
| Chrysene                                                                    | 56000                                                                   | 5300 J                                                            | 11 J                                                              | 550                                                               | < 210                                                               | 4400                                                              | < 210                                                          | 180 J                                                           | < 190                                                          | < 230                                                             | 640                                                             |
| Dibenz(a,h)anthracene                                                       | 560                                                                     | 1100 J <sup>[A]</sup>                                             | < 210                                                             | < 220                                                             | < 210                                                               | 780 J <sup>[A]</sup>                                              | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | 100 J                                                           |
| Dibenzofuran                                                                | 350000                                                                  | 170 J                                                             | < 210                                                             | < 220                                                             | 23 J                                                                | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | 34 J                                                            |
| Diethyl phthalate                                                           | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| Dimethyl phthalate                                                          | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| Di-n-butylphthalate                                                         | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| Di-n-octyl phthalate                                                        | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| Fluoranthene                                                                | 500000                                                                  | 6800 J                                                            | 20 J                                                              | 2700                                                              | < 210                                                               | 11000                                                             | 130 J                                                          | 300 J                                                           | < 190                                                          | 40 J                                                              | 970                                                             |
| Fluorene                                                                    | 500000                                                                  | 280 J                                                             | < 210                                                             | 380                                                               | 220                                                                 | 6100                                                              | 83 J                                                           | < 1100                                                          | < 190                                                          | < 230                                                             | 40 J                                                            |
| Hexachlorobenzene                                                           | 6000                                                                    | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| Hexachlorobutadiene                                                         | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| Hexachlorocyclopentadiene                                                   | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| Hexachloroethane                                                            | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| Indeno(1,2,3-cd)pyrene                                                      | 5600                                                                    | 4300 J                                                            | 9.4 J                                                             | 83 J                                                              | < 210                                                               | 1800 J                                                            | < 210                                                          | 65 J                                                            | < 190                                                          | < 230                                                             | 290                                                             |
| Isophorone                                                                  | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| Naphthalene                                                                 | 500000                                                                  | 340 J                                                             | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | 110 J                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | 31 J                                                            |
| Nitrobenzene                                                                | 69000                                                                   | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| N-Nitrosodi-n-propylamine                                                   | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| N-Nitrosodiphenylamine                                                      | -                                                                       | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| Pentachlorophenol                                                           | 6700                                                                    | < 2000 J                                                          | < 410                                                             | < 420                                                             | < 400 J                                                             | < 4100 J                                                          | < 420 J                                                        | < 2100 J                                                        | < 360 J                                                        | < 440 J                                                           | < 350 J                                                         |
| Phenanthrene                                                                | 500000                                                                  | 2400 J                                                            | < 210                                                             | 79 J                                                              | 19 J                                                                | 290 J                                                             | 230                                                            | 470 J                                                           | < 190                                                          | 15 J                                                              | 670                                                             |
| Phenol                                                                      | 500000                                                                  | < 1000 J                                                          | < 210                                                             | < 220                                                             | < 210                                                               | < 2100                                                            | < 210                                                          | < 1100                                                          | < 190                                                          | < 230                                                             | < 180                                                           |
| Pyrene                                                                      | 500000                                                                  | 6700 J                                                            | 18 J                                                              | 3600                                                              | < 210                                                               | 19000                                                             | 110 J                                                          | 260 J                                                           | < 190                                                          | 41 J                                                              | 860                                                             |
| Total Petroleum Hydrocarbons (mg/kg)                                        |                                                                         |                                                                   |                                                                   |                                                                   |                                                                     |                                                                   |                                                                |                                                                 |                                                                |                                                                   |                                                                 |
| Gasoline                                                                    | -                                                                       | -                                                                 | -                                                                 | -                                                                 | -                                                                   | -                                                                 | -                                                              | -                                                               | -                                                              | -                                                                 | -                                                               |
| Kerosene                                                                    | -                                                                       | -                                                                 | -                                                                 | -                                                                 | -                                                                   | -                                                                 | -                                                              | -                                                               | -                                                              | -                                                                 | -                                                               |
| Motor Oil                                                                   | -                                                                       | -                                                                 | -                                                                 | -                                                                 | -                                                                   | -                                                                 | -                                                              | -                                                               | -                                                              | -                                                                 | -                                                               |
| PHC as #2 Fuel Oils C10-C23 #2 Diesel, #2 Fuel Oil                          | -                                                                       | -                                                                 | -                                                                 | -                                                                 | -                                                                   | -                                                                 | -                                                              | -                                                               | -                                                              | -                                                                 | -                                                               |
| Total Petroleum Hydrocarbons (C10-C28) DRO                                  | -                                                                       | -                                                                 | -                                                                 | -                                                                 | -                                                                   | -                                                                 | -                                                              | -                                                               | -                                                              | -                                                                 | -                                                               |
| Total Petroleum Hydrocarbons (C12-C24) Fuel Oil #4                          | -                                                                       | -                                                                 | -                                                                 | -                                                                 | -                                                                   | -                                                                 | -                                                              | -                                                               | -                                                              | -                                                                 | -                                                               |
| Total Petroleum Hydrocarbons - Fuel Oil #6                                  | -                                                                       | -                                                                 | -                                                                 | -                                                                 | -                                                                   | -                                                                 | -                                                              | -                                                               | -                                                              | -                                                                 | -                                                               |
| Unknown Petroleum Hydrocarbon (Diesel Range)                                | -                                                                       | -                                                                 | -                                                                 | -                                                                 | -                                                                   | -                                                                 | -                                                              | -                                                               | -                                                              | -                                                                 | -                                                               |
| Volatile Organic Compounds (ug/kg)                                          |                                                                         |                                                                   |                                                                   |                                                                   |                                                                     |                                                                   |                                                                |                                                                 |                                                                |                                                                   |                                                                 |
| 1,1,1-Trichloroethane                                                       | 500000                                                                  | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| 1,1,2,2-Tetrachloroethane                                                   | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| 1,1,2-Trichloroethane                                                       | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| 1,1-Dichloroethane                                                          | 240000                                                                  | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| 1,1-Dichloroethene                                                          | 500000                                                                  | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| 1,2,4-Trichlorobenzene                                                      | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| 1,2-Dibromo-3-chloropropane (DBCP)                                          | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| 1,2-Dibromoethane (Ethylene Dibromide)                                      | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| 1,2-Dichlorobenzene                                                         | 500000                                                                  | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| 1,2-Dichloroethane                                                          | 30000                                                                   | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| 1,2-Dichloroethene (total)                                                  | -                                                                       | < 12 J                                                            | < 13 J                                                            | < 13 J                                                            | < 59 J                                                              | < 250 J                                                           | < 64 J                                                         | < 1000 J                                                        | < 11 J                                                         | < 13 J                                                            | < 11 J                                                          |
| 1,2-Dichloropropane                                                         | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |

TABLE III  
Off-Site Soil Analytical Results  
East Station Former MGP  
Rochester, New York

| Location<br>Sample Date<br>Sample Type<br>Sample Depth (bgs)<br>Sample Name | NYSDEC<br>Restricted Use<br>Soil Cleanup<br>Objective for<br>Commercial | SB-12-06<br>10/07/2013<br>N<br>12 - 13.5 (ft)<br>4542-100713-1140 | SB-12-06<br>10/07/2013<br>N<br>20.5 - 22 (ft)<br>4542-100713-1145 | SB-12-06<br>10/07/2013<br>N<br>30 - 31.5 (ft)<br>4542-100713-1150 | SB-12-07<br>10/04/2013<br>N<br>12.9 - 14.4 (ft)<br>4542-100413-1425 | SB-12-08<br>10/04/2013<br>N<br>20 - 21.5 (ft)<br>4542-100413-1300 | SB-12-09<br>10/03/2013<br>N<br>8 - 10 (ft)<br>4542-100313-1455 | SB-12-10<br>10/04/2013<br>N<br>8 - 9.5 (ft)<br>4542-100413-0920 | SB-12-11<br>10/03/2013<br>N<br>8 - 10 (ft)<br>4542-100313-1345 | SB-12-12<br>10/02/2013<br>N<br>17.5 - 19 (ft)<br>4542-100213-1430 | SB-12-12<br>10/02/2013<br>N<br>7.5 - 9 (ft)<br>4542-100213-1500 |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------|
| 1,3-Dichlorobenzene                                                         | 280000                                                                  | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| 1,4-Dichlorobenzene                                                         | 130000                                                                  | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| 2-Butanone (Methyl Ethyl Ketone)                                            | 500000                                                                  | < 30 J                                                            | < 31 J                                                            | < 32 J                                                            | < 150 J                                                             | < 630 J                                                           | < 160 J                                                        | < 2600 J                                                        | < 28 J                                                         | < 33 J                                                            | < 27 J                                                          |
| 2-Hexanone                                                                  | -                                                                       | < 30 J                                                            | < 31 J                                                            | < 32 J                                                            | < 150 J                                                             | < 630 J                                                           | < 160 J                                                        | < 2600 J                                                        | < 28 J                                                         | < 33 J                                                            | < 27 J                                                          |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)                               | -                                                                       | < 30 J                                                            | < 31 J                                                            | < 32 J                                                            | < 150 J                                                             | < 630 J                                                           | < 160 J                                                        | < 2600 J                                                        | < 28 J                                                         | < 33 J                                                            | < 27 J                                                          |
| Acetone                                                                     | 500000                                                                  | 27 J                                                              | 23 J                                                              | < 32 J                                                            | 44 J                                                                | < 630 J                                                           | 59 J                                                           | < 2600 J                                                        | < 28 J                                                         | < 33 J                                                            | < 27 J                                                          |
| Benzene                                                                     | 44000                                                                   | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | 83 J                                                                | 86 J                                                              | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Bromodichloromethane                                                        | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Bromoform                                                                   | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Bromomethane (Methyl Bromide)                                               | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Carbon disulfide                                                            | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Carbon tetrachloride                                                        | 22000                                                                   | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Chlorobenzene                                                               | 500000                                                                  | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Chloroethane                                                                | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Chloroform (Trichloromethane)                                               | 350000                                                                  | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Chloromethane (Methyl Chloride)                                             | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| cis-1,2-Dichloroethene                                                      | 500000                                                                  | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | 1.5 J                                                             | < 5.4 J                                                         |
| cis-1,3-Dichloropropene                                                     | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Cyclohexane                                                                 | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Dibromochloromethane                                                        | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Dichlorodifluoromethane (CFC-12)                                            | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Ethylbenzene                                                                | 390000                                                                  | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | 2.4 J                                                               | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Isopropylbenzene                                                            | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | 27 J                                                                | < 130 J                                                           | 12 J                                                           | 380 J                                                           | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Methyl acetate                                                              | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Methyl cyclohexane                                                          | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | 7.9 J                                                          | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Methyl Tert Butyl Ether                                                     | 500000                                                                  | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Methylene chloride                                                          | 500000                                                                  | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Styrene                                                                     | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Tetrachloroethene                                                           | 150000                                                                  | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Toluene                                                                     | 500000                                                                  | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| trans-1,2-Dichloroethene                                                    | 500000                                                                  | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| trans-1,3-Dichloropropene                                                   | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Trichloroethene                                                             | 200000                                                                  | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Trichlorofluoromethane (CFC-11)                                             | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Trifluorotrichloroethane (Freon 113)                                        | -                                                                       | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Vinyl chloride                                                              | 13000                                                                   | < 6 J                                                             | < 6.3 J                                                           | < 6.4 J                                                           | < 29 J                                                              | < 130 J                                                           | < 32 J                                                         | < 510 J                                                         | < 5.5 J                                                        | < 6.6 J                                                           | < 5.4 J                                                         |
| Xylene (total)                                                              | 500000                                                                  | < 12 J                                                            | < 13 J                                                            | < 13 J                                                            | < 59 J                                                              | < 250 J                                                           | < 64 J                                                         | < 1000 J                                                        | < 11 J                                                         | < 13 J                                                            | < 11 J                                                          |

- Notes:
- Results were compared to the following criteria:  
[A]: Indicates result is greater than the Restricted Use Soil Cleanup Objective for Commercial (NYSDEC, Table 375-6.8(b), December 2006)
  - <: Result is less than indicated reporting limit.  
J: Estimated result
  - Results in **bold** exceed applicable criteria.
  - Sample type codes: N - Normal

TABLE III  
Off-Site Soil Analytical Results  
East Station Former MGP  
Rochester, New York

| Location<br>Sample Date<br>Sample Type<br>Sample Depth (bgs)<br>Sample Name | NYSDEC<br>Restricted Use<br>Soil Cleanup<br>Objective for<br>Commercial | SB-12-13<br>10/03/2013<br>N<br>12 - 14 (ft)<br>4542-100313-1015 | SB-12-14<br>10/02/2013<br>N<br>8.1 - 9.6 (ft)<br>4542-100213-1200 | SB-12-16<br>10/09/2013<br>N<br>5.5 - 7 (ft)<br>4542-100913-1405 | SB-12-20A<br>10/17/2013<br>N<br>16 - 18 (ft)<br>4552-101713-1130 | SB-12-20A<br>10/17/2013<br>N<br>28 - 30 (ft)<br>4552-101713-1150 | SB-12-21A<br>11/07/2013<br>N<br>11 - 12 (ft)<br>SB-12-21A |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------|
| <b>Inorganic Compounds (mg/kg)</b>                                          |                                                                         |                                                                 |                                                                   |                                                                 |                                                                  |                                                                  |                                                           |
| Aluminum                                                                    | -                                                                       | 5580 J                                                          | 5500 J                                                            | 5900 J                                                          | 4780                                                             | 3140                                                             | -                                                         |
| Antimony                                                                    | -                                                                       | < 19.4 J                                                        | < 16.5 J                                                          | < 18.6 J                                                        | < 19.8                                                           | < 17.5                                                           | -                                                         |
| Arsenic                                                                     | 16                                                                      | 1.2 J                                                           | 3.2                                                               | 6.1 J                                                           | 9.6                                                              | 4.3                                                              | -                                                         |
| Barium                                                                      | 400                                                                     | 42.1                                                            | 27.7                                                              | 23.5                                                            | 43.6                                                             | 23.6                                                             | -                                                         |
| Beryllium                                                                   | 590                                                                     | 0.52                                                            | 0.33                                                              | 0.33                                                            | 0.45                                                             | 0.25                                                             | -                                                         |
| Cadmium                                                                     | 9.3                                                                     | 0.065 J                                                         | 0.067 J                                                           | 0.037 J                                                         | < 0.26                                                           | 0.05 J                                                           | -                                                         |
| Calcium                                                                     | -                                                                       | 119000 J                                                        | 29400 J                                                           | 2460                                                            | 8360                                                             | 64800                                                            | -                                                         |
| Chromium                                                                    | -                                                                       | 8.5                                                             | 6.6                                                               | 8.2                                                             | 8.4                                                              | 5.1                                                              | -                                                         |
| Cobalt                                                                      | -                                                                       | 4.7                                                             | 4                                                                 | 6.4                                                             | 8                                                                | 4.5                                                              | -                                                         |
| Copper                                                                      | 270                                                                     | 12.9 J                                                          | 12.3 J                                                            | 10.9                                                            | 14.6                                                             | 11.2                                                             | -                                                         |
| Cyanide                                                                     | 27                                                                      | < 1.3                                                           | < 1.1                                                             | < 1.2                                                           | 0.97 J                                                           | 0.95 J                                                           | -                                                         |
| Iron                                                                        | -                                                                       | 17400 J                                                         | 10100 J                                                           | 14900                                                           | 18400                                                            | 9880                                                             | -                                                         |
| Lead                                                                        | 1000                                                                    | 1.3 J                                                           | 12 J                                                              | 8.7                                                             | 24.2                                                             | 11.7                                                             | -                                                         |
| Magnesium                                                                   | -                                                                       | 21300                                                           | 8160                                                              | 2080                                                            | 5720                                                             | 35400                                                            | -                                                         |
| Manganese                                                                   | 10000                                                                   | 627 J                                                           | 335 J                                                             | 146                                                             | 341                                                              | 480                                                              | -                                                         |
| Mercury                                                                     | 2.8                                                                     | < 0.033                                                         | < 0.026                                                           | < 0.027 J                                                       | < 0.028                                                          | < 0.022                                                          | -                                                         |
| Nickel                                                                      | 310                                                                     | 14.7                                                            | 9.3                                                               | 15.1                                                            | 19.9                                                             | 10                                                               | -                                                         |
| Potassium                                                                   | -                                                                       | 2220 J                                                          | 1320 J                                                            | 684                                                             | 1720                                                             | 1510                                                             | -                                                         |
| Selenium                                                                    | 1500                                                                    | 0.83 J                                                          | < 4.4 J                                                           | < 5                                                             | < 5.3                                                            | < 4.7                                                            | -                                                         |
| Silver                                                                      | 1500                                                                    | < 0.65                                                          | < 0.55                                                            | < 0.62                                                          | < 0.66                                                           | < 0.58                                                           | -                                                         |
| Sodium                                                                      | -                                                                       | 417                                                             | 102 J                                                             | 207                                                             | 164 J                                                            | 275                                                              | -                                                         |
| Thallium                                                                    | -                                                                       | < 7.8                                                           | < 6.6                                                             | < 7.5                                                           | < 7.9                                                            | < 7                                                              | -                                                         |
| Vanadium                                                                    | -                                                                       | 11.3                                                            | 10.4                                                              | 11.3                                                            | 13                                                               | 6.6                                                              | -                                                         |
| Zinc                                                                        | 10000                                                                   | 21.9                                                            | 20.2                                                              | 40.4                                                            | 83.9                                                             | 40.1                                                             | -                                                         |
| <b>Semi-Volatile Organic Compounds (ug/kg)</b>                              |                                                                         |                                                                 |                                                                   |                                                                 |                                                                  |                                                                  |                                                           |
| 2,2'-oxybis(1-Chloropropane)                                                | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| 2,4,5-Trichlorophenol                                                       | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| 2,4,6-Trichlorophenol                                                       | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| 2,4-Dichlorophenol                                                          | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| 2,4-Dimethylphenol                                                          | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| 2,4-Dinitrophenol                                                           | -                                                                       | < 430                                                           | < 370                                                             | < 440                                                           | < 460                                                            | < 380                                                            | < 460                                                     |
| 2,4-Dinitrotoluene                                                          | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| 2,6-Dinitrotoluene                                                          | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| 2-Chloronaphthalene                                                         | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| 2-Chlorophenol                                                              | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| 2-Methylnaphthalene                                                         | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | 6 J                                                              | < 240                                                     |
| 2-Methylphenol                                                              | 500000                                                                  | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| 2-Nitroaniline                                                              | -                                                                       | < 430                                                           | < 370                                                             | < 440                                                           | < 460                                                            | < 380                                                            | < 460                                                     |
| 2-Nitrophenol                                                               | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| 3,3'-Dichlorobenzidine                                                      | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| 3-Nitroaniline                                                              | -                                                                       | < 430                                                           | < 370                                                             | < 440                                                           | < 460                                                            | < 380                                                            | < 460                                                     |
| 4,6-Dinitro-2-methylphenol                                                  | -                                                                       | < 430                                                           | < 370                                                             | < 440                                                           | < 460                                                            | < 380                                                            | < 460                                                     |
| 4-Bromophenyl phenyl ether                                                  | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| 4-Chloro-3-methylphenol                                                     | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| 4-Chloroaniline                                                             | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| 4-Chlorophenyl phenyl ether                                                 | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| 4-Methylphenol                                                              | 500000                                                                  | < 430                                                           | < 370                                                             | < 440                                                           | < 460                                                            | < 380                                                            | < 460                                                     |
| 4-Nitroaniline                                                              | -                                                                       | < 430                                                           | < 370                                                             | < 440                                                           | < 460                                                            | < 380                                                            | < 460                                                     |
| 4-Nitrophenol                                                               | -                                                                       | < 430 J                                                         | < 370 J                                                           | < 440                                                           | < 460                                                            | < 380                                                            | < 460                                                     |
| Acenaphthene                                                                | 500000                                                                  | < 220                                                           | < 190                                                             | < 230                                                           | 120 J                                                            | 250                                                              | 160 J                                                     |
| Acenaphthylene                                                              | 500000                                                                  | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | 75 J                                                             | < 240                                                     |
| Acetophenone                                                                | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| Anthracene                                                                  | 500000                                                                  | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | 79 J                                                             | 65 J                                                      |
| Atrazine                                                                    | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| Benzaldehyde                                                                | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| Benzo(a)anthracene                                                          | 5600                                                                    | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | 130 J                                                     |

TABLE III  
Off-Site Soil Analytical Results  
East Station Former MGP  
Rochester, New York

| Location<br>Sample Date<br>Sample Type<br>Sample Depth (bgs)<br>Sample Name | NYSDEC<br>Restricted Use<br>Soil Cleanup<br>Objective for<br>Commercial | SB-12-13<br>10/03/2013<br>N<br>12 - 14 (ft)<br>4542-100313-1015 | SB-12-14<br>10/02/2013<br>N<br>8.1 - 9.6 (ft)<br>4542-100213-1200 | SB-12-16<br>10/09/2013<br>N<br>5.5 - 7 (ft)<br>4542-100913-1405 | SB-12-20A<br>10/17/2013<br>N<br>16 - 18 (ft)<br>4552-101713-1130 | SB-12-20A<br>10/09/2013<br>N<br>28 - 30 (ft)<br>4552-101713-1150 | SB-12-21A<br>11/07/2013<br>N<br>11 - 12 (ft)<br>SB-12-21A |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------|
| Benzo(a)pyrene                                                              | 1000                                                                    | < 220                                                           | < 190                                                             | 10 J                                                            | < 240                                                            | < 200                                                            | 99 J                                                      |
| Benzo(b)fluoranthene                                                        | 5600                                                                    | < 220                                                           | 9.1 J                                                             | 11 J                                                            | < 240                                                            | < 200                                                            | 180 J                                                     |
| Benzo(g,h,i)perylene                                                        | 500000                                                                  | < 220                                                           | < 190                                                             | < 230 J                                                         | < 240                                                            | < 200                                                            | 30 J                                                      |
| Benzo(k)fluoranthene                                                        | 56000                                                                   | < 220                                                           | < 190                                                             | 13 J                                                            | < 240                                                            | < 200                                                            | 57 J                                                      |
| Biphenyl                                                                    | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| bis(2-Chloroethoxy)methane                                                  | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| bis(2-Chloroethyl)ether                                                     | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| bis(2-Ethylhexyl)phthalate                                                  | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | 2700                                                             | < 240                                                     |
| Butyl benzylphthalate                                                       | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| Caprolactam                                                                 | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| Carbazole                                                                   | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | 28 J                                                      |
| Chrysene                                                                    | 56000                                                                   | < 220                                                           | < 190                                                             | 8.1 J                                                           | < 240                                                            | < 200                                                            | 100 J                                                     |
| Dibenz(a,h)anthracene                                                       | 560                                                                     | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| Dibenzofuran                                                                | 350000                                                                  | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | 34 J                                                             | < 240                                                     |
| Diethyl phthalate                                                           | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| Dimethyl phthalate                                                          | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| Di-n-butylphthalate                                                         | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| Di-n-octyl phthalate                                                        | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | 58 J                                                             | < 200                                                            | < 240                                                     |
| Fluoranthene                                                                | 500000                                                                  | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | 180 J                                                            | 340                                                       |
| Fluorene                                                                    | 500000                                                                  | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | 140 J                                                            | 33 J                                                      |
| Hexachlorobenzene                                                           | 6000                                                                    | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| Hexachlorobutadiene                                                         | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| Hexachlorocyclopentadiene                                                   | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| Hexachloroethane                                                            | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| Indeno(1,2,3-cd)pyrene                                                      | 5600                                                                    | < 220                                                           | < 190                                                             | 12 J                                                            | < 240                                                            | < 200                                                            | 30 J                                                      |
| Isophorone                                                                  | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| Naphthalene                                                                 | 500000                                                                  | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| Nitrobenzene                                                                | 69000                                                                   | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| N-Nitrosodi-n-propylamine                                                   | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| N-Nitrosodiphenylamine                                                      | -                                                                       | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| Pentachlorophenol                                                           | 6700                                                                    | < 430 J                                                         | 120 J                                                             | < 440                                                           | < 460                                                            | < 380                                                            | < 460                                                     |
| Phenanthrene                                                                | 500000                                                                  | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | 52 J                                                             | 220 J                                                     |
| Phenol                                                                      | 500000                                                                  | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | < 200                                                            | < 240                                                     |
| Pyrene                                                                      | 500000                                                                  | < 220                                                           | < 190                                                             | < 230                                                           | < 240                                                            | 260                                                              | 220 J                                                     |
| Total Petroleum Hydrocarbons (mg/kg)                                        |                                                                         |                                                                 |                                                                   |                                                                 |                                                                  |                                                                  |                                                           |
| Gasoline                                                                    | -                                                                       | -                                                               | -                                                                 | -                                                               | -                                                                | -                                                                | < 19                                                      |
| Kerosene                                                                    | -                                                                       | -                                                               | -                                                                 | -                                                               | -                                                                | -                                                                | < 46                                                      |
| Motor Oil                                                                   | -                                                                       | -                                                               | -                                                                 | -                                                               | -                                                                | -                                                                | < 93                                                      |
| PHC as #2 Fuel Oils C10-C23 #2 Diesel, #2 Fuel Oil                          | -                                                                       | -                                                               | -                                                                 | -                                                               | -                                                                | -                                                                | 69                                                        |
| Total Petroleum Hydrocarbons (C10-C28) DRO                                  | -                                                                       | -                                                               | -                                                                 | -                                                               | -                                                                | -                                                                | 69                                                        |
| Total Petroleum Hydrocarbons (C12-C24) Fuel Oil #4                          | -                                                                       | -                                                               | -                                                                 | -                                                               | -                                                                | -                                                                | < 46                                                      |
| Total Petroleum Hydrocarbons - Fuel Oil #6                                  | -                                                                       | -                                                               | -                                                                 | -                                                               | -                                                                | -                                                                | < 46                                                      |
| Unknown Petroleum Hydrocarbon (Diesel Range)                                | -                                                                       | -                                                               | -                                                                 | -                                                               | -                                                                | -                                                                | < 46                                                      |
| Volatile Organic Compounds (ug/kg)                                          |                                                                         |                                                                 |                                                                   |                                                                 |                                                                  |                                                                  |                                                           |
| 1,1,1-Trichloroethane                                                       | 500000                                                                  | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| 1,1,2,2-Tetrachloroethane                                                   | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| 1,1,2-Trichloroethane                                                       | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| 1,1-Dichloroethane                                                          | 240000                                                                  | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| 1,1-Dichloroethene                                                          | 500000                                                                  | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| 1,2,4-Trichlorobenzene                                                      | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| 1,2-Dibromo-3-chloropropane (DBCP)                                          | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| 1,2-Dibromoethane (Ethylene Dibromide)                                      | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| 1,2-Dichlorobenzene                                                         | 500000                                                                  | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| 1,2-Dichloroethane                                                          | 30000                                                                   | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| 1,2-Dichloroethene (total)                                                  | -                                                                       | < 13 J                                                          | < 11 J                                                            | < 14 J                                                          | < 14                                                             | < 12                                                             | -                                                         |
| 1,2-Dichloropropane                                                         | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |

TABLE III  
Off-Site Soil Analytical Results  
East Station Former MGP  
Rochester, New York

| Location<br>Sample Date<br>Sample Type<br>Sample Depth (bgs)<br>Sample Name | NYSDEC<br>Restricted Use<br>Soil Cleanup<br>Objective for<br>Commercial | SB-12-13<br>10/03/2013<br>N<br>12 - 14 (ft)<br>4542-100313-1015 | SB-12-14<br>10/02/2013<br>N<br>8.1 - 9.6 (ft)<br>4542-100213-1200 | SB-12-16<br>10/09/2013<br>N<br>5.5 - 7 (ft)<br>4542-100913-1405 | SB-12-20A<br>10/17/2013<br>N<br>16 - 18 (ft)<br>4552-101713-1130 | SB-12-20A<br>10/17/2013<br>N<br>28 - 30 (ft)<br>4552-101713-1150 | SB-12-21A<br>11/07/2013<br>N<br>11 - 12 (ft)<br>SB-12-21A |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------|
| 1,3-Dichlorobenzene                                                         | 280000                                                                  | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| 1,4-Dichlorobenzene                                                         | 130000                                                                  | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| 2-Butanone (Methyl Ethyl Ketone)                                            | 500000                                                                  | < 33 J                                                          | < 29 J                                                            | < 34 J                                                          | < 35                                                             | < 29                                                             | -                                                         |
| 2-Hexanone                                                                  | -                                                                       | < 33 J                                                          | < 29 J                                                            | < 34 J                                                          | < 35                                                             | < 29                                                             | -                                                         |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)                               | -                                                                       | < 33 J                                                          | < 29 J                                                            | < 34 J                                                          | < 35                                                             | < 29                                                             | -                                                         |
| Acetone                                                                     | 500000                                                                  | < 33 J                                                          | < 29 J                                                            | < 34 J                                                          | 22 J                                                             | < 29                                                             | -                                                         |
| Benzene                                                                     | 44000                                                                   | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | 2.2 J                                                            | -                                                         |
| Bromodichloromethane                                                        | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Bromoform                                                                   | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Bromomethane (Methyl Bromide)                                               | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Carbon disulfide                                                            | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Carbon tetrachloride                                                        | 22000                                                                   | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Chlorobenzene                                                               | 500000                                                                  | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Chloroethane                                                                | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Chloroform (Trichloromethane)                                               | 350000                                                                  | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Chloromethane (Methyl Chloride)                                             | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| cis-1,2-Dichloroethene                                                      | 500000                                                                  | < 6.5 J                                                         | 2 J                                                               | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| cis-1,3-Dichloropropene                                                     | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Cyclohexane                                                                 | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Dibromochloromethane                                                        | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Dichlorodifluoromethane (CFC-12)                                            | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Ethylbenzene                                                                | 390000                                                                  | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Isopropylbenzene                                                            | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Methyl acetate                                                              | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Methyl cyclohexane                                                          | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Methyl Tert Butyl Ether                                                     | 500000                                                                  | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Methylene chloride                                                          | 500000                                                                  | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Styrene                                                                     | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Tetrachloroethene                                                           | 150000                                                                  | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Toluene                                                                     | 500000                                                                  | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| trans-1,2-Dichloroethene                                                    | 500000                                                                  | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| trans-1,3-Dichloropropene                                                   | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Trichloroethene                                                             | 200000                                                                  | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Trichlorofluoromethane (CFC-11)                                             | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Trifluorotrichloroethane (Freon 113)                                        | -                                                                       | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Vinyl chloride                                                              | 13000                                                                   | < 6.5 J                                                         | < 5.7 J                                                           | < 6.8 J                                                         | < 7.1                                                            | < 5.8                                                            | -                                                         |
| Xylene (total)                                                              | 500000                                                                  | < 13 J                                                          | < 11 J                                                            | < 14 J                                                          | < 14                                                             | < 12                                                             | -                                                         |

- Notes:
- Results were compared to the following criteria:  
    [A]: Indicates result is greater than the Restricted Use Soil Cleanup  
        Objective for Commercial (NYSDEC, Table 375-6.8(b), December 2006)
  - <: Result is less than indicated reporting limit.  
    J: Estimated result
  - Results in **bold** exceed applicable criteria.
  - Sample type codes: N - Normal

TABLE IV  
Off-Site Bedrock Coring and Bedrock Monitoring Well Locations, Rationale, and Observations Summary  
East Station Former MGP  
Rochester, New York

| Boring ID            | Associated Overburden Boring ID | General Off-Site Location                                                                    | Rationale                                                                                                  | Maximum Exploration Depth and Description (ft bgs) | MGP Residuals Observations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Well Completions                                                                        |
|----------------------|---------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| BR-12-01<br>DW-12-01 | SB-12-10                        | Within former B&L foundation slab approximately 140 feet north of B&L/RG&E property boundary | Investigate off-site bedrock conditions north of on-site bedrock coring locations<br>BR-10-02 and BR-10-03 | 162ft<br>(approx. 17.1 ft in Queenston Shale)      | <u>62.5 to 66.5 ft</u> : OLM, sheen and naphthalene-like odor (Reynales Limestone)<br><u>70.0 - 71.0 ft, 75.0 - 77.0 ft, 82.0 - 84.0 ft</u> : Trace sheen and naphthalene-like odor (Maplewood Shale)<br><u>136.1 ft</u> : Trace sheen noted on outside of core and weathered joint (Grimsby Sandstone)                                                                                                                                                                                                                                                                       | <u>Nested</u> :<br>Reynales<br>Maplewood<br><br><u>Nested</u> :<br>Grimsby<br>Queenston |
| BR-12-02<br>DW-12-02 | SB-12-06                        | Southeastern portion of B&L property north of B&L/RG&E property boundary                     | Investigate off-site bedrock conditions north of on-site bedrock coring locations<br>BR-10-01 and BR-10-02 | 178 ft<br>(approx. 14.7 ft in Queenston Shale)     | <u>33.8 - 34.4 ft</u> : Slight acrid odor (Irondequoit Limestone)<br><u>35.0 - 35.7</u> : Sheen and acrid odor (Irondequoit Limestone)<br><u>36.6 - 37.3 ft, 40.0 - 40.2 ft</u> : OLM/sheen, strong acrid odor (Irondequoit Limestone)<br><u>40.5 ft</u> : OLM noted in wash water with strong naphthalene-like odor (Irondequoit Limestone)<br><u>108.0 - 113.0 ft</u> : Trace sheen observed in wash water (Maplewood Shale)                                                                                                                                                | Irondequoit<br>Maplewood                                                                |
| BR-12-03<br>DW-12-03 | Soil sampling completed         | Northern corner of B&L property                                                              | Investigate off-site bedrock conditions along far northern property boundary                               | 144 ft<br>(approx. 10.3 ft in Queenston Shale)     | <u>74.1 to 74.2 ft</u> : Slight MGP odor (Maplewood Shale)<br><u>94.4 to 97.4 ft</u> : Single OLM bleb, sheen, and naphthalene-like odor (Grimsby Sandstone)<br><u>101.4 ft, 101.6 - 103.5 ft, 104.8 to 105.0 ft</u> : Weathered joints with sheen and naphthalene-like odor (Grimsby Sandstone)<br><i>Note: Trace sheen was observed on Grimsby Sandstone core samples retrieved below 105, however it is likely related to the weathered zones noted above for Grimsby Sandstone as the extent of sheen decreased with depth and less fracture weathering was observed.</i> | <u>Nested</u> :<br>Maplewood<br>Grimsby                                                 |

**Notes & Abbreviations:**  
ft bgs: feet below ground surface; note that all depths are approximate  
BR: Bedrock coring location identification  
DW: Deep (bedrock) monitoring well identification  
NAPL: Non-aqueous phase liquid product  
OLM: Oil-like material  
TLM: Tar-like material

TABLE V  
Bedrock Monitoring Well Construction Summary  
East Station Former MGP  
Rochester, New York

| Boring ID            | General Off-Site Location                                                                    | Ground Surface Elevation (ft AMSL) | Top of Bedrock Surface |         | Total Corehole Depth |         | Bedrock Casing Diameter & Depth (in., ft bgs) | Monitoring Well ID | Top of PVC Elevation <sup>See Note 1</sup> (ft AMSL) | Screen Depth (ft bgs) | Screen Elevation (ft AMSL) | Bedrock Zone         |
|----------------------|----------------------------------------------------------------------------------------------|------------------------------------|------------------------|---------|----------------------|---------|-----------------------------------------------|--------------------|------------------------------------------------------|-----------------------|----------------------------|----------------------|
|                      |                                                                                              |                                    | ft bgs                 | ft AMSL | ft bgs               | ft AMSL |                                               |                    |                                                      | Top - Bottom          | Top - Bottom               |                      |
| BR-12-01<br>DW-12-01 | Within former B&L foundation slab approximately 140 feet north of B&L/RG&E property boundary | 401.3                              | 9.5                    | 391.8   | 87.5                 | 313.8   | 8" - 20<br>6" - 92                            | BR-12-01R          | 401.87                                               | 57 - 67               | 344.3 - 334.3              | Zone 1 - Reynales    |
|                      |                                                                                              |                                    |                        |         |                      |         |                                               | BR-12-01M          | 401.87                                               | 74 - 84               | 327.3 - 317.3              | Zone 2 - Maplewood   |
|                      |                                                                                              | 401.3                              | 9.5                    | 391.8   | 162.0                | 239.3   | 8" - 22.4                                     | BR-12-01G          | 403.42                                               | 120.2 - 130.2         | 281.1 - 271.1              | Zone 3 - Grimsby     |
|                      |                                                                                              |                                    |                        |         |                      |         |                                               | BR-12-01Q          | 403.15                                               | 148 - 158             | 253.3 - 243.3              | Zone 4 - Queenston   |
| BR-12-02<br>DW-12-02 | Southeastern portion of B&L property north of B&L/RG&E property boundary                     | 421.0                              | 32.0                   | 389.0   | 44.0                 | 377.0   | None - Shallow Bedrock                        | BR-12-02I          | 423.54                                               | 35 - 42               | 386.0 - 379.0              | Zone 0 - Irondequoit |
|                      |                                                                                              | 421.1                              | 32.0                   | 389.1   | 178.0                | 243.1   | 8" - 49.9                                     | BR-12-02M          | 422.82                                               | 90 - 105              | 331.1 - 316.1              | Zone 2 - Maplewood   |
| BR-12-03<br>DW-12-03 | Northern corner of B&L property                                                              | 399.2                              | 23.9                   | 375.3   | 144.0                | 255.2   | 8" - 26                                       | BR-12-03M          | 400.81                                               | 65 - 75               | 334.2 - 324.2              | Zone 2 - Maplewood   |
|                      |                                                                                              |                                    |                        |         |                      |         |                                               | BR-12-03G          | 400.81                                               | 90 - 105              | 309.2 - 294.2              | Zone 3 - Grimsby     |

**Notes & Abbreviations**  
BR: Bedrock coring designation  
DW: Deep (bedrock) well designation  
ft AMSL: feet above mean sea level (NYS Barge Canal Datum)  
ft bgs: feet below ground surface  
1. Top of PVC reference elevations measured from northern side of PVC riser.

TABLE VI  
Groundwater Elevation Monitoring Results  
East Station Former MGP  
Rochester, New York

| Monitoring Well ID          | Reference Elevation | September 2011                |                                 |                      |                      | December 2011                 |                                 |                      |                      | February 2013                 |                                 |                      |                      | December 2013                 |                                 |                      |                      |
|-----------------------------|---------------------|-------------------------------|---------------------------------|----------------------|----------------------|-------------------------------|---------------------------------|----------------------|----------------------|-------------------------------|---------------------------------|----------------------|----------------------|-------------------------------|---------------------------------|----------------------|----------------------|
|                             |                     | Depth to Groundwater (ft bgs) | Groundwater Elevation (ft AMSL) | LNAPL Thickness (ft) | DNAPL Thickness (ft) | Depth to Groundwater (ft bgs) | Groundwater Elevation (ft AMSL) | LNAPL Thickness (ft) | DNAPL Thickness (ft) | Depth to Groundwater (ft bgs) | Groundwater Elevation (ft AMSL) | LNAPL Thickness (ft) | DNAPL Thickness (ft) | Depth to Groundwater (ft bgs) | Groundwater Elevation (ft AMSL) | LNAPL Thickness (ft) | DNAPL Thickness (ft) |
| Overburden Recovery Wells   |                     |                               |                                 |                      |                      |                               |                                 |                      |                      |                               |                                 |                      |                      |                               |                                 |                      |                      |
| RW-1                        | 412.71              | 17.21                         | 395.50                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | 16.51                         | 396.20                          | np                   | np                   |
| RW-2                        | 412.51              | 16.93                         | 395.58                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | 16.23                         | 396.28                          | np                   | np                   |
| RW-3                        | 412.35              | 16.75                         | 395.60                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   |
| RW-4                        | 411.97              | 16.42                         | 395.55                          | np                   | np                   | 15.23                         | 396.74                          | np                   | np                   | 14.15                         | 397.82                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   |
| RW-5                        | 411.86              | 16.30                         | 395.56                          | 0.07                 | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   |
| RW-6                        | 410.17              | 14.53                         | 395.64                          | np                   | np                   | 13.38                         | 396.79                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   |
| RW-7                        | 410.25              | 14.59                         | 395.66                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   |
| RW-8                        | 407.69              | 11.96                         | 395.73                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   |
| RW-9                        | 406.90              | 11.20                         | 395.70                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | 10.50                         | 396.40                          | np                   | np                   |
| RW-10                       | 405.53              | 9.84                          | 395.69                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | 7.60                          | 397.93                          | np                   | np                   | 9.13                          | 396.40                          | np                   | np                   |
| RW-11                       | 404.19              | 8.49                          | 395.70                          | np                   | np                   | 7.35                          | 396.84                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   |
| RW-12                       | 403.60              | 7.91                          | 395.69                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   |
| RW-13                       | 404.64              | 9.38                          | 395.26                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   |
| RW-14                       | 401.72              | 6.52                          | 395.20                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | 5.51                          | 396.21                          | np                   | np                   |
| RW-15                       | 401.86              | 6.69                          | 395.17                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   |
| RW-16                       | 402.08              | 6.88                          | 395.20                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   |
| RW-17                       | 402.02              | 6.92                          | 395.10                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   |
| RW-18                       | 402.49              | 7.33                          | 395.16                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   |
| RW-19                       | 402.43              | 7.27                          | 395.16                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | 6.26                          | 396.17                          | np                   | np                   |
| RW-20                       | 406.02              | 10.82                         | 395.20                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   |
| RW-21                       | 403.25              | 7.71                          | 395.54                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   |
| RW-22                       | 403.64              | 8.19                          | 395.45                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   |
| RW-23                       | 413.72              | 14.92                         | 398.80                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | 14.67                         | 399.05                          | np                   | np                   |
| Overburden Monitoring Wells |                     |                               |                                 |                      |                      |                               |                                 |                      |                      |                               |                                 |                      |                      |                               |                                 |                      |                      |
| MW-2R                       | 401.62              | 11.81                         | 389.81                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | 10.17                         | 391.45                          | nc                   | nc                   |
| MW-4R                       | 403.25              | 11.67                         | 391.58                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   |
| MW-6                        | 421.24              | 12.21                         | 409.03                          | np                   | np                   | 11.36                         | 409.88                          | np                   | np                   | 10.52                         | 410.72                          | np                   | np                   | 12.41                         | 408.83                          | np                   | np                   |
| MW-7                        | 428.82              | 18.92                         | 409.90                          | np                   | np                   | 18.02                         | 410.80                          | np                   | np                   | 17.06                         | 411.76                          | np                   | np                   | 19.01                         | 409.81                          | np                   | np                   |
| PZ-01R                      | 411.08              | 19.61                         | 391.47                          | np                   | np                   | 19.81                         | 391.27                          | np                   | np                   | 18.56                         | 392.52                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   |
| PZ-1                        | 414.62              | 13.56                         | 401.06                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   |
| PZ-5                        | 421.37              | 23.24                         | 398.13                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   |
| PZ-11                       | 402.15              | 7.76                          | 394.39                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | 6.83                          | 395.32                          | np                   | np                   |
| PZ-12                       | 416.70              | 10.04                         | 406.66                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   |
| PZ-13                       | 420.52              | 11.75                         | 408.77                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | 11.86                         | 408.66                          | np                   | np                   |
| PZ-14                       | 421.86              | 6.46                          | 415.40                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   |
| SW-4                        | 415.98              | 9.79                          | 406.19                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | 8.91                          | 407.07                          | np                   | np                   | 9.86                          | 406.12                          | np                   | np                   |
| SW-5                        | 439.09              | DRY                           | DRY                             | DRY                  | DRY                  | DRY                           | DRY                             | DRY                  | DRY                  | DRY                           | DRY                             | DRY                  | DRY                  | DRY                           | DRY                             | DRY                  | DRY                  |
| TPMW-1                      | 419.06              | 17.98                         | 401.08                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | 18.05                         | 401.01                          | np                   | np                   |
| TPMW-2                      | 414.79              | 15.62                         | 399.17                          | np                   | np                   | 13.80                         | 400.99                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | 15.50                         | 399.29                          | np                   | np                   |
| SW-10-01                    | 402.55              | 8.22                          | 394.33                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | 7.40                          | 395.15                          | np                   | np                   |
| SW-10-02                    | 415.61              | 11.62                         | 403.99                          | np                   | np                   | 10.51                         | 405.10                          | np                   | np                   | 7.15                          | 408.46                          | np                   | np                   | 11.33                         | 404.28                          | np                   | np                   |
| SW-10-06                    | 420.92              | 12.02                         | 408.90                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | 12.11                         | 408.81                          | np                   | np                   |
| SW-10-07                    | 420.35              | 12.72                         | 407.63                          | np                   | np                   | 12.50                         | 407.85                          | np                   | np                   | 12.17                         | 408.18                          | np                   | np                   | 12.71                         | 407.64                          | np                   | np                   |
| SW-10-08                    | 422.72              | 13.08                         | 409.64                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | 13.17                         | 409.55                          | np                   | np                   |
| SW-10-09                    | 418.80              | 20.31                         | 398.49                          | np                   | Trace                | nc                            | nc                              | nc                   | nc                   | 19.42                         | 399.38                          | np                   | np                   | 20.47                         | 398.33                          | np                   | np                   |
| SW-10-10                    | 417.32              | 18.91                         | 398.41                          | np                   | np                   | 18.20                         | 399.12                          | np                   | np                   | 24.25                         | 393.07                          | np                   | np                   | 19.04                         | 398.28                          | np                   | np                   |
| SW-10-12                    | 403.85              | 13.61                         | 390.24                          | np                   | np                   | 13.26                         | 390.59                          | np                   | np                   | 11.67                         | 392.18                          | np                   | np                   | 12.03                         | 391.82                          | np                   | np                   |
| SW-10-14                    | 405.11              | 15.21                         | 389.90                          | np                   | 2.70                 | nc                            | nc                              | np                   | 2.60                 | nc                            | nc                              | np                   | 1.54                 | 13.54                         | 391.57                          | np                   | 0.95                 |
| SW-10-15                    | 414.02              | 19.55                         | 394.47                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | 18.94                         | 395.08                          | np                   | np                   |
| SW-10-16                    | 400.80              | 10.96                         | 389.84                          | np                   | np                   | 10.40                         | 390.40                          | np                   | np                   | 8.57                          | 392.23                          | np                   | np                   | 9.16                          | 391.64                          | np                   | np                   |
| SW-10-21                    | 423.15              | 15.05                         | 408.10                          | np                   | np                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   | nc                            | nc                              | nc                   | nc                   |
| SW-12-01                    | 402.12              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 10.43                         | 391.69                          | np                   | np                   |
| SW-12-04                    | 405.27              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 4.61                          | 400.66                          | np                   | np                   |
| SW-12-05                    | 416.95              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 11.76                         | 405.19                          | np                   | np                   |
| SW-12-06                    | 423.79              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 16.64                         | 407.15                          | np                   | Trace                |
| SW-12-10                    | 404.06              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 9.64                          | 394.42                          | np                   | np                   |
| SW-12-13                    | 404.52              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 11.25                         | 393.27                          | np                   | np                   |
| SW-12-20                    | 417.20              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 18.29                         | 398.91                          | np                   | Trace                | 19.28                         | 397.92                          | np                   | np                   |
| SW-12-21                    | 429.62              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 16.11                         | 413.51                          | np                   | np                   | 19.66                         | 409.96                          | np                   | np                   |

TABLE VI  
Groundwater Elevation Monitoring Results  
East Station Former MGP  
Rochester, New York

| Monitoring Well ID       | Reference Elevation | September 2011                |                                 |                      |                      | December 2011                 |                                 |                      |                      | February 2013                 |                                 |                      |                      | December 2013                 |                                 |                      |                      |
|--------------------------|---------------------|-------------------------------|---------------------------------|----------------------|----------------------|-------------------------------|---------------------------------|----------------------|----------------------|-------------------------------|---------------------------------|----------------------|----------------------|-------------------------------|---------------------------------|----------------------|----------------------|
|                          |                     | Depth to Groundwater (ft bgs) | Groundwater Elevation (ft AMSL) | LNAPL Thickness (ft) | DNAPL Thickness (ft) | Depth to Groundwater (ft bgs) | Groundwater Elevation (ft AMSL) | LNAPL Thickness (ft) | DNAPL Thickness (ft) | Depth to Groundwater (ft bgs) | Groundwater Elevation (ft AMSL) | LNAPL Thickness (ft) | DNAPL Thickness (ft) | Depth to Groundwater (ft bgs) | Groundwater Elevation (ft AMSL) | LNAPL Thickness (ft) | DNAPL Thickness (ft) |
| Bedrock Monitoring Wells |                     |                               |                                 |                      |                      |                               |                                 |                      |                      |                               |                                 |                      |                      |                               |                                 |                      |                      |
| DW-1R                    | 401.04              | nc                            | nc                              | nc                   | nc                   | 11.10                         | 389.94                          | np                   | np                   | 9.29                          | 391.75                          | np                   | np                   | 9.58                          | 391.46                          | np                   | np                   |
| DW-3R                    | 407.42              | nc                            | nc                              | nc                   | nc                   | 15.53                         | 391.89                          | np                   | 0.48                 | 14.17                         | 393.25                          | np                   | 0.73                 | nc                            | nc                              | np                   | 0.45                 |
| MW-3DR                   | 401.02              | nc                            | nc                              | nc                   | nc                   | 11.07                         | 389.95                          | np                   | np                   | 9.36                          | 391.66                          | np                   | np                   | 9.56                          | 391.46                          | np                   | np                   |
| MW-5R                    | 410.50              | nc                            | nc                              | nc                   | nc                   | 16.65                         | 393.85                          | np                   | 0.32                 | nc                            | nc                              | np                   | 0.40                 | nc                            | nc                              | np                   | 0.3                  |
| MW-6D                    | 421.16              | nc                            | nc                              | nc                   | nc                   | 15.42                         | 405.74                          | np                   | np                   | 14.76                         | 406.40                          | np                   | np                   | 16.15                         | 405.01                          | np                   | np                   |
| MW-8DR                   | 411.63              | nc                            | nc                              | nc                   | nc                   | 18.32                         | 393.31                          | np                   | np                   | 17.10                         | 394.53                          | np                   | np                   | 17.69                         | 393.94                          | np                   | np                   |
| DW-5                     | 438.75              | nc                            | nc                              | nc                   | nc                   | 34.83                         | 403.92                          | np                   | np                   | 34.63                         | 404.12                          | np                   | np                   | 34.97                         | 403.78                          | np                   | np                   |
| DW-10-01R                | 419.57              | --                            | --                              | --                   | --                   | 32.30                         | 387.27                          | np                   | np                   | 30.10                         | 389.47                          | np                   | np                   | 30.00                         | 389.57                          | np                   | np                   |
| DW-10-01M                | 419.57              | --                            | --                              | --                   | --                   | 30.19                         | 389.38                          | np                   | np                   | 29.10                         | 390.47                          | np                   | np                   | 29.01                         | 390.56                          | np                   | np                   |
| DW-10-01G                | 419.55              | --                            | --                              | --                   | --                   | 32.58                         | 386.97                          | np                   | np                   | 30.28                         | 389.27                          | np                   | np                   | 30.12                         | 389.43                          | np                   | np                   |
| DW-10-02G                | 407.35              | --                            | --                              | --                   | --                   | 18.64                         | 388.71                          | np                   | np                   | 16.82                         | 390.53                          | np                   | np                   | 16.63                         | 390.72                          | np                   | np                   |
| DW-10-02Q                | 407.36              | --                            | --                              | --                   | --                   | 18.45                         | 388.91                          | np                   | np                   | 16.70                         | 390.66                          | np                   | np                   | 16.50                         | 390.86                          | np                   | np                   |
| DW-10-03R                | 399.89              | --                            | --                              | --                   | --                   | 10.02                         | 389.87                          | np                   | np                   | 8.24                          | 391.65                          | np                   | np                   | 8.29                          | 391.60                          | np                   | np                   |
| DW-10-03M                | 399.95              | --                            | --                              | --                   | --                   | 10.13                         | 389.82                          | np                   | np                   | 8.44                          | 391.51                          | np                   | np                   | 8.42                          | 391.53                          | np                   | np                   |
| DW-10-03G                | 399.86              | --                            | --                              | --                   | --                   | 11.37                         | 388.49                          | np                   | np                   | 8.80                          | 391.06                          | np                   | np                   | 8.55                          | 391.31                          | np                   | np                   |
| DW-10-04R                | 411.10              | --                            | --                              | --                   | --                   | 21.83                         | 389.27                          | np                   | 0.4                  | 19.35                         | 391.75                          | np                   | 1.74                 | 19.28                         | 391.82                          | np                   | 1.4                  |
| DW-10-04M                | 411.13              | --                            | --                              | --                   | --                   | 21.50                         | 389.63                          | np                   | np                   | 19.32                         | 391.81                          | np                   | np                   | 19.37                         | 391.76                          | np                   | np                   |
| DW-10-04G                | 411.08              | --                            | --                              | --                   | --                   | 21.54                         | 389.54                          | np                   | np                   | 19.28                         | 391.80                          | np                   | np                   | 19.14                         | 391.94                          | np                   | np                   |
| DW-10-05G                | 420.42              | --                            | --                              | --                   | --                   | 33.30                         | 387.12                          | np                   | np                   | 31.62                         | 388.80                          | np                   | np                   | 31.42                         | 389.00                          | np                   | np                   |
| DW-10-06G                | 425.25              | --                            | --                              | --                   | --                   | 50.91                         | 374.34                          | np                   | np                   | 49.47                         | 375.78                          | np                   | np                   | 48.97                         | 376.28                          | np                   | np                   |
| DW-10-06Q                | 425.31              | --                            | --                              | --                   | --                   | 51.31                         | 374.00                          | np                   | np                   | 50.02                         | 375.29                          | np                   | np                   | 49.48                         | 375.83                          | np                   | np                   |
| DW-10-07M                | 416.13              | --                            | --                              | --                   | --                   | 24.65                         | 391.48                          | np                   | 1.45                 | 23.68                         | 392.45                          | np                   | 1.45                 | 23.80                         | 392.33                          | np                   | 2.0                  |
| DW-10-07G                | 416.09              | --                            | --                              | --                   | --                   | 26.00                         | 390.09                          | np                   | np                   | 24.25                         | 391.84                          | np                   | np                   | 24.08                         | 392.01                          | np                   | np                   |
| DW-10-08R                | 428.45              | --                            | --                              | --                   | --                   | 37.69                         | 390.76                          | np                   | np                   | 36.35                         | 392.10                          | np                   | np                   | 36.48                         | 391.97                          | np                   | np                   |
| DW-10-08M                | 428.50              | --                            | --                              | --                   | --                   | 37.70                         | 390.80                          | np                   | np                   | 36.58                         | 391.92                          | np                   | np                   | 36.60                         | 391.90                          | np                   | np                   |
| DW-10-08G                | 428.52              | --                            | --                              | --                   | --                   | 103.97                        | 324.55                          | np                   | np                   | 42.43                         | 386.09                          | np                   | np                   | 43.23                         | 385.29                          | np                   | np                   |
| DW-10-09M                | 439.22              | --                            | --                              | --                   | --                   | 57.26                         | 381.96                          | np                   | np                   | 53.93                         | 385.29                          | np                   | np                   | 53.70                         | 385.52                          | np                   | np                   |
| DW-10-09G                | 439.33              | --                            | --                              | --                   | --                   | 51.70                         | 387.63                          | np                   | np                   | 47.73                         | 391.60                          | np                   | np                   | 46.75                         | 392.58                          | np                   | np                   |
| DW-12-01R                | 401.87              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 10.16                         | 391.71                          | np                   | 0.1                  |
| DW-12-01M                | 401.87              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 10.10                         | 391.77                          | np                   | np                   |
| DW-12-01G                | 403.42              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 11.97                         | 391.45                          | np                   | np                   |
| DW-12-01Q                | 403.15              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 11.41                         | 391.74                          | np                   | np                   |
| DW-12-02I                | 423.54              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 18.57                         | 404.97                          | np                   | Trace                |
| DW-12-02M                | 422.82              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 31.31                         | 391.51                          | np                   | np                   |
| DW-12-03M                | 400.81              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 9.21                          | 391.60                          | np                   | np                   |
| DW-12-03G                | 400.81              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 9.19                          | 391.62                          | np                   | np                   |
| DW-12-06R                | 407.64              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 15.87                         | 391.77                          | np                   | np                   | 16.02                         | 391.62                          | np                   | np                   |
| DW-12-06M                | 407.64              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 16.01                         | 391.63                          | np                   | np                   | 15.88                         | 391.76                          | np                   | np                   |
| DW-12-07I                | 428.15              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 26.82                         | 401.33                          | np                   | np                   | 27.95                         | 400.20                          | np                   | np                   |
| DW-12-07R                | 428.15              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 33.01                         | 395.14                          | np                   | np                   | 33.58                         | 394.57                          | np                   | np                   |
| DW-12-08R                | 416.12              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 21.9                          | 394.22                          | Sheen                | np                   | 22.57                         | 393.55                          | np                   | np                   |
| DW-12-09R                | 415.22              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 23.31                         | 391.91                          | np                   | 2.75                 | 23.30                         | 391.92                          | np                   | 0.7                  |
| DW-12-09M                | 415.20              | --                            | --                              | --                   | --                   | --                            | --                              | --                   | --                   | 23.63                         | 391.57                          | np                   | np                   | 23.49                         | 391.71                          | np                   | np                   |

**Abbreviations**  
"--": Well not yet installed  
"nc": Not collected  
"np": Not present  
ft AMSL: feet above mean sea level (NYS Barge Canal Datum)  
ft bgs: feet below ground surface  
LNAPL: Light non-aqueous phase liquid  
DNAPL: Dense non-aqueous phase liquid

- Notes:**
- Top of PVC reference elevations measured from northern side of PVC riser.
  - September 2011 depth to water measurements completed on 13 and 14 September 2011.
  - December 2011 depth to water measurements completed on 2 and 5 December 2011.
  - February 2013 depth to water measurements completed on 4 February 2013.
  - December 2013 depth to water measurements completed on 2 December 2013.

TABLE VII  
Off-Site Groundwater Analytical Results  
East Station Former MGP  
Rochester, New York

| Location<br>Sample Date<br>Sample Type<br>Sample Name | NYSDEC TOGS 1.1.1<br>Class GA Water<br>Quality Standards | DW-12-01G<br>12/06/2013<br>N<br>4527-120613-1145 | DW-12-01M<br>12/06/2013<br>N<br>4527-120613-1345 | DW-12-01Q<br>12/05/2013<br>N<br>4552-120513-1600 | DW-12-02I<br>12/09/2013<br>N<br>4527-120913-1025 | DW-12-02I<br>12/09/2013<br>FD<br>4527-120913-0001 | DW-12-02M<br>12/09/2013<br>N<br>4552-120913-1100 | DW-12-03G<br>12/10/2013<br>N<br>4552-121013-1015 | DW-12-03M<br>12/10/2013<br>N<br>4527-121013-1045 | DW-12-06M<br>12/10/2013<br>N<br>4552-121013-1445 | DW-12-06R<br>12/10/2013<br>N<br>4527-121013-1425 |
|-------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|---------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Inorganic Compounds (mg/L)                            |                                                          |                                                  |                                                  |                                                  |                                                  |                                                   |                                                  |                                                  |                                                  |                                                  |                                                  |
| Aluminum                                              | -                                                        | 1.3                                              | 0.21                                             | 3.5                                              | 1.7                                              | 1.1                                               | 0.51                                             | 2.3                                              | 2.4                                              | 2.4                                              | 0.65                                             |
| Antimony                                              | 0.003                                                    | < 0.02                                           | < 0.02                                           | < 0.1                                            | < 0.02                                           | < 0.02                                            | < 0.02                                           | < 0.02                                           | < 0.02                                           | < 0.02                                           | < 0.02                                           |
| Arsenic                                               | 0.025                                                    | 0.17 <sup>[A]</sup>                              | 0.012                                            | < 0.25                                           | 0.043 <sup>[A]</sup>                             | 0.031 <sup>[A]</sup>                              | < 0.01                                           | 0.0073 J                                         | 0.023                                            | 0.035 <sup>[A]</sup>                             | 0.013                                            |
| Barium                                                | 1                                                        | 2.8 <sup>[A]</sup>                               | 1.7 <sup>[A]</sup>                               | 5.1 <sup>[A]</sup>                               | 0.27                                             | 0.37                                              | 0.23                                             | 1.1 <sup>[A]</sup>                               | 0.28                                             | 0.23                                             | 1.1 <sup>[A]</sup>                               |
| Beryllium                                             | 0.003                                                    | < 0.002                                          | < 0.002                                          | < 0.01                                           | < 0.002                                          | < 0.002                                           | < 0.002                                          | < 0.002                                          | < 0.002                                          | < 0.002                                          | < 0.002                                          |
| Cadmium                                               | 0.005                                                    | 0.0047                                           | < 0.001                                          | < 0.005                                          | < 0.001                                          | < 0.001                                           | < 0.001                                          | 0.00083 J                                        | < 0.001                                          | < 0.001                                          | < 0.001                                          |
| Calcium                                               | -                                                        | 5520                                             | 131                                              | 18700                                            | 50.5                                             | 49.7                                              | 378                                              | 1770                                             | 46.3                                             | 40.9                                             | 124                                              |
| Chromium                                              | 0.05                                                     | 0.017 J                                          | 0.0017 J                                         | 0.0075 J                                         | 0.0031 J                                         | 0.0022 J                                          | 0.29 <sup>[A]</sup>                              | 0.007                                            | 0.036                                            | 0.0063                                           | 0.003 J                                          |
| Cobalt                                                | -                                                        | < 0.02                                           | < 0.004                                          | < 0.1                                            | 0.0014 J                                         | 0.00099 J                                         | 0.00083 J                                        | 0.00087 J                                        | 0.00078 J                                        | 0.00076 J                                        | < 0.004                                          |
| Copper                                                | 0.2                                                      | 0.016 J                                          | 0.014                                            | 0.029 J                                          | 0.0066 J                                         | 0.0043 J                                          | 0.013                                            | 0.0094 J                                         | 0.0066 J                                         | 0.0058 J                                         | 0.0047 J                                         |
| Cyanide                                               | 0.2                                                      | 0.0055 J                                         | 0.21 J <sup>[A]</sup>                            | 0.05 J                                           | 1.9 J <sup>[A]</sup>                             | 3.4 J <sup>[A]</sup>                              | 0.87 <sup>[A]</sup>                              | 0.035                                            | 0.064                                            | 0.42 <sup>[A]</sup>                              | 0.18                                             |
| Iron                                                  | 0.3                                                      | 1.6 <sup>[A]</sup>                               | 1.3 <sup>[A]</sup>                               | 76 <sup>[A]</sup>                                | 2.8 <sup>[A]</sup>                               | 3.3 <sup>[A]</sup>                                | 0.65 <sup>[A]</sup>                              | 4.9 <sup>[A]</sup>                               | 1.1 <sup>[A]</sup>                               | 2.1 <sup>[A]</sup>                               | 4.3 <sup>[A]</sup>                               |
| Lead                                                  | 0.025                                                    | < 0.025                                          | < 0.005                                          | < 0.13                                           | 0.0033 J                                         | 0.0032 J                                          | 0.0036 J                                         | 0.0047 J                                         | 0.0049 J                                         | 0.0048 J                                         | 0.0038 J                                         |
| Magnesium                                             | 35                                                       | 583 <sup>[A]</sup>                               | 48.7 <sup>[A]</sup>                              | 1930 <sup>[A]</sup>                              | 44.2 <sup>[A]</sup>                              | 48.3 <sup>[A]</sup>                               | 0.2                                              | 230 <sup>[A]</sup>                               | 2.3                                              | 17                                               | 74.4 <sup>[A]</sup>                              |
| Manganese                                             | 0.3                                                      | 1.9 <sup>[A]</sup>                               | 0.12                                             | 18.8 <sup>[A]</sup>                              | 0.087                                            | 0.1                                               | 0.017                                            | 0.45 <sup>[A]</sup>                              | 0.021                                            | 0.15                                             | 0.11                                             |
| Mercury                                               | 0.0007                                                   | < 0.0002                                         | < 0.0002                                         | < 0.0002                                         | < 0.0002 J                                       | < 0.0002 J                                        | < 0.0002 J                                       | < 0.0002 J                                       | < 0.0002 J                                       | < 0.0002 J                                       | < 0.0002 J                                       |
| Nickel                                                | 0.1                                                      | 0.01 J                                           | 0.0021 J                                         | < 0.25                                           | 0.0059 J                                         | 0.0041 J                                          | 0.0013 J                                         | 0.0033 J                                         | 0.003 J                                          | 0.0031 J                                         | 0.0027 J                                         |
| Potassium                                             | -                                                        | 491                                              | 30                                               | 979                                              | 28.4                                             | 31.5                                              | 279                                              | 173                                              | 50.4                                             | 29.2                                             | 10.3                                             |
| Selenium                                              | 0.01                                                     | 0.15 <sup>[A]</sup>                              | < 0.015                                          | < 0.075                                          | < 0.015                                          | < 0.015                                           | 0.021 <sup>[A]</sup>                             | < 0.015                                          | < 0.015                                          | < 0.015                                          | < 0.015                                          |
| Silver                                                | 0.05                                                     | < 0.015                                          | < 0.003                                          | < 0.015                                          | < 0.003                                          | < 0.003                                           | < 0.003                                          | < 0.003                                          | < 0.003                                          | < 0.003                                          | < 0.003                                          |
| Sodium                                                | 20                                                       | 22200 <sup>[A]</sup>                             | 318 <sup>[A]</sup>                               | 66500 <sup>[A]</sup>                             | 641 <sup>[A]</sup>                               | 664 <sup>[A]</sup>                                | 946 <sup>[A]</sup>                               | 6190 <sup>[A]</sup>                              | 729 <sup>[A]</sup>                               | 765 <sup>[A]</sup>                               | 486 <sup>[A]</sup>                               |
| Thallium                                              | 0.0005                                                   | < 0.1                                            | < 0.02                                           | < 0.5                                            | < 0.02                                           | < 0.02                                            | < 0.02                                           | < 0.02                                           | < 0.02                                           | < 0.02                                           | < 0.02                                           |
| Vanadium                                              | -                                                        | < 0.025                                          | < 0.005                                          | < 0.025                                          | 0.0029 J                                         | 0.0016 J                                          | 0.013                                            | 0.0071                                           | 0.038                                            | < 0.005                                          | < 0.005                                          |
| Zinc                                                  | 2                                                        | 0.013 J                                          | 0.0088 J                                         | 0.14                                             | < 0.017                                          | < 0.018                                           | < 0.01                                           | < 0.016                                          | < 0.01                                           | < 0.012                                          | < 0.01                                           |
| Semi-Volatile Organic Compounds (ug/L)                |                                                          |                                                  |                                                  |                                                  |                                                  |                                                   |                                                  |                                                  |                                                  |                                                  |                                                  |
| 2,2'-oxybis(1-Chloropropane)                          | -                                                        | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| 2,4,5-Trichlorophenol                                 | -                                                        | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| 2,4,6-Trichlorophenol                                 | -                                                        | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| 2,4-Dichlorophenol                                    | 5                                                        | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| 2,4-Dimethylphenol                                    | 50                                                       | 74 J <sup>[A]</sup>                              | 30                                               | 4.9                                              | < 270                                            | < 510                                             | < 23                                             | 110 J <sup>[A]</sup>                             | < 260                                            | 120 J <sup>[A]</sup>                             | < 2500                                           |
| 2,4-Dinitrophenol                                     | 10                                                       | < 9.6                                            | < 10                                             | < 8                                              | < 530                                            | < 1000                                            | < 46                                             | < 480                                            | < 510                                            | < 500                                            | < 5000                                           |
| 2,4-Dinitrotoluene                                    | 5                                                        | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| 2,6-Dinitrotoluene                                    | 5                                                        | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| 2-Chloronaphthalene                                   | 10                                                       | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| 2-Chlorophenol                                        | -                                                        | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| 2-Methylnaphthalene                                   | -                                                        | 34 J                                             | < 1300 J                                         | 27 J                                             | < 270 J                                          | < 510 J                                           | < 23 J                                           | < 240 J                                          | < 260 J                                          | 380 J                                            | < 2500 J                                         |
| 2-Methylphenol                                        | -                                                        | 52                                               | 7.1                                              | 2.5 J                                            | < 270                                            | < 510                                             | < 23                                             | 33 J                                             | < 260                                            | 66 J                                             | < 2500                                           |
| 2-Nitroaniline                                        | 5                                                        | < 9.6                                            | < 10                                             | < 8                                              | < 530                                            | < 1000                                            | < 46                                             | < 480                                            | < 510                                            | < 500                                            | < 5000                                           |
| 2-Nitrophenol                                         | -                                                        | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| 3,3'-Dichlorobenzidine                                | 5                                                        | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| 3-Nitroaniline                                        | 5                                                        | < 9.6                                            | < 10                                             | < 8                                              | < 530                                            | < 1000                                            | < 46                                             | < 480                                            | < 510                                            | < 500                                            | < 5000                                           |
| 4,6-Dinitro-2-methylphenol                            | -                                                        | < 9.6                                            | < 10                                             | < 8                                              | < 530                                            | < 1000                                            | < 46                                             | < 480                                            | < 510                                            | < 500                                            | < 5000                                           |
| 4-Bromophenyl phenyl ether                            | -                                                        | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| 4-Chloro-3-methylphenol                               | -                                                        | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| 4-Chloroaniline                                       | 5                                                        | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| 4-Chlorophenyl phenyl ether                           | -                                                        | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| 4-Methylphenol                                        | -                                                        | 46                                               | 4.9 J                                            | 3.2 J                                            | < 530                                            | < 1000                                            | < 46                                             | 21 J                                             | < 510                                            | < 500                                            | < 5000                                           |
| 4-Nitroaniline                                        | 5                                                        | < 9.6                                            | < 10                                             | < 8                                              | < 530                                            | < 1000                                            | < 46                                             | < 480                                            | < 510                                            | < 500                                            | < 5000                                           |
| 4-Nitrophenol                                         | -                                                        | < 9.6                                            | < 10                                             | < 8                                              | < 530                                            | < 1000                                            | < 46                                             | < 480                                            | < 510                                            | < 500                                            | < 5000                                           |
| Acenaphthene                                          | 20                                                       | 1.2 J                                            | 47 <sup>[A]</sup>                                | 1 J                                              | 52 J <sup>[A]</sup>                              | < 510                                             | < 23                                             | < 240                                            | < 260                                            | 62 J <sup>[A]</sup>                              | < 2500                                           |
| Acenaphthylene                                        | -                                                        | 30                                               | < 5.1                                            | 15                                               | 38 J                                             | 69 J                                              | 5.1 J                                            | 94 J                                             | 100 J                                            | 78 J                                             | < 2500                                           |
| Acetophenone                                          | -                                                        | 12                                               | < 5.1                                            | 2.4 J                                            | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Anthracene                                            | 50                                                       | 1.3 J                                            | 1.6 J                                            | 2.3 J                                            | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Atrazine                                              | 7.5                                                      | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Benzaldehyde                                          | -                                                        | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |

TABLE VII  
Off-Site Groundwater Analytical Results  
East Station Former MGP  
Rochester, New York

| Location<br>Sample Date<br>Sample Type<br>Sample Name | NYSDEC TOGS 1.1.1<br>Class GA Water<br>Quality Standards | DW-12-01G<br>12/06/2013<br>N<br>4527-120613-1145 | DW-12-01M<br>12/06/2013<br>N<br>4527-120613-1345 | DW-12-01Q<br>12/05/2013<br>N<br>4552-120513-1600 | DW-12-02I<br>12/09/2013<br>N<br>4527-120913-1025 | DW-12-02I<br>12/09/2013<br>FD<br>4527-120913-0001 | DW-12-02M<br>12/09/2013<br>N<br>4552-120913-1100 | DW-12-03G<br>12/10/2013<br>N<br>4552-121013-1015 | DW-12-03M<br>12/10/2013<br>N<br>4527-121013-1045 | DW-12-06M<br>12/10/2013<br>N<br>4552-121013-1445 | DW-12-06R<br>12/10/2013<br>N<br>4527-121013-1425 |
|-------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|---------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Benzo(a)anthracene                                    | 0.002                                                    | 0.49 J <sup>[A]</sup>                            | < 5.1                                            | 1.2 J <sup>[A]</sup>                             | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Benzo(a)pyrene                                        | 0                                                        | < 4.8                                            | < 5.1                                            | 0.83 J                                           | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Benzo(b)fluoranthene                                  | 0.002                                                    | < 4.8                                            | < 5.1                                            | 0.66 J <sup>[A]</sup>                            | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Benzo(g,h,i)perylene                                  | -                                                        | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Benzo(k)fluoranthene                                  | 0.002                                                    | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Biphenyl                                              | 5                                                        | 3.7 J                                            | 13 <sup>[A]</sup>                                | 2.4 J                                            | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| bis(2-Chloroethoxy)methane                            | 5                                                        | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| bis(2-Chloroethyl)ether                               | 1                                                        | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| bis(2-Ethylhexyl)phthalate                            | 5                                                        | 3.7 J                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Butyl benzylphthalate                                 | 50                                                       | < 4.8                                            | 1 J                                              | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Caprolactam                                           | -                                                        | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Carbazole                                             | -                                                        | 5.3                                              | 8.8                                              | 0.91 J                                           | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Chrysene                                              | 0.002                                                    | 0.42 J <sup>[A]</sup>                            | < 5.1                                            | 1 J <sup>[A]</sup>                               | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Dibenz(a,h)anthracene                                 | -                                                        | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Dibenzofuran                                          | -                                                        | 0.67 J                                           | 1.8 J                                            | 0.52 J                                           | < 530                                            | < 1000                                            | < 46                                             | < 480                                            | < 510                                            | < 500                                            | < 5000                                           |
| Diethyl phthalate                                     | 50                                                       | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Dimethyl phthalate                                    | 50                                                       | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Di-n-butylphthalate                                   | 50                                                       | 0.35 J                                           | 0.41 J                                           | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Di-n-octyl phthalate                                  | 50                                                       | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Fluoranthene                                          | 50                                                       | 0.84 J                                           | 0.61 J                                           | 2 J                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Fluorene                                              | 50                                                       | 3.3 J                                            | 10                                               | 3.7 J                                            | 38 J                                             | < 510                                             | < 23                                             | < 240                                            | < 260                                            | 25 J                                             | < 2500                                           |
| Hexachlorobenzene                                     | 0.04                                                     | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Hexachlorobutadiene                                   | 0.5                                                      | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Hexachlorocyclopentadiene                             | 5                                                        | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Hexachloroethane                                      | 5                                                        | < 4.8                                            | < 5.1                                            | < 4                                              | < 270 J                                          | < 510 J                                           | < 23 J                                           | < 240 J                                          | < 260 J                                          | < 250 J                                          | < 2500 J                                         |
| Indeno(1,2,3-cd)pyrene                                | 0.002                                                    | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Isophorone                                            | 50                                                       | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Naphthalene                                           | 10                                                       | 1200 <sup>[A]</sup>                              | 4800 <sup>[A]</sup>                              | 370 <sup>[A]</sup>                               | 5200 <sup>[A]</sup>                              | 5800 <sup>[A]</sup>                               | 120 <sup>[A]</sup>                               | 3800 <sup>[A]</sup>                              | 4000 <sup>[A]</sup>                              | 5400 <sup>[A]</sup>                              | 12000 <sup>[A]</sup>                             |
| Nitrobenzene                                          | 0.4                                                      | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| N-Nitrosodi-n-propylamine                             | -                                                        | < 4.8                                            | < 5.1                                            | < 4                                              | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| N-Nitrosodiphenylamine                                | 50                                                       | < 4.8 J                                          | < 5.1 J                                          | < 4 J                                            | < 270 J                                          | < 510 J                                           | < 23 J                                           | < 240 J                                          | < 260 J                                          | < 250 J                                          | < 2500 J                                         |
| Pentachlorophenol                                     | 1                                                        | < 9.6 J                                          | < 10 J                                           | < 8 J                                            | < 530                                            | < 1000                                            | < 46                                             | < 480                                            | < 510                                            | < 500                                            | < 5000                                           |
| Phenanthrene                                          | 50                                                       | 4.8                                              | 9                                                | 9                                                | 45 J                                             | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Phenol                                                | 1                                                        | 21 <sup>[A]</sup>                                | 17 <sup>[A]</sup>                                | 2 J <sup>[A]</sup>                               | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | 36 J <sup>[A]</sup>                              | < 2500                                           |
| Pyrene                                                | 50                                                       | 1.1 J                                            | 0.78 J                                           | 3.1 J                                            | < 270                                            | < 510                                             | < 23                                             | < 240                                            | < 260                                            | < 250                                            | < 2500                                           |
| Volatile Organic Compounds (ug/L)                     |                                                          |                                                  |                                                  |                                                  |                                                  |                                                   |                                                  |                                                  |                                                  |                                                  |                                                  |
| 1,1,1-Trichloroethane                                 | 5                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| 1,1,2,2-Tetrachloroethane                             | 5                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| 1,1,2-Trichloroethane                                 | 1                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| 1,1-Dichloroethane                                    | 5                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| 1,1-Dichloroethene                                    | 5                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| 1,2,4-Trichlorobenzene                                | 5                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| 1,2-Dibromo-3-chloropropane (DBCP)                    | 0.04                                                     | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| 1,2-Dibromoethane (Ethylene Dibromide)                | 0.0006                                                   | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| 1,2-Dichlorobenzene                                   | 3                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| 1,2-Dichloroethane                                    | 0.6                                                      | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| 1,2-Dichloropropane                                   | 1                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| 1,3-Dichlorobenzene                                   | 3                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| 1,4-Dichlorobenzene                                   | 3                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| 2-Butanone (Methyl Ethyl Ketone)                      | 50                                                       | < 1000                                           | < 500                                            | 6.1 J                                            | < 20                                             | < 20                                              | 1.9 J                                            | < 1000                                           | < 400                                            | < 800                                            | < 200                                            |
| 2-Hexanone                                            | 50                                                       | < 500                                            | < 250                                            | < 5                                              | < 10                                             | < 10                                              | < 5                                              | < 500                                            | < 200                                            | < 400                                            | < 100                                            |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)         | -                                                        | < 500                                            | < 250                                            | < 5                                              | < 10                                             | < 10                                              | < 5                                              | < 500                                            | < 200                                            | < 400                                            | < 100                                            |
| Acetone                                               | 50                                                       | < 1000                                           | < 500                                            | 110 <sup>[A]</sup>                               | < 20                                             | 6.3 J                                             | 66 <sup>[A]</sup>                                | < 1000                                           | < 400                                            | < 800                                            | < 200                                            |
| Benzene                                               | 1                                                        | 16000 J <sup>[A]</sup>                           | 8500 J <sup>[A]</sup>                            | 940 J <sup>[A]</sup>                             | 2100 <sup>[A]</sup>                              | 1900 <sup>[A]</sup>                               | 680 <sup>[A]</sup>                               | 31000 <sup>[A]</sup>                             | 19000 <sup>[A]</sup>                             | 19000 <sup>[A]</sup>                             | 5900 <sup>[A]</sup>                              |
| Bromodichloromethane                                  | 50                                                       | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| Bromoform                                             | 50                                                       | < 100 J                                          | < 50 J                                           | < 1 J                                            | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |

TABLE VII  
Off-Site Groundwater Analytical Results  
East Station Former MGP  
Rochester, New York

| Location<br>Sample Date<br>Sample Type<br>Sample Name | NYSDEC TOGS 1.1.1<br>Class GA Water<br>Quality Standards | DW-12-01G<br>12/06/2013<br>N<br>4527-120613-1145 | DW-12-01M<br>12/06/2013<br>N<br>4527-120613-1345 | DW-12-01Q<br>12/05/2013<br>N<br>4552-120513-1600 | DW-12-02I<br>12/09/2013<br>N<br>4527-120913-1025 | DW-12-02I<br>12/09/2013<br>FD<br>4527-120913-0001 | DW-12-02M<br>12/09/2013<br>N<br>4552-120913-1100 | DW-12-03G<br>12/10/2013<br>N<br>4552-121013-1015 | DW-12-03M<br>12/10/2013<br>N<br>4527-121013-1045 | DW-12-06M<br>12/10/2013<br>N<br>4552-121013-1445 | DW-12-06R<br>12/10/2013<br>N<br>4527-121013-1425 |
|-------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|---------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Bromomethane (Methyl Bromide)                         | 5                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| Carbon disulfide                                      | 60                                                       | < 100                                            | < 50                                             | < 1                                              | 6.9                                              | 1.8 J                                             | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| Carbon tetrachloride                                  | 5                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| Chlorobenzene                                         | 5                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| Chloroethane                                          | 5                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| Chloroform (Trichloromethane)                         | 7                                                        | < 100                                            | < 50                                             | 1.4                                              | 2.5                                              | 2.2                                               | 6.2                                              | < 100                                            | 17 J <sup>[A]</sup>                              | < 80                                             | < 20                                             |
| Chloromethane (Methyl Chloride)                       | 5                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| cis-1,2-Dichloroethene                                | 5                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| cis-1,3-Dichloropropene                               | 0.4                                                      | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| Cyclohexane                                           | -                                                        | < 100                                            | < 50                                             | < 1                                              | 38 J                                             | 22 J                                              | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| Dibromochloromethane                                  | 50                                                       | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| Dichlorodifluoromethane (CFC-12)                      | 5                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| Ethylbenzene                                          | 5                                                        | 93 J <sup>[A]</sup>                              | 2400 <sup>[A]</sup>                              | 15 <sup>[A]</sup>                                | 620 J <sup>[A]</sup>                             | 410 J <sup>[A]</sup>                              | 8.1 <sup>[A]</sup>                               | 460 <sup>[A]</sup>                               | 860 <sup>[A]</sup>                               | 1100 <sup>[A]</sup>                              | 3500 <sup>[A]</sup>                              |
| Isopropylbenzene                                      | 5                                                        | < 100                                            | 50 <sup>[A]</sup>                                | < 1                                              | 28 J <sup>[A]</sup>                              | 16 J <sup>[A]</sup>                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | 100 <sup>[A]</sup>                               |
| Methyl acetate                                        | -                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| Methyl cyclohexane                                    | -                                                        | < 100                                            | < 50                                             | < 1                                              | 50 J                                             | 20 J                                              | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| Methyl Tert Butyl Ether                               | -                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| Methylene chloride                                    | 5                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| Styrene                                               | 5                                                        | 820 <sup>[A]</sup>                               | < 50                                             | 93 <sup>[A]</sup>                                | < 2                                              | < 2                                               | 37 <sup>[A]</sup>                                | 3400 <sup>[A]</sup>                              | 2900 <sup>[A]</sup>                              | < 80                                             | < 20                                             |
| Tetrachloroethene                                     | 5                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| Toluene                                               | 5                                                        | 4600 J <sup>[A]</sup>                            | 740 J <sup>[A]</sup>                             | 410 J <sup>[A]</sup>                             | 260 J <sup>[A]</sup>                             | 170 J <sup>[A]</sup>                              | 210 <sup>[A]</sup>                               | 14000 <sup>[A]</sup>                             | 9200 <sup>[A]</sup>                              | 5700 <sup>[A]</sup>                              | 180 <sup>[A]</sup>                               |
| trans-1,2-Dichloroethene                              | 5                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| trans-1,3-Dichloropropene                             | 0.4                                                      | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| Trichloroethene                                       | 5                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| Trichlorofluoromethane (CFC-11)                       | 5                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| Trifluorotrichloroethane (Freon 113)                  | 5                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| Vinyl chloride                                        | 2                                                        | < 100                                            | < 50                                             | < 1                                              | < 2                                              | < 2                                               | < 1                                              | < 100                                            | < 40                                             | < 80                                             | < 20                                             |
| Xylene (total)                                        | 5                                                        | 620 <sup>[A]</sup>                               | 2500 <sup>[A]</sup>                              | 100 <sup>[A]</sup>                               | 1300 J <sup>[A]</sup>                            | 800 J <sup>[A]</sup>                              | 42 <sup>[A]</sup>                                | 2900 <sup>[A]</sup>                              | 2900 <sup>[A]</sup>                              | 2200 <sup>[A]</sup>                              | 3600 <sup>[A]</sup>                              |

- Notes:
- Results were compared to the following criteria:  
[A]: Indicates result is greater than TOGS Water Quality Standards, Table 1, Class GA (June 1998).
  - <: Result is below indicated reporting limit.  
J: Estimated result.
  - Results in **bold** exceed criteria.
  - Sample type codes: N - Normal, FD - Field Duplicate

TABLE VII  
Off-Site Groundwater Analytical Results  
East Station Former MGP  
Rochester, New York

| Location<br>Sample Date<br>Sample Type<br>Sample Name | NYSDEC TOGS 1.1.1<br>Class GA Water<br>Quality Standards | DW-12-07I<br>12/11/2013<br>N<br>4527-121113-1310 | DW-12-07R<br>12/11/2013<br>N<br>4552-121113-1310 | DW-12-08R<br>12/11/2013<br>N<br>4552-121113-1040 | DW-12-09M<br>12/10/2013<br>N<br>4527-121013-1650 | SW-12-01<br>12/09/2013<br>N<br>4527-120913-1500 | SW-12-04<br>12/09/2013<br>N<br>4552-120913-1500 | SW-12-05<br>12/09/2013<br>N<br>4552-120913-1300 | SW-12-06<br>12/09/2013<br>N<br>4527-120913-1300 | SW-12-10<br>12/06/2013<br>N<br>4552-120613-1200 | SW-12-13<br>12/06/2013<br>N<br>4527-120613-1530 |
|-------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Inorganic Compounds (mg/L)                            |                                                          |                                                  |                                                  |                                                  |                                                  |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| Aluminum                                              | -                                                        | < 0.2                                            | 0.35                                             | 1.4                                              | 0.24                                             | 2.5                                             | 0.35                                            | 0.16 J                                          | 0.78                                            | 0.89                                            | 0.57                                            |
| Antimony                                              | 0.003                                                    | < 0.02                                           | < 0.02                                           | < 0.02                                           | < 0.02                                           | < 0.02                                          | < 0.02                                          | < 0.02                                          | < 0.02                                          | < 0.02                                          | < 0.02                                          |
| Arsenic                                               | 0.025                                                    | < 0.01                                           | < 0.01                                           | 0.0059 J                                         | 0.012                                            | 0.019                                           | 0.045 <sup>[A]</sup>                            | 0.27 <sup>[A]</sup>                             | 0.013                                           | 0.01                                            | 0.0092 J                                        |
| Barium                                                | 1                                                        | 0.067                                            | 0.013                                            | 3.1 <sup>[A]</sup>                               | 0.43                                             | 0.22                                            | 0.24                                            | 0.15                                            | 0.19                                            | 0.093                                           | 0.23                                            |
| Beryllium                                             | 0.003                                                    | < 0.002                                          | < 0.002                                          | < 0.002                                          | < 0.002                                          | < 0.002                                         | < 0.002                                         | < 0.002                                         | < 0.002                                         | < 0.002                                         | < 0.002                                         |
| Cadmium                                               | 0.005                                                    | 0.00052 J                                        | < 0.001                                          | < 0.001                                          | < 0.001                                          | < 0.001                                         | < 0.001                                         | < 0.001                                         | < 0.001                                         | 0.0011                                          | < 0.001                                         |
| Calcium                                               | -                                                        | 543                                              | < 9.9                                            | 175                                              | 257                                              | 156                                             | 153                                             | 157                                             | 284                                             | 216                                             | 131                                             |
| Chromium                                              | 0.05                                                     | 0.002 J                                          | 0.0012 J                                         | 0.0043                                           | < 0.004                                          | 0.0067                                          | 0.0022 J                                        | 0.0047                                          | 0.0027 J                                        | 0.0048                                          | 0.0048                                          |
| Cobalt                                                | -                                                        | 0.00067 J                                        | < 0.004                                          | 0.00069 J                                        | < 0.004                                          | 0.0024 J                                        | 0.00068 J                                       | 0.00073 J                                       | < 0.004                                         | 0.0017 J                                        | 0.0012 J                                        |
| Copper                                                | 0.2                                                      | 0.0021 J                                         | 0.0045 J                                         | 0.0043 J                                         | 0.0037 J                                         | 0.0097 J                                        | 0.0023 J                                        | 0.0021 J                                        | 0.0042 J                                        | 0.0083 J                                        | 0.0027 J                                        |
| Cyanide                                               | 0.2                                                      | 0.74 <sup>[A]</sup>                              | 0.076                                            | 0.062                                            | 0.12                                             | 0.32 <sup>[A]</sup>                             | 0.47 <sup>[A]</sup>                             | 0.98 <sup>[A]</sup>                             | 0.29 <sup>[A]</sup>                             | 0.14 J                                          | 0.41 <sup>[A]</sup>                             |
| Iron                                                  | 0.3                                                      | 0.67 <sup>[A]</sup>                              | 0.79 <sup>[A]</sup>                              | 3.5 <sup>[A]</sup>                               | 4 <sup>[A]</sup>                                 | 12.7 <sup>[A]</sup>                             | 6.6 <sup>[A]</sup>                              | 3.8 <sup>[A]</sup>                              | 5.1 <sup>[A]</sup>                              | 24.6 <sup>[A]</sup>                             | 6.2 <sup>[A]</sup>                              |
| Lead                                                  | 0.025                                                    | 0.0041 J                                         | < 0.005                                          | < 0.005                                          | < 0.005                                          | 0.0085                                          | < 0.005                                         | < 0.005                                         | 0.0049 J                                        | < 0.005                                         | < 0.005                                         |
| Magnesium                                             | 35                                                       | 178 <sup>[A]</sup>                               | < 1.8                                            | 89.3 <sup>[A]</sup>                              | 111 <sup>[A]</sup>                               | 73 <sup>[A]</sup>                               | 64 <sup>[A]</sup>                               | 72 <sup>[A]</sup>                               | 102 <sup>[A]</sup>                              | 55.2 <sup>[A]</sup>                             | 76.1 <sup>[A]</sup>                             |
| Manganese                                             | 0.3                                                      | 0.058                                            | 0.015                                            | 0.099                                            | 0.13                                             | 0.93 <sup>[A]</sup>                             | 2.4 <sup>[A]</sup>                              | 0.64 <sup>[A]</sup>                             | 0.67 <sup>[A]</sup>                             | 3.7 <sup>[A]</sup>                              | 0.68 <sup>[A]</sup>                             |
| Mercury                                               | 0.0007                                                   | < 0.0002 J                                       | < 0.0002 J                                       | < 0.0002 J                                       | < 0.0002 J                                       | < 0.0002 J                                      | < 0.0002 J                                      | < 0.0002 J                                      | < 0.0002 J                                      | < 0.0002                                        | < 0.0002 J                                      |
| Nickel                                                | 0.1                                                      | < 0.01                                           | 0.0015 J                                         | 0.0061 J                                         | 0.0021 J                                         | 0.014                                           | 0.0018 J                                        | 0.0025 J                                        | 0.0016 J                                        | 0.0093 J                                        | 0.0039 J                                        |
| Potassium                                             | -                                                        | 50.2                                             | 18.7                                             | 24.6                                             | 15.6                                             | 11                                              | 13.2                                            | 14                                              | 8.6                                             |                                                 |                                                 |
| Selenium                                              | 0.01                                                     | < 0.015                                          | < 0.015                                          | < 0.015                                          | < 0.015                                          | < 0.015                                         | < 0.015                                         | < 0.015                                         | < 0.015                                         | < 0.015                                         | < 0.015                                         |
| Silver                                                | 0.05                                                     | < 0.003                                          | < 0.003                                          | < 0.003                                          | < 0.003                                          | < 0.003                                         | < 0.003                                         | < 0.003                                         | < 0.003                                         | < 0.003                                         | < 0.003                                         |
| Sodium                                                | 20                                                       | 259 <sup>[A]</sup>                               | 810 <sup>[A]</sup>                               | 688 <sup>[A]</sup>                               | 448 <sup>[A]</sup>                               | 1020 <sup>[A]</sup>                             | 725 <sup>[A]</sup>                              | 549 <sup>[A]</sup>                              | 698 <sup>[A]</sup>                              | 35.7 <sup>[A]</sup>                             | 390 <sup>[A]</sup>                              |
| Thallium                                              | 0.0005                                                   | < 0.02                                           | < 0.02                                           | < 0.02                                           | < 0.02                                           | < 0.02                                          | < 0.02                                          | < 0.02                                          | < 0.02                                          | < 0.02                                          | < 0.02                                          |
| Vanadium                                              | -                                                        | < 0.005                                          | 0.0019 J                                         | 0.002 J                                          | < 0.005                                          | 0.0044 J                                        | < 0.005                                         | 0.0024 J                                        | < 0.005                                         | 0.0022 J                                        | < 0.005                                         |
| Zinc                                                  | 2                                                        | < 0.01                                           | < 0.01                                           | < 0.01                                           | < 0.01                                           | < 0.017                                         | < 0.01                                          | < 0.01                                          | < 0.01                                          | 0.12                                            | < 0.01                                          |
| Semi-Volatile Organic Compounds (ug/L)                |                                                          |                                                  |                                                  |                                                  |                                                  |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 2,2'-oxybis(1-Chloropropane)                          | -                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| 2,4,5-Trichlorophenol                                 | -                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7                                           | < 4.9                                           |
| 2,4,6-Trichlorophenol                                 | -                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7                                           | < 4.9                                           |
| 2,4-Dichlorophenol                                    | 5                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7                                           | < 4.9                                           |
| 2,4-Dimethylphenol                                    | 50                                                       | 23 J                                             | 90 J <sup>[A]</sup>                              | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7                                           | < 4.9                                           |
| 2,4-Dinitrophenol                                     | 10                                                       | < 200                                            | < 500                                            | < 490                                            | < 2000                                           | < 11                                            | < 47                                            | < 190                                           | < 10                                            | < 9.5                                           | < 9.9                                           |
| 2,4-Dinitrotoluene                                    | 5                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| 2,6-Dinitrotoluene                                    | 5                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| 2-Chloronaphthalene                                   | 10                                                       | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| 2-Chlorophenol                                        | -                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7                                           | < 4.9                                           |
| 2-Methylnaphthalene                                   | -                                                        | < 99 J                                           | < 250 J                                          | < 250 J                                          | < 1000 J                                         | < 5.3 J                                         | < 23 J                                          | < 96 J                                          | 9.5 J                                           | < 4.7 J                                         | < 4.9 J                                         |
| 2-Methylphenol                                        | -                                                        | < 99                                             | 120 J                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7                                           | < 4.9                                           |
| 2-Nitroaniline                                        | 5                                                        | < 200                                            | < 500                                            | < 490                                            | < 2000                                           | < 11                                            | < 47                                            | < 190                                           | < 10                                            | < 9.5 J                                         | < 9.9                                           |
| 2-Nitrophenol                                         | -                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7                                           | < 4.9                                           |
| 3,3'-Dichlorobenzidine                                | 5                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| 3-Nitroaniline                                        | 5                                                        | < 200                                            | < 500                                            | < 490                                            | < 2000                                           | < 11                                            | < 47                                            | < 190                                           | < 10                                            | < 9.5 J                                         | < 9.9                                           |
| 4,6-Dinitro-2-methylphenol                            | -                                                        | < 200                                            | < 500                                            | < 490                                            | < 2000                                           | < 11                                            | < 47                                            | < 190                                           | < 10                                            | < 9.5                                           | < 9.9                                           |
| 4-Bromophenyl phenyl ether                            | -                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| 4-Chloro-3-methylphenol                               | -                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7                                           | < 4.9                                           |
| 4-Chloroaniline                                       | 5                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| 4-Chlorophenyl phenyl ether                           | -                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| 4-Methylphenol                                        | -                                                        | < 200                                            | 32 J                                             | < 490                                            | < 2000                                           | < 11                                            | < 47                                            | < 190                                           | < 10                                            | < 9.5                                           | < 9.9                                           |
| 4-Nitroaniline                                        | 5                                                        | < 200                                            | < 500                                            | < 490                                            | < 2000                                           | < 11                                            | < 47                                            | < 190                                           | < 10                                            | < 9.5 J                                         | < 9.9                                           |
| 4-Nitrophenol                                         | -                                                        | < 200                                            | < 500                                            | < 490                                            | < 2000                                           | < 11                                            | < 47                                            | < 190                                           | < 10                                            | < 9.5                                           | < 9.9                                           |
| Acenaphthene                                          | 20                                                       | 150 <sup>[A]</sup>                               | < 250                                            | 69 J <sup>[A]</sup>                              | < 1000                                           | < 5.3                                           | 81 <sup>[A]</sup>                               | 100 <sup>[A]</sup>                              | 4.8 J                                           | 0.75 J                                          | 7.8                                             |
| Acenaphthylene                                        | -                                                        | 32 J                                             | 66 J                                             | < 250                                            | < 1000                                           | < 5.3                                           | 2.8 J                                           | < 96                                            | 7.5                                             | < 4.7 J                                         | < 4.9                                           |
| Acetophenone                                          | -                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| Anthracene                                            | 50                                                       | 9.2 J                                            | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | 3.9 J                                           | < 4.7 J                                         | < 4.9                                           |
| Atrazine                                              | 7.5                                                      | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| Benzaldehyde                                          | -                                                        | 22 J                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |

TABLE VII  
Off-Site Groundwater Analytical Results  
East Station Former MGP  
Rochester, New York

| Location<br>Sample Date<br>Sample Type<br>Sample Name | NYSDEC TOGS 1.1.1<br>Class GA Water<br>Quality Standards | DW-12-07I<br>12/11/2013<br>N<br>4527-121113-1310 | DW-12-07R<br>12/11/2013<br>N<br>4552-121113-1310 | DW-12-08R<br>12/11/2013<br>N<br>4552-121113-1040 | DW-12-09M<br>12/10/2013<br>N<br>4527-121013-1650 | SW-12-01<br>12/09/2013<br>N<br>4527-120913-1500 | SW-12-04<br>12/09/2013<br>N<br>4552-120913-1500 | SW-12-05<br>12/09/2013<br>N<br>4552-120913-1300 | SW-12-06<br>12/09/2013<br>N<br>4527-120913-1300 | SW-12-10<br>12/06/2013<br>N<br>4552-120613-1200 | SW-12-13<br>12/06/2013<br>N<br>4527-120613-1530 |
|-------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Benzo(a)anthracene                                    | 0.002                                                    | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | 1.3 J <sup>[A]</sup>                            | < 4.7 J                                         | < 4.9                                           |
| Benzo(a)pyrene                                        | 0                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | 0.78 J                                          | < 4.7 J                                         | < 4.9                                           |
| Benzo(b)fluoranthene                                  | 0.002                                                    | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| Benzo(g,h,i)perylene                                  | -                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| Benzo(k)fluoranthene                                  | 0.002                                                    | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| Biphenyl                                              | 5                                                        | 46 J <sup>[A]</sup>                              | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | 2 J                                             | < 4.7                                           | < 4.9                                           |
| bis(2-Chloroethoxy)methane                            | 5                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| bis(2-Chloroethyl)ether                               | 1                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| bis(2-Ethylhexyl)phthalate                            | 5                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| Butyl benzylphthalate                                 | 50                                                       | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| Caprolactam                                           | -                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| Carbazole                                             | -                                                        | 76 J                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| Chrysene                                              | 0.002                                                    | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | 1.2 J <sup>[A]</sup>                            | < 4.7 J                                         | < 4.9                                           |
| Dibenz(a,h)anthracene                                 | -                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| Dibenzofuran                                          | -                                                        | 14 J                                             | < 500                                            | < 490                                            | < 2000                                           | < 11                                            | < 47                                            | < 190                                           | 0.86 J                                          | 0.67 J                                          | < 9.9                                           |
| Diethyl phthalate                                     | 50                                                       | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| Dimethyl phthalate                                    | 50                                                       | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| Di-n-butylphthalate                                   | 50                                                       | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | 0.33 J                                          | < 4.7 J                                         | < 4.9                                           |
| Di-n-octyl phthalate                                  | 50                                                       | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| Fluoranthene                                          | 50                                                       | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | 7.8                                             | < 4.7 J                                         | < 4.9                                           |
| Fluorene                                              | 50                                                       | 43 J                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | 4.9 J                                           | 28 J                                            | 9.2                                             | < 4.7 J                                         | < 4.9                                           |
| Hexachlorobenzene                                     | 0.04                                                     | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| Hexachlorobutadiene                                   | 0.5                                                      | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| Hexachlorocyclopentadiene                             | 5                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| Hexachloroethane                                      | 5                                                        | < 99 J                                           | < 250 J                                          | < 250 J                                          | < 1000 J                                         | < 5.3 J                                         | < 23 J                                          | < 96 J                                          | < 5.1 J                                         | < 4.7 J                                         | < 4.9 J                                         |
| Indeno(1,2,3-cd)pyrene                                | 0.002                                                    | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| Isophorone                                            | 50                                                       | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| Naphthalene                                           | 10                                                       | 1300 <sup>[A]</sup>                              | 2900 <sup>[A]</sup>                              | 4800 <sup>[A]</sup>                              | 8600 <sup>[A]</sup>                              | < 5.3                                           | 8 J                                             | 540 <sup>[A]</sup>                              | 25 <sup>[A]</sup>                               | < 4.7 J                                         | 12 <sup>[A]</sup>                               |
| Nitrobenzene                                          | 0.4                                                      | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| N-Nitrosodi-n-propylamine                             | -                                                        | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | < 96                                            | < 5.1                                           | < 4.7 J                                         | < 4.9                                           |
| N-Nitrosodiphenylamine                                | 50                                                       | < 99 J                                           | < 250 J                                          | < 250 J                                          | < 1000 J                                         | < 5.3 J                                         | < 23 J                                          | < 96 J                                          | < 5.1 J                                         | < 4.7 J                                         | < 4.9 J                                         |
| Pentachlorophenol                                     | 1                                                        | < 200                                            | < 500                                            | < 490                                            | < 2000                                           | < 11                                            | < 47                                            | < 190                                           | < 10                                            | < 9.5 J                                         | < 9.9                                           |
| Phenanthrene                                          | 50                                                       | 52 J <sup>[A]</sup>                              | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | 35 J                                            | 21                                              | < 4.7 J                                         | < 4.9                                           |
| Phenol                                                | 1                                                        | < 99                                             | 54 J <sup>[A]</sup>                              | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | 19 J <sup>[A]</sup>                             | < 5.1                                           | < 4.7                                           | < 4.9                                           |
| Pyrene                                                | 50                                                       | < 99                                             | < 250                                            | < 250                                            | < 1000                                           | < 5.3                                           | < 23                                            | 7.2 J                                           | 11                                              | < 4.7 J                                         | < 4.9                                           |
| Volatile Organic Compounds (ug/L)                     |                                                          |                                                  |                                                  |                                                  |                                                  |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 1,1,1-Trichloroethane                                 | 5                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| 1,1,2,2-Tetrachloroethane                             | 5                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| 1,1,2-Trichloroethane                                 | 1                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| 1,1-Dichloroethane                                    | 5                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| 1,1-Dichloroethene                                    | 5                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| 1,2,4-Trichlorobenzene                                | 5                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| 1,2-Dibromo-3-chloropropane (DBCP)                    | 0.04                                                     | < 10                                             | < 2                                              | 18 <sup>[A]</sup>                                | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| 1,2-Dibromoethane (Ethylene Dibromide)                | 0.0006                                                   | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| 1,2-Dichlorobenzene                                   | 3                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| 1,2-Dichloroethane                                    | 0.6                                                      | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| 1,2-Dichloropropane                                   | 1                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| 1,3-Dichlorobenzene                                   | 3                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| 1,4-Dichlorobenzene                                   | 3                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| 2-Butanone (Methyl Ethyl Ketone)                      | 50                                                       | < 100                                            | < 20                                             | < 100                                            | < 20                                             | < 20                                            | < 10                                            | < 100                                           | < 10                                            | < 10                                            | < 10                                            |
| 2-Hexanone                                            | 50                                                       | < 50                                             | < 10                                             | < 50                                             | < 10                                             | < 10                                            | < 5                                             | < 50                                            | < 5                                             | < 5                                             | < 5                                             |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)         | -                                                        | < 50                                             | < 10                                             | < 50                                             | < 10                                             | < 10                                            | < 5                                             | < 50                                            | < 5                                             | < 5                                             | < 5                                             |
| Acetone                                               | 50                                                       | < 100                                            | < 20                                             | < 100                                            | 14 J                                             | < 20                                            | < 10                                            | < 100                                           | < 10                                            | 3.6 J                                           | < 10                                            |
| Benzene                                               | 1                                                        | 23000 <sup>[A]</sup>                             | 3600 <sup>[A]</sup>                              | 1000 <sup>[A]</sup>                              | 3900 <sup>[A]</sup>                              | 91 <sup>[A]</sup>                               | 0.52 J                                          | 840 <sup>[A]</sup>                              | 8.6 <sup>[A]</sup>                              | 0.44 J                                          | 2.4 <sup>[A]</sup>                              |
| Bromodichloromethane                                  | 50                                                       | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| Bromoform                                             | 50                                                       | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1 J                                           | < 1                                             |

TABLE VII  
Off-Site Groundwater Analytical Results  
East Station Former MGP  
Rochester, New York

| Location<br>Sample Date<br>Sample Type<br>Sample Name | NYSDEC TOGS 1.1.1<br>Class GA Water<br>Quality Standards | DW-12-07I<br>12/11/2013<br>N<br>4527-121113-1310 | DW-12-07R<br>12/11/2013<br>N<br>4552-121113-1310 | DW-12-08R<br>12/11/2013<br>N<br>4552-121113-1040 | DW-12-09M<br>12/10/2013<br>N<br>4527-121013-1650 | SW-12-01<br>12/09/2013<br>N<br>4527-120913-1500 | SW-12-04<br>12/09/2013<br>N<br>4552-120913-1500 | SW-12-05<br>12/09/2013<br>N<br>4552-120913-1300 | SW-12-06<br>12/09/2013<br>N<br>4527-120913-1300 | SW-12-10<br>12/06/2013<br>N<br>4552-120613-1200 | SW-12-13<br>12/06/2013<br>N<br>4527-120613-1530 |
|-------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Bromomethane (Methyl Bromide)                         | 5                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| Carbon disulfide                                      | 60                                                       | < 10                                             | 7.8                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| Carbon tetrachloride                                  | 5                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| Chlorobenzene                                         | 5                                                        | < 10                                             | < 2                                              | < 10                                             | 4.3                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| Chloroethane                                          | 5                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| Chloroform (Trichloromethane)                         | 7                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| Chloromethane (Methyl Chloride)                       | 5                                                        | <b>22</b> <sup>[A]</sup>                         | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| cis-1,2-Dichloroethene                                | 5                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | 0.9 J                                           | < 1                                             | < 1                                             |
| cis-1,3-Dichloropropene                               | 0.4                                                      | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| Cyclohexane                                           | -                                                        | < 10                                             | 34                                               | < 10                                             | 2.1                                              | 14                                              | < 1                                             | 65                                              | < 1                                             | < 1                                             | < 1                                             |
| Dibromochloromethane                                  | 50                                                       | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| Dichlorodifluoromethane (CFC-12)                      | 5                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| Ethylbenzene                                          | 5                                                        | <b>710</b> <sup>[A]</sup>                        | <b>2100</b> <sup>[A]</sup>                       | <b>1300</b> <sup>[A]</sup>                       | <b>3300</b> <sup>[A]</sup>                       | < 2                                             | < 1                                             | <b>470</b> <sup>[A]</sup>                       | 0.85 J                                          | < 1                                             | 1.7                                             |
| Isopropylbenzene                                      | 5                                                        | < 10                                             | <b>70</b> <sup>[A]</sup>                         | <b>58</b> <sup>[A]</sup>                         | <b>71</b> <sup>[A]</sup>                         | 5                                               | < 1                                             | <b>34</b> <sup>[A]</sup>                        | < 1                                             | 0.83 J                                          | < 1                                             |
| Methyl acetate                                        | -                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| Methyl cyclohexane                                    | -                                                        | < 10                                             | 37                                               | 3.8 J                                            | 1.4 J                                            | < 2                                             | < 1                                             | < 10                                            | 0.5 J                                           | < 1                                             | < 1                                             |
| Methyl Tert Butyl Ether                               | -                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| Methylene chloride                                    | 5                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| Styrene                                               | 5                                                        | < 10                                             | < 2                                              | <b>21</b> <sup>[A]</sup>                         | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| Tetrachloroethene                                     | 5                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| Toluene                                               | 5                                                        | <b>7100</b> <sup>[A]</sup>                       | <b>130</b> <sup>[A]</sup>                        | <b>260</b> <sup>[A]</sup>                        | <b>240</b> <sup>[A]</sup>                        | < 2                                             | < 1                                             | < 10                                            | 1.2                                             | < 1 J                                           | < 1                                             |
| trans-1,2-Dichloroethene                              | 5                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| trans-1,3-Dichloropropene                             | 0.4                                                      | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| Trichloroethene                                       | 5                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| Trichlorofluoromethane (CFC-11)                       | 5                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| Trifluorotrichloroethane (Freon 113)                  | 5                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| Vinyl chloride                                        | 2                                                        | < 10                                             | < 2                                              | < 10                                             | < 2                                              | < 2                                             | < 1                                             | < 10                                            | < 1                                             | < 1                                             | < 1                                             |
| Xylene (total)                                        | 5                                                        | <b>1000</b> <sup>[A]</sup>                       | <b>1100</b> <sup>[A]</sup>                       | <b>1100</b> <sup>[A]</sup>                       | <b>2900</b> <sup>[A]</sup>                       | 2.2 J                                           | < 2                                             | <b>88</b> <sup>[A]</sup>                        | 2.7                                             | < 2                                             | 1.1 J                                           |

- Notes:
- Results were compared to the following criteria:  
    **[A]**: Indicates result is greater than TOGS Water Quality Standards,  
        Table 1, Class GA (June 1998).
  - <: Result is below indicated reporting limit.  
    J: Estimated result.
  - Results in **bold** exceed criteria.
  - Sample type codes: N - Normal, FD - Field Duplicate

TABLE VII  
Off-Site Groundwater Analytical Results  
East Station Former MGP  
Rochester, New York

| Location<br>Sample Date<br>Sample Type<br>Sample Name | NYSDEC TOGS 1.1.1<br>Class GA Water<br>Quality Standards | SW-12-20<br>12/11/2013<br>N<br>4527-121113-1005 | SW-12-21<br>12/09/2013<br>N<br>4552-120913-1700 |
|-------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Inorganic Compounds (mg/L)                            |                                                          |                                                 |                                                 |
| Aluminum                                              | -                                                        | 0.54                                            | 0.23                                            |
| Antimony                                              | 0.003                                                    | < 0.02                                          | < 0.02                                          |
| Arsenic                                               | 0.025                                                    | < 0.01                                          | 0.011                                           |
| Barium                                                | 1                                                        | 0.47                                            | 0.12                                            |
| Beryllium                                             | 0.003                                                    | < 0.002                                         | < 0.002                                         |
| Cadmium                                               | 0.005                                                    | < 0.001                                         | 0.00099 J                                       |
| Calcium                                               | -                                                        | 171                                             | 96.2                                            |
| Chromium                                              | 0.05                                                     | 0.0019 J                                        | 0.0037 J                                        |
| Cobalt                                                | -                                                        | < 0.004                                         | 0.0058                                          |
| Copper                                                | 0.2                                                      | 0.0029 J                                        | 0.023                                           |
| Cyanide                                               | 0.2                                                      | 0.074                                           | 0.011                                           |
| Iron                                                  | 0.3                                                      | 1.3 <sup>[A]</sup>                              | 1.4 <sup>[A]</sup>                              |
| Lead                                                  | 0.025                                                    | < 0.005                                         | 0.01                                            |
| Magnesium                                             | 35                                                       | 74 <sup>[A]</sup>                               | 41.9 <sup>[A]</sup>                             |
| Manganese                                             | 0.3                                                      | 0.22                                            | 0.3                                             |
| Mercury                                               | 0.0007                                                   | < 0.0002 J                                      | < 0.0002 J                                      |
| Nickel                                                | 0.1                                                      | 0.0066 J                                        | 0.018                                           |
| Potassium                                             | -                                                        | 11.1                                            | 23.2                                            |
| Selenium                                              | 0.01                                                     | < 0.015                                         | < 0.015                                         |
| Silver                                                | 0.05                                                     | < 0.003                                         | < 0.003                                         |
| Sodium                                                | 20                                                       | 872 <sup>[A]</sup>                              | 902 <sup>[A]</sup>                              |
| Thallium                                              | 0.0005                                                   | < 0.02                                          | < 0.02                                          |
| Vanadium                                              | -                                                        | < 0.005                                         | 0.0043 J                                        |
| Zinc                                                  | 2                                                        | < 0.01                                          | 0.048                                           |
| Semi-Volatile Organic Compounds (ug/L)                |                                                          |                                                 |                                                 |
| 2,2'-oxybis(1-Chloropropane)                          | -                                                        | < 4.8                                           | < 4.9                                           |
| 2,4,5-Trichlorophenol                                 | -                                                        | < 4.8                                           | < 4.9                                           |
| 2,4,6-Trichlorophenol                                 | -                                                        | < 4.8                                           | < 4.9                                           |
| 2,4-Dichlorophenol                                    | 5                                                        | < 4.8                                           | < 4.9                                           |
| 2,4-Dimethylphenol                                    | 50                                                       | < 4.8                                           | < 4.9                                           |
| 2,4-Dinitrophenol                                     | 10                                                       | < 9.7                                           | < 9.8                                           |
| 2,4-Dinitrotoluene                                    | 5                                                        | < 4.8                                           | < 4.9                                           |
| 2,6-Dinitrotoluene                                    | 5                                                        | < 4.8                                           | < 4.9                                           |
| 2-Chloronaphthalene                                   | 10                                                       | < 4.8                                           | < 4.9                                           |
| 2-Chlorophenol                                        | -                                                        | < 4.8                                           | < 4.9                                           |
| 2-Methylnaphthalene                                   | -                                                        | < 4.8 J                                         | < 4.9 J                                         |
| 2-Methylphenol                                        | -                                                        | < 4.8                                           | < 4.9                                           |
| 2-Nitroaniline                                        | 5                                                        | < 9.7                                           | < 9.8                                           |
| 2-Nitrophenol                                         | -                                                        | < 4.8                                           | < 4.9                                           |
| 3,3'-Dichlorobenzidine                                | 5                                                        | < 4.8                                           | < 4.9                                           |
| 3-Nitroaniline                                        | 5                                                        | < 9.7                                           | < 9.8                                           |
| 4,6-Dinitro-2-methylphenol                            | -                                                        | < 9.7                                           | < 9.8                                           |
| 4-Bromophenyl phenyl ether                            | -                                                        | < 4.8                                           | < 4.9                                           |
| 4-Chloro-3-methylphenol                               | -                                                        | < 4.8                                           | < 4.9                                           |
| 4-Chloroaniline                                       | 5                                                        | < 4.8                                           | < 4.9                                           |
| 4-Chlorophenyl phenyl ether                           | -                                                        | < 4.8                                           | < 4.9                                           |
| 4-Methylphenol                                        | -                                                        | < 9.7                                           | < 9.8                                           |
| 4-Nitroaniline                                        | 5                                                        | < 9.7                                           | < 9.8                                           |
| 4-Nitrophenol                                         | -                                                        | < 9.7                                           | < 9.8                                           |
| Acenaphthene                                          | 20                                                       | 110 <sup>[A]</sup>                              | < 4.9                                           |
| Acenaphthylene                                        | -                                                        | 1.4 J                                           | < 4.9                                           |
| Acetophenone                                          | -                                                        | < 4.8                                           | < 4.9                                           |
| Anthracene                                            | 50                                                       | 4.4 J                                           | < 4.9                                           |
| Atrazine                                              | 7.5                                                      | < 4.8                                           | < 4.9                                           |
| Benzaldehyde                                          | -                                                        | < 4.8                                           | < 4.9                                           |

TABLE VII  
Off-Site Groundwater Analytical Results  
East Station Former MGP  
Rochester, New York

| Location<br>Sample Date<br>Sample Type<br>Sample Name | NYSDEC TOGS 1.1.1<br>Class GA Water<br>Quality Standards | SW-12-20<br>12/11/2013<br>N<br>4527-121113-1005 | SW-12-21<br>12/09/2013<br>N<br>4552-120913-1700 |
|-------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Benzo(a)anthracene                                    | 0.002                                                    | 0.93 J <sup>[A]</sup>                           | 0.38 J <sup>[A]</sup>                           |
| Benzo(a)pyrene                                        | 0                                                        | 0.52 J                                          | < 4.9                                           |
| Benzo(b)fluoranthene                                  | 0.002                                                    | < 4.8                                           | < 4.9                                           |
| Benzo(g,h,i)perylene                                  | -                                                        | < 4.8                                           | < 4.9                                           |
| Benzo(k)fluoranthene                                  | 0.002                                                    | < 4.8                                           | < 4.9                                           |
| Biphenyl                                              | 5                                                        | 6 <sup>[A]</sup>                                | < 4.9                                           |
| bis(2-Chloroethoxy)methane                            | 5                                                        | < 4.8                                           | < 4.9                                           |
| bis(2-Chloroethyl)ether                               | 1                                                        | < 4.8                                           | < 4.9                                           |
| bis(2-Ethylhexyl)phthalate                            | 5                                                        | < 4.8                                           | 21 <sup>[A]</sup>                               |
| Butyl benzylphthalate                                 | 50                                                       | < 4.8                                           | < 4.9                                           |
| Caprolactam                                           | -                                                        | < 4.8                                           | < 4.9                                           |
| Carbazole                                             | -                                                        | 2.5 J                                           | < 4.9                                           |
| Chrysene                                              | 0.002                                                    | 0.7 J <sup>[A]</sup>                            | 0.4 J <sup>[A]</sup>                            |
| Dibenz(a,h)anthracene                                 | -                                                        | < 4.8                                           | < 4.9                                           |
| Dibenzofuran                                          | -                                                        | 2.4 J                                           | < 9.8                                           |
| Diethyl phthalate                                     | 50                                                       | < 4.8                                           | < 4.9                                           |
| Dimethyl phthalate                                    | 50                                                       | < 4.8                                           | < 4.9                                           |
| Di-n-butylphthalate                                   | 50                                                       | < 4.8                                           | 0.38 J                                          |
| Di-n-octyl phthalate                                  | 50                                                       | < 4.8                                           | < 4.9                                           |
| Fluoranthene                                          | 50                                                       | 3.2 J                                           | 0.7 J                                           |
| Fluorene                                              | 50                                                       | 14                                              | < 4.9                                           |
| Hexachlorobenzene                                     | 0.04                                                     | < 4.8                                           | < 4.9                                           |
| Hexachlorobutadiene                                   | 0.5                                                      | < 4.8                                           | < 4.9                                           |
| Hexachlorocyclopentadiene                             | 5                                                        | < 4.8                                           | < 4.9                                           |
| Hexachloroethane                                      | 5                                                        | < 4.8 J                                         | < 4.9 J                                         |
| Indeno(1,2,3-cd)pyrene                                | 0.002                                                    | < 4.8                                           | < 4.9                                           |
| Isophorone                                            | 50                                                       | < 4.8                                           | < 4.9                                           |
| Naphthalene                                           | 10                                                       | 32 <sup>[A]</sup>                               | < 4.9                                           |
| Nitrobenzene                                          | 0.4                                                      | < 4.8                                           | < 4.9                                           |
| N-Nitrosodi-n-propylamine                             | -                                                        | < 4.8                                           | < 4.9                                           |
| N-Nitrosodiphenylamine                                | 50                                                       | < 4.8 J                                         | < 4.9 J                                         |
| Pentachlorophenol                                     | 1                                                        | < 9.7                                           | < 9.8                                           |
| Phenanthrene                                          | 50                                                       | 20                                              | < 4.9                                           |
| Phenol                                                | 1                                                        | < 4.8                                           | < 4.9                                           |
| Pyrene                                                | 50                                                       | 4.1 J                                           | 0.87 J                                          |
| Volatile Organic Compounds (ug/L)                     |                                                          |                                                 |                                                 |
| 1,1,1-Trichloroethane                                 | 5                                                        | < 2                                             | < 1                                             |
| 1,1,2,2-Tetrachloroethane                             | 5                                                        | < 2                                             | < 1                                             |
| 1,1,2-Trichloroethane                                 | 1                                                        | < 2                                             | < 1                                             |
| 1,1-Dichloroethane                                    | 5                                                        | < 2                                             | < 1                                             |
| 1,1-Dichloroethene                                    | 5                                                        | < 2                                             | < 1                                             |
| 1,2,4-Trichlorobenzene                                | 5                                                        | < 2                                             | < 1                                             |
| 1,2-Dibromo-3-chloropropane (DBCP)                    | 0.04                                                     | < 2                                             | < 1                                             |
| 1,2-Dibromoethane (Ethylene Dibromide)                | 0.0006                                                   | < 2                                             | < 1                                             |
| 1,2-Dichlorobenzene                                   | 3                                                        | < 2                                             | < 1                                             |
| 1,2-Dichloroethane                                    | 0.6                                                      | < 2                                             | < 1                                             |
| 1,2-Dichloropropane                                   | 1                                                        | < 2                                             | < 1                                             |
| 1,3-Dichlorobenzene                                   | 3                                                        | < 2                                             | < 1                                             |
| 1,4-Dichlorobenzene                                   | 3                                                        | < 2                                             | < 1                                             |
| 2-Butanone (Methyl Ethyl Ketone)                      | 50                                                       | < 20                                            | < 10                                            |
| 2-Hexanone                                            | 50                                                       | < 10                                            | < 5                                             |
| 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)         | -                                                        | < 10                                            | < 5                                             |
| Acetone                                               | 50                                                       | < 20                                            | < 10                                            |
| Benzene                                               | 1                                                        | 140 <sup>[A]</sup>                              | < 1                                             |
| Bromodichloromethane                                  | 50                                                       | < 2                                             | < 1                                             |
| Bromoform                                             | 50                                                       | < 2                                             | < 1                                             |

TABLE VII  
Off-Site Groundwater Analytical Results  
East Station Former MGP  
Rochester, New York

| Location<br>Sample Date<br>Sample Type<br>Sample Name | NYSDEC TOGS 1.1.1<br>Class GA Water<br>Quality Standards | SW-12-20<br>12/11/2013<br>N<br>4527-121113-1005 | SW-12-21<br>12/09/2013<br>N<br>4552-120913-1700 |
|-------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Bromomethane (Methyl Bromide)                         | 5                                                        | < 2                                             | < 1                                             |
| Carbon disulfide                                      | 60                                                       | < 2                                             | < 1                                             |
| Carbon tetrachloride                                  | 5                                                        | < 2                                             | < 1                                             |
| Chlorobenzene                                         | 5                                                        | < 2                                             | < 1                                             |
| Chloroethane                                          | 5                                                        | < 2                                             | < 1                                             |
| Chloroform (Trichloromethane)                         | 7                                                        | < 2                                             | < 1                                             |
| Chloromethane (Methyl Chloride)                       | 5                                                        | < 2                                             | < 1                                             |
| cis-1,2-Dichloroethene                                | 5                                                        | < 2                                             | < 1                                             |
| cis-1,3-Dichloropropene                               | 0.4                                                      | < 2                                             | < 1                                             |
| Cyclohexane                                           | -                                                        | < 2                                             | < 1                                             |
| Dibromochloromethane                                  | 50                                                       | < 2                                             | < 1                                             |
| Dichlorodifluoromethane (CFC-12)                      | 5                                                        | < 2                                             | < 1                                             |
| Ethylbenzene                                          | 5                                                        | <b>16</b> <sup>[A]</sup>                        | < 1                                             |
| Isopropylbenzene                                      | 5                                                        | <b>12</b> <sup>[A]</sup>                        | < 1                                             |
| Methyl acetate                                        | -                                                        | < 2                                             | < 1                                             |
| Methyl cyclohexane                                    | -                                                        | 1 J                                             | < 1                                             |
| Methyl Tert Butyl Ether                               | -                                                        | < 2                                             | < 1                                             |
| Methylene chloride                                    | 5                                                        | < 2                                             | < 1                                             |
| Styrene                                               | 5                                                        | < 2                                             | < 1                                             |
| Tetrachloroethene                                     | 5                                                        | < 2                                             | < 1                                             |
| Toluene                                               | 5                                                        | 1,2 J                                           | < 1                                             |
| trans-1,2-Dichloroethene                              | 5                                                        | < 2                                             | < 1                                             |
| trans-1,3-Dichloropropene                             | 0.4                                                      | < 2                                             | < 1                                             |
| Trichloroethene                                       | 5                                                        | < 2                                             | < 1                                             |
| Trichlorofluoromethane (CFC-11)                       | 5                                                        | < 2                                             | < 1                                             |
| Trifluorotrichloroethane (Freon 113)                  | 5                                                        | < 2                                             | < 1                                             |
| Vinyl chloride                                        | 2                                                        | < 2                                             | < 1                                             |
| Xylene (total)                                        | 5                                                        | < 4                                             | < 2                                             |

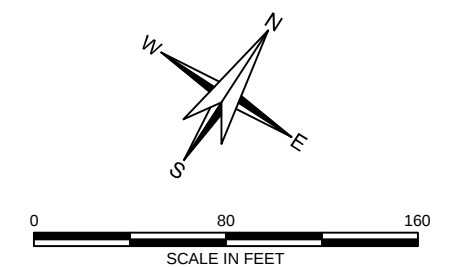
- Notes:
- Results were compared to the following criteria:  
[A]: Indicates result is greater than TOGS Water Quality Standards,  
Table 1, Class GA (June 1998).
  - <: Result is below indicated reporting limit.  
J: Estimated result.
  - Results in **bold** exceed criteria.
  - Sample type codes: N - Normal, FD - Field Duplicate

G:\36492\_EAST\_STATION\GLOBAL\CAD\DRAWINGS\36492-022-LOCATION-PLAN\_R1.DWG



**LEGEND:**

- SOIL BORING LOCATION  
SB = SOIL BORING
- SOIL BORING/OVERBURDEN MONITORING WELL  
LOCATION  
SW = SHALLOW (OVERBURDEN) WELL
- BEDROCK MONITORING WELL LOCATION  
BR = BEDROCK CORING, DW = DEEP (BEDROCK)  
WELL



**HALEY &  
ALDRICH**

RG&E EAST STATION FORMER MGP SITE  
ROCHESTER, NEW YORK

OFF-SITE OVERBURDEN AND  
BEDROCK EXPLORATION LOCATIONS

SCALE: AS SHOWN  
FEBRUARY 2014

FIGURE 1

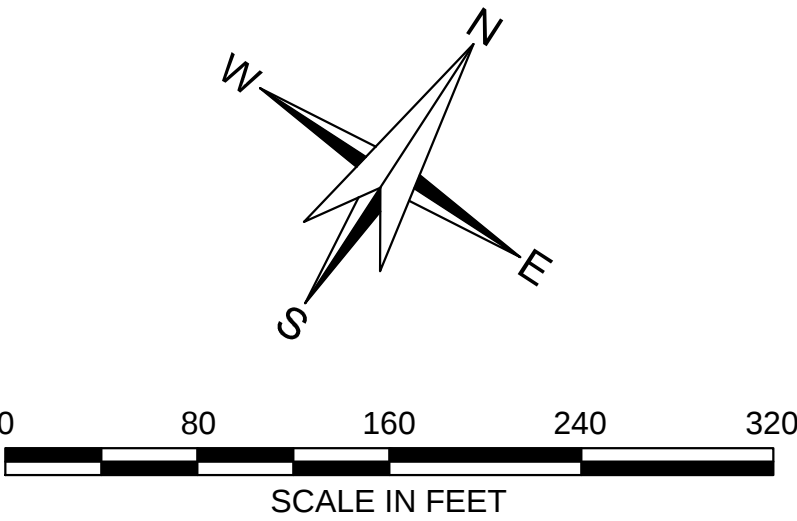
G:\36492 EAST\_STATION\GLOBAL\CAD\DRAWINGS\36492-022-DATABOX-SO-OFFSITE\_R3.DWG



- LEGEND:**
- SOIL BORING LOCATION  
SB = SOIL BORING
  - SOIL BORING/OVERBURDEN MONITORING WELL LOCATION  
SW = SHALLOW (OVERBURDEN) WELL
  - BEDROCK MONITORING WELL LOCATION  
BR = BEDROCK CORING, DW = DEEP (BEDROCK) WELL

- NOTES:**
- DATABOX UNITS ARE MG/KG.
  - CHEMICALS SHOWN ARE THOSE THAT EXCEED CRITERIA IN ONE OR MORE SAMPLES SHOWN. HYDROCARBON FINGERPRINT RESULTS ARE SHOWN FOR DW-12-021 AND SB-12-17A. SEE SUMMARY TABLE FOR ALL RESULTS.
  - RESULTS WERE SCREENED AGAINST NYSDEC RESTRICTED USE SOIL CLEANUP OBJECTIVE FOR COMMERCIAL. EXCEEDANCES ARE SHOWN IN RED.
  - <: RESULT IS BELOW INDICATED REPORTING LIMIT  
J: ESTIMATED RESULT

|                                                | NYSDEC<br>Restricted Use<br>Soil Cleanup<br>Objective<br>for Commercial |
|------------------------------------------------|-------------------------------------------------------------------------|
| <b>Inorganic Compounds (mg/kg)</b>             |                                                                         |
| Arsenic                                        | 16                                                                      |
| Barium                                         | 400                                                                     |
| Cadmium                                        | 9.3                                                                     |
| Lead                                           | 1000                                                                    |
| <b>Semi-Volatile Organic Compounds (mg/kg)</b> |                                                                         |
| Benzo(a)pyrene                                 | 1                                                                       |
| Benzo(b)fluoranthene                           | 5.6                                                                     |
| Dibenz(a,h)anthracene                          | 0.56                                                                    |



**HALEY & ALDRICH** RG&E EAST STATION FORMER MGP SITE  
ROCHESTER, NEW YORK

**OFF-SITE SOIL ANALYTICAL RESULTS**

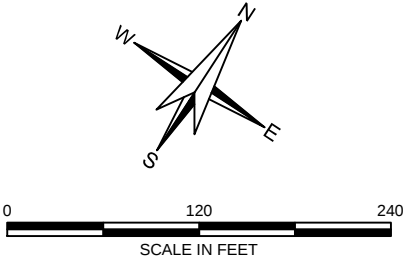
SCALE: AS SHOWN  
FEBRUARY 2014

**FIGURE 2**



- LEGEND:
- SOIL BORING LOCATION
  - TARGOST LOCATION
  - BEDROCK BORING LOCATION
  - TOP OF BEDROCK ELEVATION CONTOUR LINE
  - BEDROCK CROSS-SECTION A - A'

NOTES:  
1. CONTOURS CREATED WITH ARCGIS SPATIAL ANALYST SPLINE METHOD.  
ACTUAL ELEVATIONS BETWEEN LOCATIONS MAY VARY.



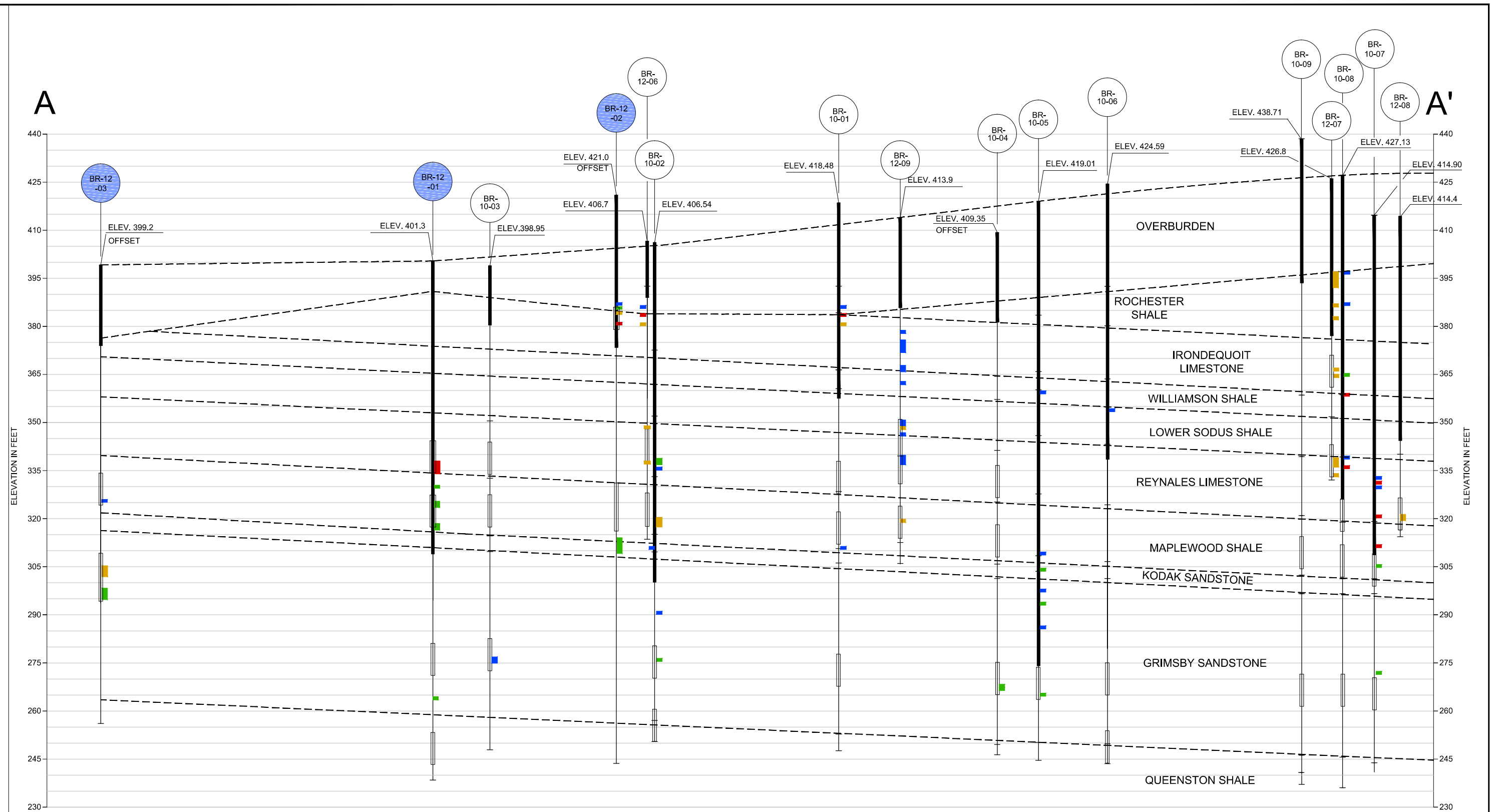
**HALEY & ALDRICH** EAST STATION FORMER MGP  
ROCHESTER, NEW YORK

**TOP OF BEDROCK  
ELEVATION CONTOURS**

SCALE: AS SHOWN  
FEBRUARY 2013

FIGURE 3

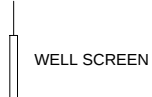
\\MANCOMMON\36492\_EAST\_STATION\GLOBAL\CAD\DRAWINGS\36492-034-0032-BEDR XSEC [2013-1107].DWG



**LEGEND:**

POTENTIAL MGP-IMPACTED ZONE

- ODOR
- SHEEN
- MINOR NAPL OBSERVED
- NAPL OBSERVED



WELL SCREEN

**NOTES:**

- BEDROCK BORINGS COMPLETED BY HALEY & ALDRICH OF NEW YORK.
- BEDROCK FORMATION TRANSITIONS (DASHED LINES) ARE APPROXIMATE.
- OFF-SITE BEDROCK CORING LOCATIONS COMPLETED IN OCTOBER AND NOVEMBER 2013 ARE HIGHLIGHTED IN BLUE.
- CROSS-SECTION LOCATION IS SHOWN ON FIGURE 3.

HORIZ. 0 60 120 180  
VERT. 0 15 30 45  
SCALE IN FEET

**HALEY & ALDRICH**

RG&E EAST STATION FORMER MGP SITE  
ROCHESTER, NEW YORK

**BEDROCK CROSS-SECTION A - A'**

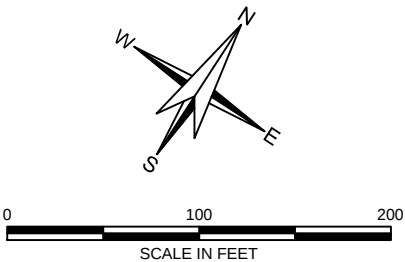
SCALE: AS SHOWN  
FEBRUARY 2013

**FIGURE 4**



- LEGEND:
- EXISTING OVERBURDEN GROUNDWATER MONITORING WELL
  - EXISTING PIEZOMETER LOCATION
  - EXISTING NAPL RECOVERY/MONITORING WELL
  - OVERBURDEN MONITORING WELL LOCATION (2011)
  - OVERBURDEN GROUNDWATER ELEVATION CONTOUR LINE

- NOTES:
- DEPTH TO WATER MEASURED BY HALEY & ALDRICH OF NEW YORK ON 2 DECEMBER 2013.
  - PIEZOMETERS PZ-1, PZ-05, AND PZ-14 NOT USED FOR CREATING CONTOURS.
  - CONTOURS CREATED WITH ARCGIS SPATIAL ANALYST SPLINE METHOD. ACTUAL GROUNDWATER ELEVATIONS BETWEEN WELL LOCATIONS MAY VARY.
  - NM: NOT MEASURED.



**HALEY & ALDRICH**

EAST STATION FORMER MGP  
ROCHESTER, NEW YORK

OVERBURDEN GROUNDWATER  
ELEVATION CONTOUR PLAN  
DECEMBER 2013

SCALE: AS SHOWN  
FEBRUARY 2013

FIGURE 5



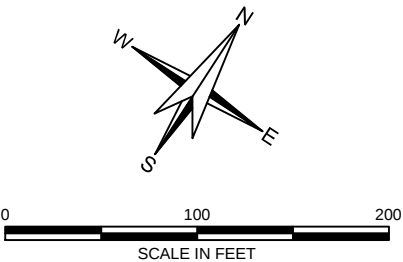
LEGEND:

 BEDROCK GROUNDWATER MONITORING WELL

NOTES:

1. DEPTH TO WATER MEASURED BY HALEY & ALDRICH OF NEW YORK ON 2 DECEMBER 2013.

2. NM: NOT MEASURED.



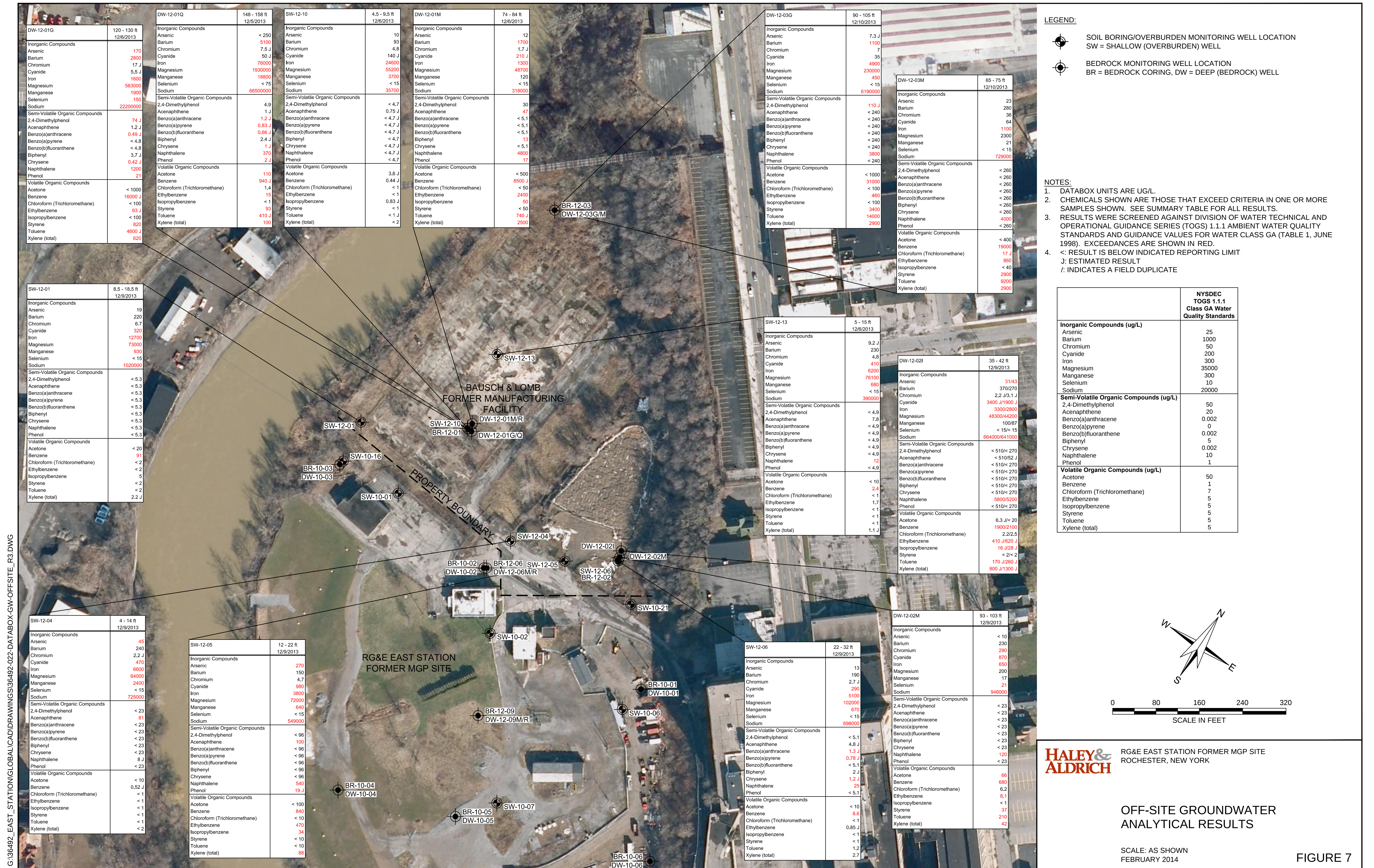


EAST STATION FORMER MGP  
ROCHESTER, NEW YORK

**BEDROCK GROUNDWATER  
ELEVATION POSTING MAP  
DECEMBER 2013**

SCALE: AS SHOWN  
FEBRUARY 2013

**FIGURE 6**



## **APPENDIX A**

### **Off-Site Soil Boring Logs and Overburden Well Installation Reports**

## TEST BORING REPORT

Boring No. BR-12-03

Project EAST STATION FORMER MGP SITE SUPPLEMENTAL RI, ROCHESTER, NY  
 Client ROCHESTER GAS & ELECTRIC CORPORATION  
 Contractor NOTHNAGLE DRILLING

File No. 36492-022  
 Sheet No. 1 of 2  
 Start October 14, 2013  
 Finish October 14, 2013  
 Driller K. Busch  
 H&A Rep. Keller/Nostrant  
 Elevation 399.2  
 Datum NYS Barge Canal  
 Location See Plan

|                       | Casing | Sampler | Barrel | Drilling Equipment and Procedures    |
|-----------------------|--------|---------|--------|--------------------------------------|
| Type                  | HSA    | G       | --     | Rig Make & Model: BK-81 Truck Mount  |
| Inside Diameter (in.) | 4 1/4  | 1 5/8   | --     | Bit Type: Cutting Head               |
| Hammer Weight (lb)    | -      | 140     | -      | Drill Mud: None                      |
| Hammer Fall (in.)     | -      | 30      | -      | Casing: Spun                         |
|                       |        |         |        | Hoist/Hammer: Winch Automatic Hammer |
|                       |        |         |        | PID Make & Model: MiniRAE 3000       |

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Stratum Change Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION)                                                            | Gravel   |        |          |          |        |         | Sand     |          |        |         |  |  |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|---------|----------|----------|--------|---------|--|--|
|            |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                                                                       | % Coarse | % Fine | % Coarse | % Medium | % Fine | % Fines | % Coarse | % Medium | % Fine | % Fines |  |  |
| 0          |                         | G1<br>41                | 0.0<br>4.0        | ND                               | ML          |                                | Brown sandy SILT with gravel (ML), mps 20 mm, no odor, dry, trace clay, concrete fragments from 3.8 - 4.0 ft<br><br>-FILL-<br><br>Advanced through obstruction (suspected concrete) to 4.5 ft.                                                        | 5        | 10     | 5        | 10       | 15     | 55      |          |          |        |         |  |  |
| 5          |                         | G2<br>6                 | 4.5<br>7.0        | ND                               |             |                                | Gray-brown-red CONCRETE FRAGMENTS with brick, mps 30 mm, no odor, moist, trace to little gray ash-like material (ALM), coke-like material, wood, glass<br><br>-FILL-<br><br>Observed refusal at 7.0 ft. Advance augers through obstruction to 8.0 ft. |          |        |          |          |        |         |          |          |        |         |  |  |
| 10         |                         | G3<br>2                 | 8.0<br>12.0       | ND                               | GP          |                                | Gray-brown poorly graded GRAVEL with silt (GP), mps 30 mm, no odor, wet<br>Note: Poor recovery, large aggregate lodged in shoe of sampler.<br><br>-FILL-                                                                                              |          |        |          |          |        |         |          |          |        |         |  |  |
| 15         |                         | G4<br>23                | 12.0<br>16.0      | ND                               | ML          |                                | Gray-brown sandy SILT (ML), mps 15 mm, no odor, moist<br><br>Black-white-tan mottled ALM, mps 10 mm, no odor, wet, trace to little clinker-like material<br><br>-FILL-                                                                                | 5        | 15     | 10       | 10       | 60     |         |          |          |        |         |  |  |
| 20         |                         | G5<br>26                | 16.0<br>20.0      | ND                               | SP          | 382.7<br>16.5                  | Gray-brown poorly graded SAND (SP), mps 1 mm, weakly laminated, slight organic odor, wet                                                                                                                                                              |          |        |          |          |        |         | 5        | 90       | 5      |         |  |  |

| Water Level Data |      |                    |                  |                |       | Sample ID                                                                                  |  | Well Diagram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Summary                                                          |                     |
|------------------|------|--------------------|------------------|----------------|-------|--------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------|---------------------|
| Date             | Time | Elapsed Time (hr.) | Depth (ft) to:   |                |       | O - Open End Rod<br>T - Thin Wall Tube<br>U - Undisturbed Sample<br>S - Split Spoon Sample |  |  Riser Pipe<br> Screen<br> Filter Sand<br> Cuttings<br> Grout<br> Concrete<br> Bentonite Seal |  | Overburden (ft) 24.2<br>Rock Cored (ft) 119.8<br>Samples 7G, 24C | Boring No. BR-12-03 |
|                  |      |                    | Bottom of Casing | Bottom of Hole | Water |                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                  |                     |

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

\*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Jan 31, 14

H:\TEST BORING-07-2 REV\WIPID COL-NO FT HA-TB-CORE+WELL-07-2 W FENCE.GDT G:\36492-EAST-STATION022 OFFSITE OBFIELD\GINT LOGS\2013-1106-HA-36492-022\_TB.GPJ

## TEST BORING REPORT

Boring No. BR-12-03

File No. 36492-022

Sheet No. 2 of 2

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Stratum Change Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        | Sand     |          |        |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|
|            |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                            | % Coarse | % Fine | % Coarse | % Medium | % Fine |
| 20         |                         | G6<br>43                | 20.0<br>24.0      | ND                               | SP-SM       | 379.2<br>20.0                  | Gray-brown poorly graded SAND with silt (SP-SM), mps < 1 mm, light brown silt interbeds, slight organic odor, wet                                                                          |          |        |          |          |        |
|            |                         |                         |                   | ND                               |             | 375.7                          |                                                                                                                                                                                            |          |        |          |          |        |
|            |                         |                         |                   | ND                               |             | 23.5                           | Gray-brown lean CLAY with sand, mps 3 mm, slight organic odor, moist                                                                                                                       |          |        |          | 10       | 5      |
|            |                         | G7<br>2                 | 24.0<br>24.2      | ND                               |             | 375.3                          | Gray-brown moderately weathered SHALE, mps 20 mm, no odor, moist                                                                                                                           |          |        |          |          |        |
|            |                         |                         |                   |                                  |             | 23.9                           | -WEATHERED BEDROCK-                                                                                                                                                                        |          |        |          |          |        |
| 25         |                         |                         |                   |                                  |             | 375.0                          | SEE CORE BORING REPORT FOR ROCK DETAILS                                                                                                                                                    |          |        |          |          |        |
|            |                         |                         |                   |                                  |             | 24.2                           |                                                                                                                                                                                            |          |        |          |          |        |
| 30         |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                            |          |        |          |          |        |
| 35         |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                            |          |        |          |          |        |
| 40         |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                            |          |        |          |          |        |
| 45         |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                            |          |        |          |          |        |

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley &amp; Aldrich, Inc.

Boring No. BR-12-03

## TEST BORING REPORT

Boring No. BR-12-05

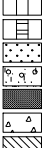
Project EAST STATION FORMER MGP SITE SUPPLEMENTAL RI, ROCHESTER, NY  
 Client ROCHESTER GAS & ELECTRIC CORPORATION  
 Contractor NOTHNAGLE DRILLING

File No. 36492-022  
 Sheet No. 1 of 1  
 Start October 9, 2013

|                       | Casing | Sampler | Barrel | Drilling Equipment and Procedures |
|-----------------------|--------|---------|--------|-----------------------------------|
| Type                  |        |         |        | Rig Make & Model:                 |
| Inside Diameter (in.) |        |         |        | Bit Type:                         |
| Hammer Weight (lb)    |        |         | -      | Drill Mud:                        |
| Hammer Fall (in.)     |        |         | -      | Casing:                           |
|                       |        |         |        | Hoist/Hammer:                     |
|                       |        |         |        | PID Make & Model: MiniRAE 3000    |

Finish  
 Driller K. Busch  
 H&A Rep. Keller/Nostrant  
 Elevation 403.3  
 Datum NYS Barge Canal  
 Location See Plan Moved  
 ~ 8 ft east (toward  
 slope)

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Stratum Change Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        |          |          |        |         | Sand |  |  |  | % Fines |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|---------|------|--|--|--|---------|
|            |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                            | % Coarse | % Fine | % Coarse | % Medium | % Fine | % Fines |      |  |  |  |         |
| 0          | 54                      | G1<br>45                | 0.0<br>4.0        | 0.6<br>0.2<br>0.1<br>0.2         | SM          | 402.8<br>0.5                   | -TOPSOIL-<br>Dark brown silty SAND (SM), mps 10 mm, no odor, moist with concrete fragments, brick particles and ash-like material.                                                         | 0        | 5      | 10       | 25       | 40     | 20      |      |  |  |  |         |
|            |                         |                         |                   |                                  |             | 401.4<br>1.9                   | -FILL-<br>Brown to light brown poorly graded SAND with silt (SP-SM), mps 0.7 mm, no odor, moist to 8.4 ft, wet below 8.4 ft                                                                |          |        |          |          |        |         |      |  |  |  |         |
| 5          | 22                      | G2<br>4                 | 4.0<br>8.0        | 0.2                              | SP-SM       |                                | -ALLUVIAL DEPOSITS-                                                                                                                                                                        | 0        | 0      | 0        | 35       | 55     | 10      |      |  |  |  |         |
|            |                         |                         |                   | 0.0                              |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |  |  |  |         |
|            |                         |                         |                   | 0.0                              |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |  |  |  |         |
| 10         | 81                      | G3<br>42                | 8.0<br>11.5       | 0.0                              |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |  |  |  |         |
|            |                         |                         |                   | 0.0                              |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |  |  |  |         |
|            |                         |                         |                   | 0.0                              |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |  |  |  |         |
|            |                         |                         |                   | 0.0                              |             | 392.3<br>11.0                  | TOP OF BEDROCK 11.0 FT                                                                                                                                                                     |          |        |          |          |        |         |      |  |  |  |         |
|            |                         |                         |                   | 0.0                              |             | 391.8<br>11.5                  | Highly to completely weathered SHALE. Slight petroleum-like odor.                                                                                                                          |          |        |          |          |        |         |      |  |  |  |         |
|            |                         |                         |                   |                                  |             |                                | BOTTOM OF EXPLORATION 11.5 FT                                                                                                                                                              |          |        |          |          |        |         |      |  |  |  |         |

| Water Level Data |       |                    |                  |                |       | Sample ID                                                                                  |  | Well Diagram                                                                         |  | Summary             |      |
|------------------|-------|--------------------|------------------|----------------|-------|--------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|--|---------------------|------|
| Date             | Time  | Elapsed Time (hr.) | Depth (ft) to:   |                |       | O - Open End Rod<br>T - Thin Wall Tube<br>U - Undisturbed Sample<br>S - Split Spoon Sample |  |  |  | Overburden (ft)     | 11.5 |
|                  |       |                    | Bottom of Casing | Bottom of Hole | Water |                                                                                            |  |                                                                                      |  |                     |      |
| 10/9/2013        | 14:45 | 0.00               | N/A              | 11.5           | 8.4   |                                                                                            |  |                                                                                      |  | Rock Cored (ft)     | 0    |
|                  |       |                    |                  |                |       |                                                                                            |  |                                                                                      |  | Samples             | 3G   |
|                  |       |                    |                  |                |       |                                                                                            |  |                                                                                      |  | Boring No. BR-12-05 |      |

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

\*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

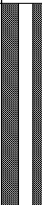
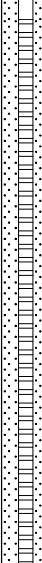
## TEST BORING REPORT

Boring No. SB-12-01

Project EAST STATION FORMER MGP SITE SUPPLEMENTAL RI, ROCHESTER, NY  
 Client ROCHESTER GAS & ELECTRIC CORPORATION  
 Contractor NOTHNAGLE DRILLING

File No. 36492-022  
 Sheet No. 1 of 2  
 Start October 7, 2013  
 Finish October 8, 2013  
 Driller K. Busch  
 H&A Rep. D. Keller  
 Elevation 399.6  
 Datum NYS Barge Canal  
 Location See Plan

|                       | Casing | Sampler | Barrel | Drilling Equipment and Procedures               |
|-----------------------|--------|---------|--------|-------------------------------------------------|
| Type                  | HSA    | G       | --     | Rig Make & Model: Brainard Kilman BK81-HD Truck |
| Inside Diameter (in.) | 4      | 1 3/4   | --     | Bit Type: Cutting Head                          |
| Hammer Weight (lb)    | -      | -       | -      | Drill Mud: None                                 |
| Hammer Fall (in.)     | -      | -       | -      | Casing: HSA Spin 20.5 ft.                       |
|                       |        |         |        | Hoist/Hammer: Automatic Hammer                  |
|                       |        |         |        | PID Make & Model: MiniRAE 3000                  |

| Depth (ft) | Sampler Blows<br>per 6 in. | Sample No.<br>& Rec. (in.) | Sample<br>Depth (ft) | PID Readings<br>(ppm)<br>(sample/bkgd) | USCS Symbol | Well Diagram                                                                        | Stratum<br>Change<br>Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br><br>(Density/consistency, color, GROUP NAME, max. particle size*,<br>structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        | Sand     |          |        |         |  |
|------------|----------------------------|----------------------------|----------------------|----------------------------------------|-------------|-------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|---------|--|
|            |                            |                            |                      |                                        |             |                                                                                     |                                      |                                                                                                                                                                                                   | % Coarse | % Fine | % Coarse | % Medium | % Fine | % Fines |  |
| 0          |                            | G1<br>25                   | 0.0<br>4.0           | 0.0                                    | SM          |    | 399.1<br>0.5                         | -TOPSOIL-<br><br>Black silty SAND (SM), mps 5 mm, no odor, moist with glass particles,<br>cinders                                                                                                 | 0        | 5      | 10       | 35       | 35     | 15      |  |
|            |                            |                            |                      | 0.0                                    |             |                                                                                     |                                      | -FILL-                                                                                                                                                                                            |          |        |          |          |        |         |  |
|            |                            | G2<br>24                   | 4.0<br>8.0           | 0.0                                    | SM          |   | 395.6<br>4.0                         | Yellow-brown silty SAND (SM), mps 26 mm, no odor, moist, brick fragment<br>at 5.9 ft                                                                                                              | 5        | 5      | 5        | 15       | 40     | 30      |  |
| 5          |                            |                            |                      | 0.0                                    |             |                                                                                     |                                      |                                                                                                                                                                                                   |          |        |          |          |        |         |  |
|            |                            | G3<br>0                    | 8.0<br>12.0          | 0.0                                    |             |                                                                                     |                                      | Attempted sample from 8.0 to 10.0 ft. No recovery                                                                                                                                                 |          |        |          |          |        |         |  |
| 10         |                            |                            |                      | 0.0                                    |             |                                                                                     |                                      |                                                                                                                                                                                                   |          |        |          |          |        |         |  |
|            |                            | G4<br>13                   | 12.0<br>16.0         | 0.0<br>0.0                             | CL          |  | 387.1<br>12.5                        | Note: Gray gravel layer at 12.0 ft.<br>Mottled yellow-brown and gray-brown lean CLAY with sand (CL), mps 0.1<br>mm, no odor, moist, occasional silt partings                                      | 0        | 0      | 0        | 0        | 15     | 85      |  |
|            |                            |                            |                      | 0.0                                    |             |                                                                                     |                                      | -ALLUVIAL DEPOSITS-                                                                                                                                                                               |          |        |          |          |        |         |  |
| 15         |                            |                            |                      | 0.0                                    |             |                                                                                     |                                      |                                                                                                                                                                                                   |          |        |          |          |        |         |  |
|            |                            | G5<br>35                   | 16.0<br>20.0         | 0.0                                    |             |                                                                                     |                                      | Jar sample 16.5 to 17.0 ft.                                                                                                                                                                       |          |        |          |          |        |         |  |
|            |                            |                            |                      | 0.0                                    |             |                                                                                     |                                      |                                                                                                                                                                                                   |          |        |          |          |        |         |  |
|            |                            |                            |                      | 0.0                                    |             |                                                                                     |                                      |                                                                                                                                                                                                   |          |        |          |          |        |         |  |
|            |                            |                            |                      | 0.0                                    |             |                                                                                     | 381.1<br>18.5                        | TOP OF BEDROCK 18.5 FT                                                                                                                                                                            |          |        |          |          |        |         |  |
|            |                            |                            |                      |                                        |             |                                                                                     |                                      | Moderately weathered SHALE                                                                                                                                                                        |          |        |          |          |        |         |  |
| 20         |                            |                            |                      |                                        |             |                                                                                     |                                      | -WEATHERED BEDROCK-                                                                                                                                                                               |          |        |          |          |        |         |  |

| Water Level Data |       |                    |                  |                |       | Sample ID                                                                                  |  | Well Diagram                                                                           |  | Summary             |      |
|------------------|-------|--------------------|------------------|----------------|-------|--------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------|--|---------------------|------|
| Date             | Time  | Elapsed Time (hr.) | Depth (ft) to:   |                |       | O - Open End Rod<br>T - Thin Wall Tube<br>U - Undisturbed Sample<br>S - Split Spoon Sample |  | Riser Pipe<br>Screen<br>Filter Sand<br>Cuttings<br>Grout<br>Concrete<br>Bentonite Seal |  | Overburden (ft)     | 20.8 |
|                  |       |                    | Bottom of Casing | Bottom of Hole | Water |                                                                                            |  |                                                                                        |  | Rock Cored (ft)     | 0    |
| 10/7/2013        | 15:00 | 0.0                | 12.0             | 16.0           | 10.0  |                                                                                            |  |                                                                                        |  | Samples             | 6G   |
| 10/8/2013        | 08:15 | 16.5               | 20.5             | 20.5           | 15.3  |                                                                                            |  |                                                                                        |  | Boring No. SB-12-01 |      |

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

\*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

## TEST BORING REPORT

Boring No. SB-12-01

File No. 36492-022  
Sheet No. 2 of 2

| Depth (ft) | Sampler Blows<br>per 6 in. | Sample No.<br>& Rec. (in.) | Sample<br>Depth (ft) | PID Readings<br>(ppm)<br>(sample/bkgd) | USCS Symbol | Well Diagram                                                                      | Stratum<br>Change<br>Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br><br>(Density/consistency, color, GROUP NAME, max. particle size*,<br>structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        | Sand     |          |        |         |
|------------|----------------------------|----------------------------|----------------------|----------------------------------------|-------------|-----------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|---------|
|            |                            |                            |                      |                                        |             |                                                                                   |                                      |                                                                                                                                                                                                   | % Coarse | % Fine | % Coarse | % Medium | % Fine | % Fines |
| 20         |                            | G6<br>8                    | 20.0<br>20.8         |                                        |             |  | 378.8<br>20.8                        |                                                                                                                                                                                                   |          |        |          |          |        |         |
|            |                            |                            |                      |                                        |             |                                                                                   |                                      | BOTTOM OF EXPLORATION 20.8 FT                                                                                                                                                                     |          |        |          |          |        |         |
|            |                            |                            |                      |                                        |             |                                                                                   |                                      | Refusal on probable competent bedrock                                                                                                                                                             |          |        |          |          |        |         |
|            |                            |                            |                      |                                        |             |                                                                                   |                                      | See also "Observation Well Installation Report" SW-12-01 (Well installed 10/8)                                                                                                                    |          |        |          |          |        |         |

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley &amp; Aldrich, Inc.

Boring No. SB-12-01

## TEST BORING REPORT

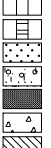
Boring No. SB-12-02

Project EAST STATION FORMER MGP SITE SUPPLEMENTAL RI, ROCHESTER, NY  
 Client ROCHESTER GAS & ELECTRIC CORPORATION  
 Contractor NOTHNAGLE DRILLING

File No. 36492-022  
 Sheet No. 1 of 2  
 Start October 8, 2013  
 Finish October 8, 2013  
 Driller K. Busch  
 H&A Rep. D. Keller  
 Elevation 400.0  
 Datum NYS Barge Canal  
 Location See Plan

|                       | Casing | Sampler | Barrel | Drilling Equipment and Procedures               |
|-----------------------|--------|---------|--------|-------------------------------------------------|
| Type                  | -      | G       | --     | Rig Make & Model: Brainard Kilman BK81-HD Truck |
| Inside Diameter (in.) | -      | 1 3/4   | --     | Bit Type:                                       |
| Hammer Weight (lb)    | -      | -       | -      | Drill Mud: None                                 |
| Hammer Fall (in.)     | -      | -       | -      | Casing: N/A                                     |
|                       |        |         |        | Hoist/Hammer: Automatic Hammer                  |
|                       |        |         |        | PID Make & Model: MiniRAE 3000                  |

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Stratum Change Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        | Sand     |          |        | % Fines |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|---------|
|            |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                            | % Coarse | % Fine | % Coarse | % Medium | % Fine |         |
| 0          |                         | G1<br>16                | 0.0<br>4.0        | 0.0<br>0.0                       | SM          | 399.8<br>0.2                   | -CONCRETE-<br>Red-brown silty SAND (SM), mps 18 mm, no odor, moist (except wet from 4.2 - 5.0 ft)                                                                                          | 0        | 5      | 5        | 25       | 45     | 20      |
| 5          | 57                      | G2<br>32                | 4.0<br>8.0        | 0.0<br>0.0<br>0.0                |             |                                | -FILL-                                                                                                                                                                                     |          |        |          |          |        |         |
| 10         | 72                      | G3<br>30                | 8.0<br>12.0       | 0.0<br>0.1<br>35.7               | SM          | 392.0<br>8.0                   | Red-brown silty SAND (SM), mps 18 mm, slight petroleum-like odor, wet from 10.0 ft, black staining with brick fragments and wood                                                           | 0        | 5      | 5        | 25       | 45     | 20      |
| 15         | 38                      | G4<br>23                | 12.0<br>16.0      | 86.8<br>sheen<br>92.1<br>4.7     | OL/<br>OH   | 386.5<br>13.5                  | Sheen on water starting at 12.0 ft<br>Black sandy ORGANIC SOIL (OL/OH), mps 50 mm, strong organic odor, slight petroleum-like odor                                                         | 5        | 0      | 5        | 10       | 30     | 50      |
| 20         | 24                      | G5<br>19                | 16.0<br>20.0      | 5.1<br>2.9                       | SC          | 382.5<br>17.5                  | -ORGANIC DEPOSIT-<br>Gray-brown clayey SAND (SC), mps 1 mm, no odor, wet                                                                                                                   | 0        | 0      | 0        | 15       | 55     | 30      |
|            |                         |                         |                   |                                  |             |                                | -ALLUVIAL DEPOSITS-                                                                                                                                                                        |          |        |          |          |        |         |

| Water Level Data |       |                    |                  |                |       | Sample ID                                                                                  | Well Diagram                                                                         | Summary                                                                               |
|------------------|-------|--------------------|------------------|----------------|-------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Date             | Time  | Elapsed Time (hr.) | Depth (ft) to:   |                |       | O - Open End Rod<br>T - Thin Wall Tube<br>U - Undisturbed Sample<br>S - Split Spoon Sample |  | Overburden (ft) 23.0<br>Rock Cored (ft) 0<br>Samples 6G<br><b>Boring No. SB-12-02</b> |
|                  |       |                    | Bottom of Casing | Bottom of Hole | Water |                                                                                            |                                                                                      |                                                                                       |
| 10/8/2013        | 09:45 | 0.0                | N/A              | 12.0           | 10.0  |                                                                                            |                                                                                      |                                                                                       |

**Field Tests:** Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

\*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

## TEST BORING REPORT

Boring No. SB-12-02

File No. 36492-022  
Sheet No. 2 of 2

| Depth (ft) | Sampler Blows<br>per 6 in. | Sample No.<br>& Rec. (in.) | Sample<br>Depth (ft) | PID Readings<br>(ppm)<br>(sample/bkgd) | USCS Symbol | Stratum<br>Change<br>Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br><br>(Density/consistency, color, GROUP NAME, max. particle size*,<br>structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        | Sand     |          |        |  |
|------------|----------------------------|----------------------------|----------------------|----------------------------------------|-------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|--|
|            |                            |                            |                      |                                        |             |                                      |                                                                                                                                                                                                   | % Coarse | % Fine | % Coarse | % Medium | % Fine |  |
| 20         | 80                         | G6<br>16                   | 20.0<br>23.0         | 4.4<br><br>1.1                         |             | 378.0<br>22.0                        | TOP OF BEDROCK 22.0 FT                                                                                                                                                                            |          |        |          |          |        |  |
|            |                            |                            |                      |                                        |             | 377.0<br>23.0                        | Highly to moderately weathered SHALE<br>-WEATHERED BEDROCK-<br>BOTTOM OF EXPLORATION 23.0 FT                                                                                                      |          |        |          |          |        |  |
|            |                            |                            |                      |                                        |             |                                      | Refusal on probable competent bedrock.                                                                                                                                                            |          |        |          |          |        |  |
|            |                            |                            |                      |                                        |             |                                      | Borehole backfilled with bentonite.                                                                                                                                                               |          |        |          |          |        |  |

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley &amp; Aldrich, Inc.

Boring No. SB-12-02

## TEST BORING REPORT

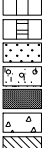
Boring No. SB-12-03

Project EAST STATION FORMER MGP SITE SUPPLEMENTAL RI, ROCHESTER, NY  
 Client ROCHESTER GAS & ELECTRIC CORPORATION  
 Contractor NOTHNAGLE DRILLING

File No. 36492-022  
 Sheet No. 1 of 1  
 Start October 8, 2013  
 Finish October 8, 2013  
 Driller K. Busch  
 H&A Rep. D. Keller  
 Elevation 401.1  
 Datum NYS Barge Canal  
 Location See Plan

|                       | Casing | Sampler | Barrel | Drilling Equipment and Procedures               |
|-----------------------|--------|---------|--------|-------------------------------------------------|
| Type                  | -      | G       | --     | Rig Make & Model: Brainard Kilman BK81-HD Truck |
| Inside Diameter (in.) | -      | 1 3/4   | --     | Bit Type:                                       |
| Hammer Weight (lb)    | -      | -       | -      | Drill Mud: None                                 |
| Hammer Fall (in.)     | -      | -       | -      | Casing:                                         |
|                       |        |         |        | Hoist/Hammer: Automatic Hammer                  |
|                       |        |         |        | PID Make & Model: MiniRAE 3000                  |

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Stratum Change Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        |          |          |        |         | Sand     |          |        |         |  |  |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|---------|----------|----------|--------|---------|--|--|
|            |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                            | % Coarse | % Fine | % Coarse | % Medium | % Fine | % Fines | % Coarse | % Medium | % Fine | % Fines |  |  |
| 0          | 95                      | G1 18                   | 0.0 4.0           | 0.0 0.0                          | SM          | 400.9 0.2                      | -CONCRETE-<br>Brown silty SAND (SM), mps 50 mm, no odor, moist, with brick fragments                                                                                                       | 5        | 5      | 5        | 25       | 40     | 20      |          |          |        |         |  |  |
| 5          | 13                      | G2 3                    | 4.0 8.0           | 0.0                              |             |                                | -FILL-                                                                                                                                                                                     |          |        |          |          |        |         |          |          |        |         |  |  |
| 10         | 8                       | G3 30                   | 8.0 12.0          | 0.0 137.0                        | SM          | 392.1 9.0                      | Gray silty SAND (SM), mps 0.6 mm, moderate petroleum-like odor mixed with sweet odor* that dissipated within 30 seconds to very slight, wet                                                | 0        | 0      | 0        | 30       | 50     | 20      |          |          |        |         |  |  |
| 15         | 37                      | G4 22                   | 12.0 16.0         | 1.0                              |             | 387.1 14.0                     | -ALLUVIAL DEPOSITS-<br>TOP OF BEDROCK 14.0 FT                                                                                                                                              |          |        |          |          |        |         |          |          |        |         |  |  |
|            | 183                     | G5 26                   | 16.0 19.2         |                                  |             | 384.1 17.0                     | Highly weathered SHALE, fractured, slight petroleum-like odor<br>Highly to completely weathered shale, no odor                                                                             |          |        |          |          |        |         |          |          |        |         |  |  |
|            |                         |                         |                   |                                  |             | 381.9 19.2                     | BOTTOM OF EXPLORATION 19.2 FT<br>Refusal on probable competent bedrock<br>Borehole backfilled with bentonite<br>*possible chlorinated solvent                                              |          |        |          |          |        |         |          |          |        |         |  |  |

| Water Level Data |       |                                  |                  |                |       | Sample ID                                                                                  |  | Well Diagram                                                                         |  | Summary                                                 |                     |
|------------------|-------|----------------------------------|------------------|----------------|-------|--------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|--|---------------------------------------------------------|---------------------|
| Date             | Time  | Elapsed Time (hr.)               | Depth (ft) to:   |                |       | O - Open End Rod<br>T - Thin Wall Tube<br>U - Undisturbed Sample<br>S - Split Spoon Sample |  |  |  | Overburden (ft) 19.2<br>Rock Cored (ft) 0<br>Samples 5G | Boring No. SB-12-03 |
| 10/8/2013        | 11:15 | 0.0<br>*possible slightly higher | Bottom of Casing | Bottom of Hole | Water |                                                                                            |  |                                                                                      |  |                                                         |                     |

**Field Tests:** Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

\*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Jan 31, 14

H&amp;A-TEST BORING-07-2 REV-A/PID COL-NO FT HA-LIB09-BOS\_ECG.GLB HA-TB-CORE+WELL-07-2 W FENCE.GDT G:\36492\_EAST\_STATION\022 OFFSITE OB\FIELD\GINT LOGS\2013-1106-HA-36492-022\_TB.GPJ

## TEST BORING REPORT

Boring No. SB-12-04

Project EAST STATION FORMER MGP SITE SUPPLEMENTAL RI, ROCHESTER, NY  
 Client ROCHESTER GAS & ELECTRIC CORPORATION  
 Contractor NOTHNAGLE DRILLING

File No. 36492-022  
 Sheet No. 1 of 1  
 Start October 8, 2013  
 Finish October 8, 2013  
 Driller K. Busch  
 H&A Rep. D. Keller

|                       | Casing | Sampler | Barrel | Drilling Equipment and Procedures               |
|-----------------------|--------|---------|--------|-------------------------------------------------|
| Type                  | HSA    | G       | --     | Rig Make & Model: Brainard Kilman BK81-HD Truck |
| Inside Diameter (in.) | 4      | 1 3/4   | --     | Bit Type: Cutting Head                          |
| Hammer Weight (lb)    | -      | -       | -      | Drill Mud: None                                 |
| Hammer Fall (in.)     | -      | -       | -      | Casing: HSA Spin 16.0 ft.                       |
|                       |        |         |        | Hoist/Hammer: Automatic Hammer                  |
|                       |        |         |        | PID Make & Model: MiniRAE 3000                  |

Elevation 405.3  
 Datum NYS Barge Canal  
 Location See Plan - moved  
 6 ft east of  
 proposed location

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Well Diagram | Stratum Change Elev/Depth (ft)                          | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION)                                                | Gravel Sand |        |          |          |        |         |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|--------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|----------|----------|--------|---------|
|            |                         |                         |                   |                                  |             |              |                                                         |                                                                                                                                                                                                                                           | % Coarse    | % Fine | % Coarse | % Medium | % Fine | % Fines |
| 0          | 55                      | G1<br>30                | 0.0<br>4.0        | 0.0<br>0.0<br>0.0                | SM          |              | 404.8<br>0.5<br>403.6<br>1.7                            | -ASPHALT-<br>Dark brown to black silty SAND (SM), mps 4 mm, no odor, moist with trace cinders                                                                                                                                             | 0           | 0      | 15       | 30       | 40     | 15      |
|            |                         |                         |                   |                                  |             |              |                                                         | -FILL-                                                                                                                                                                                                                                    |             |        |          |          |        |         |
| 5          | 22                      | G2<br>26                | 4.0<br>8.0        | 0.0<br>0.0<br>0.0                | SM          |              |                                                         | Brown silty SAND (SM), mps 1 mm, no odor, wet from 4.9 to 5.9 ft, then moist<br><br>Jar sample 5.2 - 5.7 ft.                                                                                                                              | 0           | 0      | 0        | 30       | 55     | 15      |
|            |                         |                         |                   |                                  |             |              |                                                         | Attempted to sample from 8.0 to 12.0 ft, no recovery (see below)                                                                                                                                                                          |             |        |          |          |        |         |
| 10         | 15                      | G3<br>0                 | 8.0<br>12.0       | 0.0                              | SC-SM       |              | 396.3<br>9.0                                            | Mottled yellow-brown and gray-brown interbedded layers of clayey SAND and silty sand (SC-SM), mps 15 mm, no odor, wet, dark brown coarse sand layer at top and bottom of deposit                                                          | 0           | 5      | 5        | 20       | 40     | 30      |
|            |                         |                         |                   |                                  |             |              |                                                         | -ALLUVIAL DEPOSITS-<br>TOP OF BEDROCK 11.3 FT                                                                                                                                                                                             |             |        |          |          |        |         |
|            | 69                      | G4<br>31                | 12.0<br>16.0      | 0.0<br>0.0<br>0.0                | CL          |              | 394.0<br>11.3<br><br>391.3<br>14.0<br><br>389.3<br>16.0 | Mottled yellow-brown gray-brown and black lean CLAY (CL), mps < 0.075, very slight petroleum-like odor, wet<br><br>-COMPLETELY WEATHERED BEDROCK-<br>Highly to completely weathered SHALE, moist<br><br>Jar sample 15.0 - 15.5 ft.        | 0           | 0      | 0        | 0        | 0      | 100     |
| 15         |                         |                         |                   |                                  |             |              |                                                         | BOTTOM OF EXPLORATION 16.0 FT                                                                                                                                                                                                             |             |        |          |          |        |         |
|            |                         |                         |                   |                                  |             |              |                                                         | Refusal on probable competent bedrock<br><br>See also "Observation Well Installation Report" for SW-12-04<br><br>Note: Moved 2 ft west of current location and obtained sample from 8.0 - 12.0 ft. Same number of blows (15) R=38 inches. |             |        |          |          |        |         |

| Water Level Data |       |                    |                  |                |       | Sample ID                                                                                  |  | Well Diagram |  | Summary             |      |
|------------------|-------|--------------------|------------------|----------------|-------|--------------------------------------------------------------------------------------------|--|--------------|--|---------------------|------|
| Date             | Time  | Elapsed Time (hr.) | Depth (ft) to:   |                |       | O - Open End Rod<br>T - Thin Wall Tube<br>U - Undisturbed Sample<br>S - Split Spoon Sample |  |              |  | Overburden (ft)     | 16.0 |
|                  |       |                    | Bottom of Casing | Bottom of Hole | Water |                                                                                            |  |              |  | Rock Cored (ft)     | 0    |
| 10/8/2013        | 13:40 | 0.25               | 12.0             | 16.0           | 11.2  |                                                                                            |  |              |  | Samples             | 4G   |
|                  |       |                    |                  |                |       |                                                                                            |  |              |  | Boring No. SB-12-04 |      |

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

\*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

## TEST BORING REPORT

Boring No. SB-12-05

Project EAST STATION FORMER MGP SITE SUPPLEMENTAL RI, ROCHESTER, NY  
 Client ROCHESTER GAS & ELECTRIC CORPORATION  
 Contractor NOTHNAGLE DRILLING

File No. 36492-022  
 Sheet No. 1 of 2  
 Start October 9, 2013  
 Finish October 9, 2013  
 Driller K. Busch  
 H&A Rep. D. Keller  
 Elevation 403.3  
 Datum NYS Barge Canal  
 Location See Plan

|                       | Casing | Sampler | Barrel | Drilling Equipment and Procedures               |
|-----------------------|--------|---------|--------|-------------------------------------------------|
| Type                  | HSA    | G       | --     | Rig Make & Model: Brainard Kilman BK81-HD Truck |
| Inside Diameter (in.) | 4      | 1 3/4   | --     | Bit Type: Cutting Head                          |
| Hammer Weight (lb)    | -      | -       | -      | Drill Mud: None                                 |
| Hammer Fall (in.)     | -      | -       | -      | Casing: HSA Spin 24.0 ft.                       |
|                       |        |         |        | Hoist/Hammer: Automatic Hammer                  |
|                       |        |         |        | PID Make & Model: MiniRAE 3000                  |

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Well Diagram | Stratum Change Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION)                                                 | Gravel Sand |        |          |          |        |         |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|--------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|----------|----------|--------|---------|
|            |                         |                         |                   |                                  |             |              |                                |                                                                                                                                                                                                                                            | % Coarse    | % Fine | % Coarse | % Medium | % Fine | % Fines |
| 0          | 44                      | G1 29                   | 0.0 4.0           | 0.0 0.0 0.0                      | SM          |              | 403.1 0.2 402.7 0.6            | -TOPSOIL-<br>-BRICK-<br>Brown silty SAND (SM), mps 22 mm, no odor, moist with trace root fibers, occasional cinder layers                                                                                                                  | 5           | 5      | 5        | 30       | 35     | 20      |
| 5          | 37                      | G2 25                   | 4.0 8.0           | 0.0 0.1 0.0                      | SP          |              | 397.8 5.5                      | -FILL-<br>Yellow-brown poorly graded SAND (SP), mps 60 mm, no odor above water table; slight petroleum-like odor below water table, moist to 9.0 ft then wet                                                                               | 5           | 5      | 5        | 30       | 50     | 5       |
| 10         | 30                      | G3 6                    | 8.0 12.0          | 0.2                              |             |              |                                | -FILL-                                                                                                                                                                                                                                     |             |        |          |          |        |         |
| 15         | 61                      | G4 37                   | 12.0 16.0         | 0.2 12.8 1.2                     | SM          |              | 391.2 12.1                     | Dark gray to black silty SAND (SM), mps 1 mm, moderate naphthalene-like odor, wet<br>No sheen from 12.0 - 16.0 ft.                                                                                                                         | 0           | 0      | 0        | 30       | 50     | 20      |
|            | 73                      | G5 13                   | 16.0 20.0         | 3.7 49.9 8.3 36.3                | CL          |              | 385.3 18.0                     | -POSSIBLE COKE BREEZE-<br>Note: Sheen, TLM bleb just above bedrock<br>TOP OF BEDROCK 18.0 FT<br>Mottled yellow-brown gray-brown and black lean CLAY (CL), mps 50 mm, slight naphthalene-like odor, moist<br>-COMPLETELY WEATHERED BEDROCK- | 5           | 0      | 0        | 0        | 0      | 95      |
| 20         |                         |                         |                   |                                  |             |              |                                |                                                                                                                                                                                                                                            |             |        |          |          |        |         |

| Water Level Data |       |                    |                  |                |       | Sample ID                                                                                  |  | Well Diagram                                                                           |  | Summary             |      |
|------------------|-------|--------------------|------------------|----------------|-------|--------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------|--|---------------------|------|
| Date             | Time  | Elapsed Time (hr.) | Depth (ft) to:   |                |       | O - Open End Rod<br>T - Thin Wall Tube<br>U - Undisturbed Sample<br>S - Split Spoon Sample |  | Riser Pipe<br>Screen<br>Filter Sand<br>Cuttings<br>Grout<br>Concrete<br>Bentonite Seal |  | Overburden (ft)     | 24.0 |
|                  |       |                    | Bottom of Casing | Bottom of Hole | Water |                                                                                            |  |                                                                                        |  | Rock Cored (ft)     | 0    |
| 10/9/2013        | 09:15 | 0.0                | 8.0              | 12.0           | 8.0   |                                                                                            |  |                                                                                        |  | Samples             | 6G   |
|                  |       |                    |                  |                |       |                                                                                            |  |                                                                                        |  | Boring No. SB-12-05 |      |

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

\*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

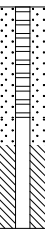
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

## TEST BORING REPORT

Boring No. SB-12-05

File No. 36492-022

Sheet No. 2 of 2

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Well Diagram                                                                      | Stratum Change Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION)                                            | Gravel   |        | Sand     |          |        |         |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|-----------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|---------|
|            |                         |                         |                   |                                  |             |                                                                                   |                                |                                                                                                                                                                                                                                       | % Coarse | % Fine | % Coarse | % Medium | % Fine | % Fines |
| 20         | 123                     | G6<br>25                | 20.0<br>22.1      | 69.9<br><br>17.3                 |             |  | 381.8<br>21.5                  | Note: Coarse sand seam 21.0 - 21.1 ft with strong naphthalene-like odor and sheen<br>Highly to completely weathered SHALE, no odor<br>-WEATHERED BEDROCK-<br>Note: Advanced borehole with augers to 24.0, no sampling to install sump |          |        |          |          |        |         |
|            |                         |                         |                   |                                  |             |                                                                                   | 379.3<br>24.0                  | BOTTOM OF EXPLORATION 24.0 FT<br><br>Refusal on probable competent bedrock<br><br>See also "Observation Well Installation Report" for SW-12-05                                                                                        |          |        |          |          |        |         |

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley &amp; Aldrich, Inc.

Boring No. SB-12-05

## TEST BORING REPORT

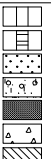
Boring No. SB-12-06

Project EAST STATION FORMER MGP SITE SUPPLEMENTAL RI, ROCHESTER, NY  
 Client ROCHESTER GAS & ELECTRIC CORPORATION  
 Contractor NOTHNAGLE DRILLING

File No. 36492-022  
 Sheet No. 1 of 2  
 Start October 7, 2013  
 Finish October 7, 2013  
 Driller K. Busch  
 H&A Rep. D. Keller  
 Elevation 421.3  
 Datum NYS Barge Canal  
 Location See Plan

|                       | Casing | Sampler | Barrel | Drilling Equipment and Procedures               |
|-----------------------|--------|---------|--------|-------------------------------------------------|
| Type                  | HSA    | G       | --     | Rig Make & Model: Brainard Kilman BK81-HD Truck |
| Inside Diameter (in.) | 4      | 1 3/4   | --     | Bit Type: Cutting Head                          |
| Hammer Weight (lb)    | -      | -       | -      | Drill Mud: None                                 |
| Hammer Fall (in.)     | -      | -       | -      | Casing: HSA Spin 34.0 ft.                       |
|                       |        |         |        | Hoist/Hammer: Automatic Hammer                  |
|                       |        |         |        | PID Make & Model: MiniRAE 3000                  |

| Depth (ft) | Sampler Blows<br>per 6 in. | Sample No.<br>& Rec. (in.) | Sample<br>Depth (ft) | PID Readings<br>(ppm)<br>(sample/bkgd) | USCS Symbol  | Well Diagram                       | Stratum<br>Change<br>Elev/Depth (ft)                                                                    | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br><br>(Density/consistency, color, GROUP NAME, max. particle size*,<br>structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        | Sand     |          |        |         |  |
|------------|----------------------------|----------------------------|----------------------|----------------------------------------|--------------|------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|---------|--|
|            |                            |                            |                      |                                        |              |                                    |                                                                                                         |                                                                                                                                                                                                   | % Coarse | % Fine | % Coarse | % Medium | % Fine | % Fines |  |
| 0          |                            | G1<br>28                   | 0.0<br>4.0           | 0.0                                    | SM           |                                    |                                                                                                         | Brown silty SAND (SM), mps 30 mm, no odor, moist, with brick layer from 4.0 to 4.2 ft and ash-/cinder-like layer from 4.2 to 5.5 ft                                                               | 5        | 5      | 10       | 25       | 40     | 15      |  |
|            |                            |                            |                      | 0.0<br>0.0                             |              |                                    |                                                                                                         | -FILL-                                                                                                                                                                                            |          |        |          |          |        |         |  |
|            |                            | G2<br>21                   | 4.0<br>8.0           | 0.0<br>0.0<br>0.0                      |              |                                    |                                                                                                         |                                                                                                                                                                                                   |          |        |          |          |        |         |  |
| 5          |                            |                            |                      |                                        |              |                                    |                                                                                                         |                                                                                                                                                                                                   |          |        |          |          |        |         |  |
|            |                            | G3<br>36                   | 8.0<br>12.0          | 0.0<br>0.0                             | SM           |                                    | 412.2<br>9.1                                                                                            | Brown silty SAND (SM), mps 3 mm, no odor, moist                                                                                                                                                   | 0        | 0      | 5        | 30       | 45     | 20      |  |
|            |                            |                            |                      | 0.0<br>0.0                             |              |                                    |                                                                                                         |                                                                                                                                                                                                   |          |        |          |          |        |         |  |
| 10         |                            | G4<br>35                   | 12.0<br>16.0         | 21.1<br>1.7<br>5.7<br>27.5             | SM<br><br>CL | 409.3<br>12.0<br><br>407.6<br>13.7 | Gray silty SAND (SM), mps 3 mm, moderate petroleum-like odor, wet<br>Note: appears to be perched water. | 0                                                                                                                                                                                                 | 0        | 5      | 30       | 45       | 20     |         |  |
|            |                            |                            |                      |                                        |              |                                    |                                                                                                         | Mottled yellow-brown gray-brown and black lean CLAY (CL), mps 15 mm, slight petroleum-like odor, moist                                                                                            |          |        |          |          |        |         |  |
| 15         |                            |                            |                      |                                        |              |                                    |                                                                                                         | -REWORKED WEATHERED BEDROCK/FILL-                                                                                                                                                                 |          |        |          |          |        |         |  |
|            |                            | G5<br>9                    | 16.0<br>20.0         | 9.5                                    |              |                                    |                                                                                                         |                                                                                                                                                                                                   |          |        |          |          |        |         |  |
| 20         |                            |                            |                      |                                        |              |                                    |                                                                                                         |                                                                                                                                                                                                   |          |        |          |          |        |         |  |

| Water Level Data |       |                    |                  |                |       | Sample ID                                                                                  |  | Well Diagram                                                                         |  | Summary         |          |
|------------------|-------|--------------------|------------------|----------------|-------|--------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|--|-----------------|----------|
| Date             | Time  | Elapsed Time (hr.) | Depth (ft) to:   |                |       | O - Open End Rod<br>T - Thin Wall Tube<br>U - Undisturbed Sample<br>S - Split Spoon Sample |  |  |  | Overburden (ft) | 34.0     |
|                  |       |                    | Bottom of Casing | Bottom of Hole | Water |                                                                                            |  |                                                                                      |  | Rock Cored (ft) | 0        |
| 10/7/2013        | 09:45 | 0.0                | 20.0             | 24.0           | 20.5  |                                                                                            |  |                                                                                      |  | Samples         | 9G       |
|                  |       |                    |                  |                |       |                                                                                            |  |                                                                                      |  | Boring No.      | SB-12-06 |

**Field Tests:** Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

\*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

## TEST BORING REPORT

Boring No. SB-12-06

File No. 36492-022

Sheet No. 2 of 2

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Well Diagram | Stratum Change Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION)                                                                  | Gravel   |        | Sand     |          |        |    |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|--------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|----|
|            |                         |                         |                   |                                  |             |              |                                |                                                                                                                                                                                                                                                             | % Coarse | % Fine | % Coarse | % Medium | % Fine |    |
| 20         |                         | G6<br>48                | 20.0<br>24.0      | 0.3<br>0.1                       | SM          |              | 400.8<br>20.5                  | Dark gray silty SAND (SM), mps 1 mm, no odor, wet                                                                                                                                                                                                           | 0        | 0      | 0        | 35       | 45     | 20 |
|            |                         |                         |                   | 0.0                              |             |              |                                | -ALLUVIAL DEPOSITS-                                                                                                                                                                                                                                         |          |        |          |          |        |    |
|            |                         |                         |                   | 0.0                              |             |              |                                |                                                                                                                                                                                                                                                             |          |        |          |          |        |    |
|            |                         |                         |                   | 0.0                              |             |              |                                |                                                                                                                                                                                                                                                             |          |        |          |          |        |    |
|            |                         | G7<br>17                | 24.0<br>28.0      | 5.8                              | SM          |              | 397.0<br>24.3                  | Black silty SAND (SM), mps 1 mm, slight naphthalene-like odor, wet, with sheen, heavily stained, occasional layers with coarse sand                                                                                                                         | 0        | 0      | 10       | 30       | 40     | 20 |
|            |                         |                         |                   | 10.7                             |             |              |                                |                                                                                                                                                                                                                                                             |          |        |          |          |        |    |
|            |                         |                         |                   | 0.6                              |             |              |                                |                                                                                                                                                                                                                                                             |          |        |          |          |        |    |
|            |                         | G8<br>42                | 28.0<br>32.0      | 3.7<br>0.3                       |             |              |                                |                                                                                                                                                                                                                                                             |          |        |          |          |        |    |
|            |                         |                         |                   | 0.2                              | SM          |              |                                | Black silty SAND (SM), mps 1 mm, slight naphthalene-like odor, wet, with sheen, heavily stained, occasional layers with coarse sand                                                                                                                         | 0        | 0      | 10       | 30       | 40     | 20 |
|            |                         |                         |                   |                                  |             |              |                                | -ALLUVIAL DEPOSITS-                                                                                                                                                                                                                                         |          |        |          |          |        |    |
|            |                         |                         |                   |                                  |             |              |                                | TOP OF BEDROCK 32.0 FT                                                                                                                                                                                                                                      |          |        |          |          |        |    |
|            |                         | G9<br>8                 | 32.0<br>33.7      | 0.0                              |             |              | 389.3<br>32.0                  | Completely to highly weathered SHALE                                                                                                                                                                                                                        |          |        |          |          |        |    |
|            |                         |                         |                   |                                  |             |              |                                | -WEATHERED BEDROCK-                                                                                                                                                                                                                                         |          |        |          |          |        |    |
|            |                         |                         |                   |                                  |             |              | 387.3<br>34.0                  | BOTTOM OF EXPLORATION 34.0 FT                                                                                                                                                                                                                               |          |        |          |          |        |    |
|            |                         |                         |                   |                                  |             |              |                                | Notes:<br>1. Sampler refusal at 33.7 ft on probable competent bedrock.<br>2. Advanced borehole with augers to 34.0 ft without sampling to allow for sump/silt trap installation in the well.<br>3. See also "Observation Well Installation Report" SW-12-06 |          |        |          |          |        |    |

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley &amp; Aldrich, Inc.

Boring No. SB-12-06

## TEST BORING REPORT

Boring No. SB-12-07

Project EAST STATION FORMER MGP SITE SUPPLEMENTAL RI, ROCHESTER, NY  
 Client ROCHESTER GAS & ELECTRIC CORPORATION  
 Contractor NOTHNAGLE DRILLING

File No. 36492-022  
 Sheet No. 1 of 2  
 Start October 4, 2013  
 Finish October 4, 2013  
 Driller K. Busch  
 H&A Rep. D. Keller  
 Elevation 414.8  
 Datum NYS Barge Canal  
 Location See Plan

|                       | Casing | Sampler | Barrel | Drilling Equipment and Procedures               |
|-----------------------|--------|---------|--------|-------------------------------------------------|
| Type                  | -      | G       | --     | Rig Make & Model: Brainard Kilman BK81-HD Truck |
| Inside Diameter (in.) | -      | 1 3/4   | --     | Bit Type:                                       |
| Hammer Weight (lb)    | -      | -       | -      | Drill Mud: None                                 |
| Hammer Fall (in.)     | -      | -       | -      | Casing: N/A                                     |
|                       |        |         |        | Hoist/Hammer: Automatic Hammer                  |
|                       |        |         |        | PID Make & Model: MiniRAE 3000                  |

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Stratum Change Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        |          |          |        |         | Sand |  |  |  | % Fines |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|---------|------|--|--|--|---------|
|            |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                            | % Coarse | % Fine | % Coarse | % Medium | % Fine | % Fines |      |  |  |  |         |
| 0          |                         | G1<br>22                | 0.0<br>4.0        | 0.0                              | SM          |                                | Dark brown to brown silty SAND (SM), mps 35 mm, no odor, moist with brick particles, concrete fragments, occasional cinder-like layers                                                     | 5        | 5      | 10       | 25       | 35     | 20      |      |  |  |  |         |
| 5          |                         | G2<br>23                | 4.0<br>8.0        | 0.0<br>0.0<br>0.0                |             |                                | -FILL-                                                                                                                                                                                     |          |        |          |          |        |         |      |  |  |  |         |
| 10         |                         | G3<br>22                | 8.0<br>12.0       | 0.0<br>0.6                       |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |  |  |  |         |
| 15         |                         | G4<br>38                | 12.0<br>16.0      | 0.0<br>12.5<br>0.6<br>1.7        | SM          | 401.9<br>12.9                  | Black silty SAND (SM), mps 0.8 mm, moderate naphthalene-like odor, wet from 13.0 ft, moderately stained                                                                                    | 0        | 0      | 0        | 30       | 50     | 20      |      |  |  |  |         |
|            |                         |                         |                   |                                  |             |                                | -ALLUVIAL DEPOSITS-                                                                                                                                                                        |          |        |          |          |        |         |      |  |  |  |         |
|            |                         |                         |                   |                                  |             |                                | TOP OF BEDROCK 16.5 FT                                                                                                                                                                     |          |        |          |          |        |         |      |  |  |  |         |
|            |                         | G5<br>11                | 16.0<br>20.0      | 0.0<br>0.0                       |             | 398.3<br>16.5                  | Highly to completely weathered SHALE, some black streaks in rock, no odor                                                                                                                  |          |        |          |          |        |         |      |  |  |  |         |
| 20         |                         |                         |                   |                                  |             |                                | -WEATHERED BEDROCK-                                                                                                                                                                        |          |        |          |          |        |         |      |  |  |  |         |

| Water Level Data |       |                    |                |                  |                | Sample ID                                                                                  |  | Well Diagram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Summary                                                 |                     |
|------------------|-------|--------------------|----------------|------------------|----------------|--------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------|---------------------|
| Date             | Time  | Elapsed Time (hr.) | Depth (ft) to: |                  |                | O - Open End Rod<br>T - Thin Wall Tube<br>U - Undisturbed Sample<br>S - Split Spoon Sample |  |  Riser Pipe<br> Screen<br> Filter Sand<br> Cuttings<br> Grout<br> Concrete<br> Bentonite Seal |  | Overburden (ft) 24.5<br>Rock Cored (ft) 0<br>Samples 7G | Boring No. SB-12-07 |
| 10/4/2013        | 14:15 | 0.0                | N/A            | Bottom of Casing | Bottom of Hole |                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                         |                     |

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

\*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

## TEST BORING REPORT

Boring No. SB-12-07

File No. 36492-022  
Sheet No. 2 of 2

| Depth (ft) | Sampler Blows<br>per 6 in. | Sample No.<br>& Rec. (in.) | Sample<br>Depth (ft) | PID Readings<br>(ppm)<br>(sample/bkgd) | USCS Symbol | Stratum<br>Change<br>Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br><br>(Density/consistency, color, GROUP NAME, max. particle size*,<br>structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        | Sand     |          |        |
|------------|----------------------------|----------------------------|----------------------|----------------------------------------|-------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|
|            |                            |                            |                      |                                        |             |                                      |                                                                                                                                                                                                   | % Coarse | % Fine | % Coarse | % Medium | % Fine |
| 20         |                            | G6<br>10                   | 20.0<br>24.0         | 0.0                                    |             | 390.3<br>24.5                        |                                                                                                                                                                                                   |          |        |          |          |        |
|            |                            | G7<br>6                    | 24.0<br>24.5         |                                        |             |                                      |                                                                                                                                                                                                   |          |        |          |          |        |
|            |                            |                            |                      |                                        |             |                                      | BOTTOM OF EXPLORATION 24.5 FT                                                                                                                                                                     |          |        |          |          |        |
|            |                            |                            |                      |                                        |             |                                      | Refusal on probable competent bedrock                                                                                                                                                             |          |        |          |          |        |
|            |                            |                            |                      |                                        |             |                                      | Borehole backfilled with bentonite                                                                                                                                                                |          |        |          |          |        |

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley &amp; Aldrich, Inc.

Boring No. SB-12-07

## TEST BORING REPORT

Boring No. SB-12-08

Project EAST STATION FORMER MGP SITE SUPPLEMENTAL RI, ROCHESTER, NY  
 Client ROCHESTER GAS & ELECTRIC CORPORATION  
 Contractor NOTHNAGLE DRILLING

File No. 36492-022  
 Sheet No. 1 of 2  
 Start October 4, 2013  
 Finish October 4, 2013  
 Driller K. Busch  
 H&A Rep. D. Keller

|                       | Casing | Sampler | Barrel | Drilling Equipment and Procedures |
|-----------------------|--------|---------|--------|-----------------------------------|
| Type                  | -      | G       | --     | Rig Make & Model:                 |
| Inside Diameter (in.) | -      | 1 3/4   | --     | Bit Type:                         |
| Hammer Weight (lb)    | -      | -       | -      | Drill Mud: None                   |
| Hammer Fall (in.)     | -      | -       | -      | Casing: N/A                       |
|                       |        |         |        | Hoist/Hammer: Automatic Hammer    |
|                       |        |         |        | PID Make & Model: MiniRAE 3000    |

Elevation 418.4  
 Datum NYS Barge Canal  
 Location See Plan - 14 ft south

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Stratum Change Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        |          |          |        |         | Sand     |          |        |         | % Fines |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|---------|----------|----------|--------|---------|---------|
|            |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                            | % Coarse | % Fine | % Coarse | % Medium | % Fine | % Fines | % Coarse | % Medium | % Fine | % Fines |         |
| 0          |                         | G1<br>23                | 0.0<br>4.0        | 0.0                              | SM          |                                | Brown silty SAND (SM), mps 25 mm, no odor, moist with brick particles, occasional cinder-like layers                                                                                       | 5        | 5      | 15       | 25       | 35     | 15      |          |          |        |         |         |
|            |                         |                         |                   | 0.0                              |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |          |          |        |         |         |
|            |                         | G2<br>25                | 4.0<br>8.0        | 0.0                              |             |                                | -FILL-                                                                                                                                                                                     |          |        |          |          |        |         |          |          |        |         |         |
| 5          |                         |                         |                   | 0.0                              |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |          |          |        |         |         |
|            |                         | G3<br>15                | 8.0<br>12.0       | 0.0                              |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |          |          |        |         |         |
| 10         |                         |                         |                   | 0.0                              |             |                                | Jar of cinder-like material collected                                                                                                                                                      |          |        |          |          |        |         |          |          |        |         |         |
|            |                         | G4<br>17                | 12.0<br>16.0      | 0.0                              | SM          | 406.4<br>12.0                  | Gray-brown silty SAND (SM), mps 0.5 mm, no odor, wet 12.0 - 12.6 ft, moist 12.6 - 16.0 ft, occasional clayey layers                                                                        | 0        | 0      | 0        | 15       | 50     | 35      |          |          |        |         |         |
|            |                         |                         |                   | 0.0                              |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |          |          |        |         |         |
| 15         |                         |                         |                   |                                  |             |                                | -ALLUVIAL DEPOSITS-                                                                                                                                                                        |          |        |          |          |        |         |          |          |        |         |         |
|            |                         | G5<br>21                | 16.0<br>20.0      | 0.0                              |             |                                | Color change to black with moderate naphthalene-like odor                                                                                                                                  |          |        |          |          |        |         |          |          |        |         |         |
|            |                         |                         |                   |                                  | SP-SM       | 401.4<br>17.0                  | Black poorly graded SAND with silt (SP-SM), mps 4 mm, moderate naphthalene-like odor, wet, heavily stained with sheen                                                                      | 0        | 0      | 20       | 40       | 30     | 10      |          |          |        |         |         |
| 20         |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |          |          |        |         |         |

| Water Level Data |       |                    |                  |                |       | Sample ID                                                                                  |  | Well Diagram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | Summary                                                 |                     |
|------------------|-------|--------------------|------------------|----------------|-------|--------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------|---------------------|
| Date             | Time  | Elapsed Time (hr.) | Depth (ft) to:   |                |       | O - Open End Rod<br>T - Thin Wall Tube<br>U - Undisturbed Sample<br>S - Split Spoon Sample |  |  Riser Pipe<br> Screen<br> Filter Sand<br> Cuttings<br> Grout<br> Concrete<br> Bentonite Seal |  | Overburden (ft) 27.7<br>Rock Cored (ft) 0<br>Samples 7G | Boring No. SB-12-08 |
| 10/4/2013        | 12:45 | 0.0                | Bottom of Casing | Bottom of Hole | Water |                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                         |                     |
|                  |       |                    | N/A              | 20.0           | 16.0  |                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                         |                     |

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

\*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.  
 Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

## TEST BORING REPORT

Boring No. SB-12-08

File No. 36492-022

Sheet No. 2 of 2

H&A-TEST BORING-07-2 REV-W/PID COL-NO FT HA-LIB09-BOS\_ECG.GLB HA-TB-CORE+WELL-07-2 W FENCE.GDT G\36482\_EAST\_STATION022 OFFSITE OBIFIELD\GINT LOGS\2013-1106-HA-36492-022\_TB.GPJ Jan 31, 14

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Stratum Change Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        | Sand     |          |        |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|
|            |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                            | % Coarse | % Fine | % Coarse | % Medium | % Fine |
| 20         |                         | G6<br>28                | 20.0<br>24.0      | 2.4                              |             |                                |                                                                                                                                                                                            |          |        |          |          |        |
|            |                         |                         |                   | 10.0                             |             |                                |                                                                                                                                                                                            |          |        |          |          |        |
|            |                         |                         |                   | 30.1                             |             |                                |                                                                                                                                                                                            |          |        |          |          |        |
|            |                         |                         |                   |                                  |             | 394.4                          | TOP OF BEDROCK 24.0                                                                                                                                                                        |          |        |          |          |        |
|            |                         | G7<br>15                | 24.0<br>27.7      | 21.8                             |             | 24.0                           | Moderately weathered highly fractured SHALE, stained, slight naphthalene-like odor.                                                                                                        |          |        |          |          |        |
| 25         |                         |                         |                   |                                  |             |                                | -WEATHERED BEDROCK-                                                                                                                                                                        |          |        |          |          |        |
|            |                         |                         |                   |                                  |             | 390.7                          | BOTTOM OF EXPLORATION 27.7 FT                                                                                                                                                              |          |        |          |          |        |
|            |                         |                         |                   |                                  |             | 27.7                           | Refusal on probable competent bedrock.<br><br>Borehole backfilled with bentonite.                                                                                                          |          |        |          |          |        |

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley &amp; Aldrich, Inc.

Boring No. SB-12-08

## TEST BORING REPORT

Boring No. SB-12-09

Project EAST STATION FORMER MGP SITE SUPPLEMENTAL RI, ROCHESTER, NY  
 Client ROCHESTER GAS & ELECTRIC CORPORATION  
 Contractor NOTHNAGLE DRILLING

File No. 36492-022  
 Sheet No. 1 of 1  
 Start October 3, 2013  
 Finish October 3, 2013  
 Driller K. Busch  
 H&A Rep. D. Keller  
 Elevation 402.8  
 Datum NYS Barge Canal  
 Location See Plan

|                       | Casing | Sampler | Barrel | Drilling Equipment and Procedures               |
|-----------------------|--------|---------|--------|-------------------------------------------------|
| Type                  | -      | G       | --     | Rig Make & Model: Brainard Kilman BK81-HD Truck |
| Inside Diameter (in.) | -      | 1 3/4   | --     | Bit Type:                                       |
| Hammer Weight (lb)    | -      | -       | -      | Drill Mud: None                                 |
| Hammer Fall (in.)     | -      | -       | -      | Casing: N/A                                     |
|                       |        |         |        | Hoist/Hammer: Automatic Hammer                  |
|                       |        |         |        | PID Make & Model: MiniRAE 3000                  |

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Stratum Change Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        |          |          |        |         | Sand |  |  |  | % Fines |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|---------|------|--|--|--|---------|
|            |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                            | % Coarse | % Fine | % Coarse | % Medium | % Fine | % Fines |      |  |  |  |         |
| 0          |                         | G1 39                   | 0.0<br>4.0        | 1.4                              |             | 401.8                          | -TOPSOIL-                                                                                                                                                                                  |          |        |          |          |        |         |      |  |  |  |         |
|            |                         |                         |                   | 1.3                              | SM          | 1.0                            | Brown silty SAND (SM), mps 25 mm, no odor, moist                                                                                                                                           | 5        | 5      | 5        | 15       | 45     | 25      |      |  |  |  |         |
|            |                         |                         |                   | 0.7                              |             |                                | -FILL-                                                                                                                                                                                     |          |        |          |          |        |         |      |  |  |  |         |
| 5          |                         | G2 3                    | 4.0<br>8.0        | 1.5                              |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |  |  |  |         |
|            |                         | G3 24                   | 8.0<br>11.0       | 107.1                            | SM          | 394.8<br>8.0                   | Dark gray to black silty SAND (SM), mps 3 mm, strong petroleum-like odor (same as SB-12-10) wet, heavy staining. Sheen on water before emptying tube                                       | 0        | 0      | 5        | 5        | 50     | 40      |      |  |  |  |         |
|            |                         |                         |                   | 7.4                              |             |                                | -PROBABLE FILL-                                                                                                                                                                            |          |        |          |          |        |         |      |  |  |  |         |
| 10         |                         |                         |                   |                                  |             | 391.9<br>10.9<br>391.8<br>11.0 | TOP OF BEDROCK 10.9 FT                                                                                                                                                                     |          |        |          |          |        |         |      |  |  |  |         |
|            |                         |                         |                   |                                  |             |                                | Note: Weathered bedrock in tip of sample                                                                                                                                                   |          |        |          |          |        |         |      |  |  |  |         |
|            |                         |                         |                   |                                  |             |                                | BOTTOM OF EXPLORATION 11.0 FT                                                                                                                                                              |          |        |          |          |        |         |      |  |  |  |         |
|            |                         |                         |                   |                                  |             |                                | Refusal on probable competent bedrock.                                                                                                                                                     |          |        |          |          |        |         |      |  |  |  |         |
|            |                         |                         |                   |                                  |             |                                | Borehole backfilled with bentonite.                                                                                                                                                        |          |        |          |          |        |         |      |  |  |  |         |

| Water Level Data |       |                    |                  |                |       | Sample ID                                                                                  |  | Well Diagram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Summary                                                 |                     |
|------------------|-------|--------------------|------------------|----------------|-------|--------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------|---------------------|
| Date             | Time  | Elapsed Time (hr.) | Depth (ft) to:   |                |       | O - Open End Rod<br>T - Thin Wall Tube<br>U - Undisturbed Sample<br>S - Split Spoon Sample |  |  Riser Pipe<br> Screen<br> Filter Sand<br> Cuttings<br> Grout<br> Concrete<br> Bentonite Seal |  | Overburden (ft) 11.0<br>Rock Cored (ft) 0<br>Samples 3G | Boring No. SB-12-09 |
| 10/3/2013        | 14:40 | 0.0                | Bottom of Casing | Bottom of Hole | Water |                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                         |                     |
|                  |       |                    | N/A              | 11.0           | 8.0   |                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                         |                     |

**Field Tests:** Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

\*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Jan 31, 14

H&amp;A-TEST BORING-07-2 REV-A/PID COL-NO FT HA-LIB09-BOS\_ECG.GLB HA-TB-CORE+WELL-07-2 W FENCE.GDT G:\36492\_EAST\_STATION\022 OFFSITE OB\FIELD\GINT LOGS\2013-1106-HA-36492-022\_TB.GPJ

## TEST BORING REPORT

Boring No. SB-12-10

Project EAST STATION FORMER MGP SITE SUPPLEMENTAL RI, ROCHESTER, NY  
 Client ROCHESTER GAS & ELECTRIC CORPORATION  
 Contractor NOTHNAGLE DRILLING

File No. 36492-022  
 Sheet No. 1 of 1  
 Start October 4, 2013  
 Finish October 4, 2013  
 Driller K. Busch  
 H&A Rep. D. Keller  
 Elevation 401.4  
 Datum NYS Barge Canal  
 Location See Plan

|                       | Casing | Sampler | Barrel | Drilling Equipment and Procedures               |
|-----------------------|--------|---------|--------|-------------------------------------------------|
| Type                  | HSA    | G       | --     | Rig Make & Model: Brainard Kilman BK81-HD Truck |
| Inside Diameter (in.) | 4      | 1 3/4   | --     | Bit Type: Cutting Head                          |
| Hammer Weight (lb)    | -      | -       | -      | Drill Mud: None                                 |
| Hammer Fall (in.)     | -      | -       | -      | Casing: HSA Spin 16.0 ft.                       |
|                       |        |         |        | Hoist/Hammer: Automatic Hammer                  |
|                       |        |         |        | PID Make & Model: MiniRAE 3000                  |

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Well Diagram | Stratum Change Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        | Sand     |          |        | % Fines |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|--------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|---------|
|            |                         |                         |                   |                                  |             |              |                                |                                                                                                                                                                                            | % Coarse | % Fine | % Coarse | % Medium | % Fine |         |
| 0          |                         | G1 27                   | 0.0<br>4.0        | 0.0                              | SC          |              | 401.1<br>0.3                   | -CONCRETE-<br>Brown clayey SAND with gravel (SC), mps 30 mm, no odor, moist with brick particles                                                                                           | 5        | 10     | 10       | 15       | 40     | 20      |
|            |                         |                         |                   | 0.0                              |             |              |                                | -FILL-                                                                                                                                                                                     |          |        |          |          |        |         |
| 5          |                         | G2 31                   | 4.0<br>8.0        | 0.0<br>0.0<br>104.5              | SP          |              | 396.9<br>4.5                   | Brown poorly graded SAND (SP), mps 0.7 mm, no odor, moist to 5.9 ft, then wet, trace root fibers                                                                                           | 0        | 0      | 0        | 60       | 35     | 5       |
|            |                         |                         |                   | 193.4                            | SP          |              | 395.0<br>6.4                   | -PROBABLE FILL-<br>Gray to black poorly graded SAND (SP), mps 0.7 mm, strong petroleum-like odor, wet, heavy staining, no sheen in sample                                                  | 0        | 0      | 0        | 60       | 35     | 5       |
| 10         |                         | G3 25                   | 8.0<br>12.0       | 313.7<br>7.9<br>55.3             |             |              | 391.9<br>9.5                   | TOP OF BEDROCK 9.5 FT<br>Moderately to highly weathered SHALE                                                                                                                              |          |        |          |          |        |         |
|            |                         |                         |                   |                                  |             |              |                                | -WEATHERED BEDROCK-                                                                                                                                                                        |          |        |          |          |        |         |
|            |                         | G4 16                   | 12.0<br>16.0      | 4.0                              |             |              |                                | Fractured rock zone from 12.0 - 14.4 ft                                                                                                                                                    |          |        |          |          |        |         |
| 15         |                         |                         |                   | 4.3                              |             |              |                                | Bottom of fractured zone unclear due to poor recovery                                                                                                                                      |          |        |          |          |        |         |
|            |                         | G5 26                   | 16.0<br>18.5      | 0.7                              |             |              |                                | Highly to completely weathered SHALE                                                                                                                                                       |          |        |          |          |        |         |
|            |                         |                         |                   | 0.0                              |             |              | 382.9<br>18.5                  | BOTTOM OF EXPLORATION 18.5 FT<br>Refusal on probable competent bedrock.<br>See also "Observation Well Installation Report" SW-12-10                                                        |          |        |          |          |        |         |

| Water Level Data |       |                    |                  |                |       | Sample ID                                                                                  | Well Diagram | Summary                    |
|------------------|-------|--------------------|------------------|----------------|-------|--------------------------------------------------------------------------------------------|--------------|----------------------------|
| Date             | Time  | Elapsed Time (hr.) | Depth (ft) to:   |                |       | O - Open End Rod<br>T - Thin Wall Tube<br>U - Undisturbed Sample<br>S - Split Spoon Sample |              | Overburden (ft)            |
|                  |       |                    | Bottom of Casing | Bottom of Hole | Water |                                                                                            |              | Rock Cored (ft)            |
| 10/4/2013        | 08:45 | 0.0                | 4.0              | 8.0            | 5.9   |                                                                                            |              | Samples 5G                 |
|                  |       |                    |                  |                |       |                                                                                            |              | <b>Boring No. SB-12-10</b> |

**Field Tests:** Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

\*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Jan 31, 14

H:\TEST BORING-07-2 REV\W\PID COL-NO FT HA-TB-CORE+WELL-07-2 W FENCE.GDT G:\36492-EAST-STATION022 OFFSITE OB\FIELD\GINT LOGS\2013-1106-HA-36492-022\_TB.GPJ

## TEST BORING REPORT

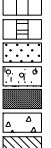
Boring No. SB-12-11

Project EAST STATION FORMER MGP SITE SUPPLEMENTAL RI, ROCHESTER, NY  
 Client ROCHESTER GAS & ELECTRIC CORPORATION  
 Contractor NOTHNAGLE DRILLING

File No. 36492-022  
 Sheet No. 1 of 2  
 Start October 3, 2013  
 Finish October 3, 2013  
 Driller K. Busch  
 H&A Rep. D. Keller  
 Elevation 401.4  
 Datum NYS Barge Canal  
 Location See Plan

|                       | Casing | Sampler | Barrel | Drilling Equipment and Procedures               |
|-----------------------|--------|---------|--------|-------------------------------------------------|
| Type                  | -      | G       | --     | Rig Make & Model: Brainard Kilman BK81-HD Truck |
| Inside Diameter (in.) | -      | 1 3/4   | --     | Bit Type:                                       |
| Hammer Weight (lb)    | -      | -       | -      | Drill Mud: None                                 |
| Hammer Fall (in.)     | -      | -       | -      | Casing: N/A                                     |
|                       |        |         |        | Hoist/Hammer: Automatic Hammer                  |
|                       |        |         |        | PID Make & Model: MiniRAE 3000                  |

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Stratum Change Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        |          |          |        |         | Sand |  |  |  | % Fines |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|---------|------|--|--|--|---------|
|            |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                            | % Coarse | % Fine | % Coarse | % Medium | % Fine | % Fines |      |  |  |  |         |
| 0          | no jar                  | G1 24                   | 0.0<br>4.0        | 1.5                              | SM          |                                | Brown silty SAND (SM), mps 17 mm, no odor, moist to 8.5 ft, then wet, occasional brick layers, black layer at 10.6 - 10.7 ft with slight burned odor                                       | 0        | 5      | 5        | 15       | 50     | 25      |      |  |  |  |         |
|            |                         |                         |                   | 11.0                             |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |  |  |  |         |
|            | jar                     | G2 36                   | 4.0<br>8.0        | 4.1                              |             |                                | -FILL-                                                                                                                                                                                     |          |        |          |          |        |         |      |  |  |  |         |
| 5          |                         |                         |                   | 2.8                              |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |  |  |  |         |
|            |                         |                         |                   | 5.5                              |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |  |  |  |         |
|            | jar *                   | G3 29                   | 8.0<br>12.0       | 4.1                              |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |  |  |  |         |
| 10         |                         |                         |                   | 6.0                              |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |  |  |  |         |
|            |                         |                         |                   | 0.0                              |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |  |  |  |         |
|            |                         |                         |                   |                                  |             |                                | * of "burned" layer                                                                                                                                                                        |          |        |          |          |        |         |      |  |  |  |         |
|            | jar **                  | G4 28                   | 12.0<br>16.0      | 3.9                              |             | 388.7<br>12.7                  | TOP OF BEDROCK 12.7 FT                                                                                                                                                                     |          |        |          |          |        |         |      |  |  |  |         |
|            |                         |                         |                   |                                  |             |                                | Moderately to completely weathered SHALE                                                                                                                                                   |          |        |          |          |        |         |      |  |  |  |         |
|            |                         |                         |                   | 1.5                              |             |                                | -WEATHERED BEDROCK-                                                                                                                                                                        |          |        |          |          |        |         |      |  |  |  |         |
| 15         |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |  |  |  |         |
|            | jar **                  | G5 24                   | 16.0<br>20.0      | 0.3                              |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |  |  |  |         |
|            |                         |                         |                   | 0.2                              |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |  |  |  |         |
|            |                         |                         |                   |                                  |             |                                | ** combine jar of weathered bedrock from G4 and G5                                                                                                                                         |          |        |          |          |        |         |      |  |  |  |         |
| 20         |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |  |  |  |         |

| Water Level Data |       |                    |                  |                |       | Sample ID                                                                                  |  | Well Diagram                                                                         |  | Summary                                                 |                     |
|------------------|-------|--------------------|------------------|----------------|-------|--------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|--|---------------------------------------------------------|---------------------|
| Date             | Time  | Elapsed Time (hr.) | Depth (ft) to:   |                |       | O - Open End Rod<br>T - Thin Wall Tube<br>U - Undisturbed Sample<br>S - Split Spoon Sample |  |  |  | Overburden (ft) 22.5<br>Rock Cored (ft) 0<br>Samples 6G | Boring No. SB-12-11 |
|                  |       |                    | Bottom of Casing | Bottom of Hole | Water |                                                                                            |  |                                                                                      |  |                                                         |                     |
| 10/3/2013        | 12:45 | 0.0                | N/A              | 12.0           | 8.5   |                                                                                            |  |                                                                                      |  |                                                         |                     |

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

\*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

## TEST BORING REPORT

Boring No. SB-12-11

File No. 36492-022  
Sheet No. 2 of 2

| Depth (ft) | Sampler Blows<br>per 6 in. | Sample No.<br>& Rec. (in.) | Sample<br>Depth (ft) | PID Readings<br>(ppm)<br>(sample/bkgd) | USCS Symbol | Stratum<br>Change<br>Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br><br>(Density/consistency, color, GROUP NAME, max. particle size*,<br>structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        | Sand     |          |        |
|------------|----------------------------|----------------------------|----------------------|----------------------------------------|-------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|
|            |                            |                            |                      |                                        |             |                                      |                                                                                                                                                                                                   | % Coarse | % Fine | % Coarse | % Medium | % Fine |
| 20         |                            | G6<br>0                    | 20.0<br>22.5         |                                        |             | 378.9<br>22.5                        |                                                                                                                                                                                                   |          |        |          |          |        |
|            |                            |                            |                      |                                        |             |                                      | BOTTOM OF EXPLORATION 22.5 FT                                                                                                                                                                     |          |        |          |          |        |
|            |                            |                            |                      |                                        |             |                                      | Refusal on probable competent bedrock.                                                                                                                                                            |          |        |          |          |        |
|            |                            |                            |                      |                                        |             |                                      | Borehole backfilled with bentonite.                                                                                                                                                               |          |        |          |          |        |

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley &amp; Aldrich, Inc.

Boring No. SB-12-11

## TEST BORING REPORT

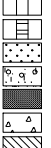
Boring No. SB-12-12

Project EAST STATION FORMER MGP SITE SUPPLEMENTAL RI, ROCHESTER, NY  
 Client ROCHESTER GAS & ELECTRIC CORPORATION  
 Contractor NOTHNAGLE DRILLING

File No. 36492-022  
 Sheet No. 1 of 2  
 Start October 2, 2013  
 Finish October 2, 2013  
 Driller K. Busch  
 H&A Rep. D. Keller  
 Elevation 401.4  
 Datum NYS Barge Canal  
 Location See Plan - moved west of proposed location

|                       | Casing | Sampler | Barrel | Drilling Equipment and Procedures |  |
|-----------------------|--------|---------|--------|-----------------------------------|--|
| Type                  | None   | G       | --     | Rig Make & Model:                 |  |
| Inside Diameter (in.) | -      | 1 3/4   | --     | Bit Type:                         |  |
| Hammer Weight (lb)    | -      | -       | -      | Drill Mud: None                   |  |
| Hammer Fall (in.)     | -      | -       | -      | Casing: N/A                       |  |
|                       |        |         |        | Hoist/Hammer: Automatic Hammer    |  |
|                       |        |         |        | PID Make & Model: MiniRAE 3000    |  |

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Stratum Change Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel Sand |        |          |          |        |         |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|----------|----------|--------|---------|
|            |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                            | % Coarse    | % Fine | % Coarse | % Medium | % Fine | % Fines |
| 0          |                         | G1 30                   | 0.0<br>4.0        |                                  | SM          | 401.1<br>0.3                   | -TOPSOIL-<br>Light brown silty SAND (SM), mps 25 mm, no odor, dry                                                                                                                          | 5           | 5      | 5        | 25       | 35     | 25      |
|            |                         |                         |                   |                                  |             | 399.9<br>1.5                   | -SUBSOIL-                                                                                                                                                                                  |             |        |          |          |        |         |
| 5          |                         | G2 18                   | 4.0<br>8.0        |                                  | SM          |                                | Dark brown silty SAND (SM), mps 50 mm, no odor, dry to 9.0 ft, frequent glass layers, trace concrete fragments                                                                             | 5           | 5      | 15       | 20       | 35     | 20      |
|            |                         |                         |                   | 0.0                              |             |                                | -FILL-                                                                                                                                                                                     |             |        |          |          |        |         |
| 10         |                         | G3 12                   | 8.0<br>12.0       |                                  |             |                                | Note: Augered a second hole to get better recovery from 7.0 - 11.0 ft for sample at water table.                                                                                           |             |        |          |          |        |         |
|            |                         |                         |                   | 0.0                              |             |                                |                                                                                                                                                                                            |             |        |          |          |        |         |
| 15         |                         | G4 12                   | 12.0<br>16.0      |                                  | SW          | 388.6<br>12.8                  | Brown well graded SAND (SW), mps 30 mm, no odor, wet, 10% glass particles                                                                                                                  | 5           | 5      | 25       | 35       | 25     | 5       |
|            |                         |                         |                   | 0.0                              |             |                                | -FLUVIAL DEPOSITS-                                                                                                                                                                         |             |        |          |          |        |         |
| 20         |                         | G5 32                   | 16.0<br>20.0      |                                  | SM          | 384.0<br>17.4                  | Gray-brown changing to yellow-brown silty SAND (SM), mps 22 mm, no odor, wet, trace clay, wood at 18.2 ft                                                                                  | 5           | 5      | 5        | 15       | 30     | 40      |

| Water Level Data |       |                    |                  |                |       | Sample ID                                                                                  |  | Well Diagram                                                                         |  | Summary             |      |
|------------------|-------|--------------------|------------------|----------------|-------|--------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|--|---------------------|------|
| Date             | Time  | Elapsed Time (hr.) | Depth (ft) to:   |                |       | O - Open End Rod<br>T - Thin Wall Tube<br>U - Undisturbed Sample<br>S - Split Spoon Sample |  |  |  | Overburden (ft)     | 24.0 |
|                  |       |                    | Bottom of Casing | Bottom of Hole | Water |                                                                                            |  |                                                                                      |  | Rock Cored (ft)     | 0    |
| 10/2/2013        | 13:40 | 0.0                | -                | 19.0           | 9.0   |                                                                                            |  |                                                                                      |  | Samples             | 6G   |
|                  |       |                    |                  |                |       |                                                                                            |  |                                                                                      |  | Boring No. SB-12-12 |      |

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

\*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Jan 31, 14

H:\TEST BORING-07-2 REV\W\PID COL-NO FT HA-1B09-BOS\_ECG.GLB HA-TB-CORE+WELL-07-2 W FENCE.GDT G:\36492\_EAST\_STATION022 OFFSITE OB\FIELD\GINT LOGS\2013-1106-HA-36492-022\_TB.GPJ

## TEST BORING REPORT

Boring No. SB-12-12

File No. 36492-022  
Sheet No. 2 of 2

| Depth (ft) | Sampler Blows<br>per 6 in. | Sample No.<br>& Rec. (in.) | Sample<br>Depth (ft) | PID Readings<br>(ppm)<br>(sample/bkgd) | USCS Symbol | Stratum<br>Change<br>Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br><br>(Density/consistency, color, GROUP NAME, max. particle size*,<br>structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        | Sand     |          |        |  |
|------------|----------------------------|----------------------------|----------------------|----------------------------------------|-------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|--|
|            |                            |                            |                      |                                        |             |                                      |                                                                                                                                                                                                   | % Coarse | % Fine | % Coarse | % Medium | % Fine |  |
| 20         |                            | G6<br>38                   | 20.0<br>24.0         |                                        |             |                                      |                                                                                                                                                                                                   |          |        |          |          |        |  |
|            |                            |                            |                      |                                        |             | 377.4<br>24.0                        | TOP OF BEDROCK 24.0 FT<br>BOTTOM OF EXPLORATION 24.0 FT                                                                                                                                           |          |        |          |          |        |  |
|            |                            |                            |                      |                                        |             |                                      | Refusal on probable bedrock.<br><br>Grouted upon completion.                                                                                                                                      |          |        |          |          |        |  |

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley &amp; Aldrich, Inc.

Boring No. SB-12-12

## TEST BORING REPORT

Boring No. SB-12-13

Project EAST STATION FORMER MGP SITE SUPPLEMENTAL RI, ROCHESTER, NY  
 Client ROCHESTER GAS & ELECTRIC CORPORATION  
 Contractor NOTHNAGLE DRILLING

File No. 36492-022  
 Sheet No. 1 of 2  
 Start October 3, 2013  
 Finish October 3, 2013  
 Driller K. Busch  
 H&A Rep. D. Keller  
 Elevation 401.6  
 Datum NYS Barge Canal  
 Location See Plan

|                       | Casing | Sampler | Barrel | Drilling Equipment and Procedures               |
|-----------------------|--------|---------|--------|-------------------------------------------------|
| Type                  | HSA    | G       | --     | Rig Make & Model: Brainard Kilman BK81-HD Truck |
| Inside Diameter (in.) | 4      | 1 3/4   | --     | Bit Type: Cutting Head                          |
| Hammer Weight (lb)    | -      | -       | -      | Drill Mud: None                                 |
| Hammer Fall (in.)     | -      | -       | -      | Casing: HSA Spin 20.0 ft.                       |
|                       |        |         |        | Hoist/Hammer: Automatic Hammer                  |
|                       |        |         |        | PID Make & Model: MiniRAE 3000                  |

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Well Diagram | Stratum Change Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        | Sand     |          |        | % Fines |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|--------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|---------|
|            |                         |                         |                   |                                  |             |              |                                |                                                                                                                                                                                            | % Coarse | % Fine | % Coarse | % Medium | % Fine |         |
| 0          |                         | G1<br>24                | 0.0<br>4.0        |                                  |             |              | 401.3<br>0.3<br>401.0<br>0.6   | -CONCRETE-<br>-BURIED ASPHALT-<br>Brown mottled yellow-brown and light brown sandy lean CLAY (CL), mps 18 mm, no odor, moist, reworked natural material. Gravel layers at transition       | 0        | 5      | 5        | 5        | 20     | 65      |
| 5          |                         | G2<br>22                | 4.0<br>8.0        | 0.0                              | SP          |              | 397.3<br>4.3                   | -FILL-<br>Brown poorly graded SAND (SP), mps 3 mm, no odor, moist, occasional clay layers, trace roots                                                                                     | 0        | 0      | 5        | 70       | 25     | 0       |
| 10         |                         | G3<br>36                | 8.0<br>12.0       |                                  |             |              |                                | -ALLUVIAL DEPOSITS-<br>Note: Wet at 8.0 ft.                                                                                                                                                |          |        |          |          |        |         |
| 15         |                         | G4<br>39                | 12.0<br>16.0      | 2.8                              | CL          |              | 391.4<br>10.2                  | Mottled yellow-brown and light brown sandy lean CLAY (CL), mps 0.5 mm, slight petroleum-like odor, wet                                                                                     | 0        | 0      | 0        | 5        | 20     | 75      |
| 20         |                         | G5<br>30                | 16.0<br>20.0      | 2.5                              |             |              |                                | TOP OF BEDROCK 20.3 FT                                                                                                                                                                     |          |        |          |          |        |         |

| Water Level Data |       |                    |                  |                |       | Sample ID                                                                                  | Well Diagram | Summary                    |
|------------------|-------|--------------------|------------------|----------------|-------|--------------------------------------------------------------------------------------------|--------------|----------------------------|
| Date             | Time  | Elapsed Time (hr.) | Depth (ft) to:   |                |       | O - Open End Rod<br>T - Thin Wall Tube<br>U - Undisturbed Sample<br>S - Split Spoon Sample |              | Overburden (ft)            |
|                  |       |                    | Bottom of Casing | Bottom of Hole | Water |                                                                                            |              | Rock Cored (ft)            |
| 10/2/2013        | 08:45 | 0.0                | 8.0              | 12.0           | 8.0   |                                                                                            |              | Samples 6G                 |
|                  |       |                    |                  |                |       |                                                                                            |              | <b>Boring No. SB-12-13</b> |

**Field Tests:** Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

\*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

## TEST BORING REPORT

Boring No. SB-12-13

File No. 36492-022

Sheet No. 2 of 2

| Depth (ft) | Sampler Blows<br>per 6 in. | Sample No.<br>& Rec. (in.) | Sample<br>Depth (ft) | PID Readings<br>(ppm)<br>(sample/bkgd) | USCS Symbol | Well Diagram                                                                      | Stratum<br>Change<br>Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br><br>(Density/consistency, color, GROUP NAME, max. particle size*,<br>structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        | Sand     |          |        |
|------------|----------------------------|----------------------------|----------------------|----------------------------------------|-------------|-----------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|
|            |                            |                            |                      |                                        |             |                                                                                   |                                      |                                                                                                                                                                                                   | % Coarse | % Fine | % Coarse | % Medium | % Fine |
| 20         |                            | G6<br>23                   | 20.0<br>22.3         | 1.4                                    |             |  | 381.3<br>20.3                        | Highly to moderately weathered SHALE                                                                                                                                                              |          |        |          |          |        |
|            |                            |                            |                      |                                        |             |                                                                                   | 379.3<br>22.3                        | -WEATHERED BEDROCK-                                                                                                                                                                               |          |        |          |          |        |
|            |                            |                            |                      |                                        |             |                                                                                   |                                      | BOTTOM OF EXPLORATION 22.3 FT                                                                                                                                                                     |          |        |          |          |        |
|            |                            |                            |                      |                                        |             |                                                                                   |                                      | Refusal on probably competent bedrock.                                                                                                                                                            |          |        |          |          |        |
|            |                            |                            |                      |                                        |             |                                                                                   |                                      | See also "Observation Well Installation Report" SW-12-13                                                                                                                                          |          |        |          |          |        |

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley &amp; Aldrich, Inc.

Boring No. SB-12-13

## TEST BORING REPORT

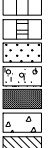
Boring No. SB-12-14

Project EAST STATION FORMER MGP SITE SUPPLEMENTAL RI, ROCHESTER, NY  
 Client ROCHESTER GAS & ELECTRIC CORPORATION  
 Contractor NOTHNAGLE DRILLING

File No. 36492-022  
 Sheet No. 1 of 2  
 Start October 2, 2013  
 Finish October 2, 2013  
 Driller K. Busch  
 H&A Rep. D. Keller  
 Elevation 401.6  
 Datum NYS Barge Canal  
 Location See Plan

|                       | Casing | Sampler | Barrel | Drilling Equipment and Procedures               |
|-----------------------|--------|---------|--------|-------------------------------------------------|
| Type                  | HSA    | G       | --     | Rig Make & Model: Brainard Kilman BK81-HD Truck |
| Inside Diameter (in.) | 4      | 1 3/4   | --     | Bit Type:                                       |
| Hammer Weight (lb)    | -      | -       | -      | Drill Mud: None                                 |
| Hammer Fall (in.)     | -      | -       | -      | Casing: HSA Spin 2.0 ft.                        |
|                       |        |         |        | Hoist/Hammer: Automatic Hammer                  |
|                       |        |         |        | PID Make & Model: MiniRAE 3000                  |

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Stratum Change Elev/Depth (ft)               | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        | Sand     |          |        | % Fines |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|---------|
|            |                         |                         |                   |                                  |             |                                              |                                                                                                                                                                                            | % Coarse | % Fine | % Coarse | % Medium | % Fine |         |
| 0          |                         |                         |                   | 0.0                              | SM          | 401.5<br>0.1<br>400.7<br>0.9<br>400.0<br>1.6 | -ASPHALT-<br>Gray silty SAND with gravel (SM), mps 70 mm, no odor, dry, 10% glass fragments and particles                                                                                  | 5        | 10     | 10       | 20       | 35     | 20      |
|            |                         | G1<br>18                | 2.0<br>6.0        | 0.0                              | SM          |                                              | -FILL-<br>Void<br>(Note: Concrete vault 0.9 - 1.6 ft.<br>Red-brown silty SAND (SM), mps 4 mm, no odor, dry<br>Asphalt layer 3.1 - 3.2 ft.                                                  | 0        | 0      | 5        | 30       | 40     | 25      |
| 5          |                         | G2<br>37                | 6.0<br>10.0       | 1.5                              | SM          | 394.1<br>7.5                                 | Yellow-brown silty SAND (SM), mps 6 mm, no odor, wet at 9.6 ft, trace clay                                                                                                                 | 0        | 5      | 5        | 15       | 35     | 40      |
| 10         |                         | G3<br>38                | 10.0<br>14.0      | 1.5                              | SM          | 386.6<br>15.0<br>385.6<br>16.0               | -FLUVIAL DEPOSITS-<br>Dark brown silty SAND with gravel (SM), mps 60 mm, no odor, wet with trace brick and unidentified material                                                           | 10       | 10     | 15       | 25       | 30     | 20      |
| 15         |                         | G4<br>36                | 14.0<br>18.0      | 1.5                              | SM          |                                              | Gray-brown silty SAND with gravel (SM), mps 65 mm, no odor, wet, occasional silt layers                                                                                                    | 10       | 15     | 15       | 20       | 25     | 15      |
| 20         |                         | G5<br>15                | 18.0<br>22.0      | 1.5                              | SM          |                                              |                                                                                                                                                                                            |          |        |          |          |        |         |

| Water Level Data |       |                    |                  |                |       | Sample ID                                                                                  | Well Diagram                                                                         | Summary                                                                               |
|------------------|-------|--------------------|------------------|----------------|-------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Date             | Time  | Elapsed Time (hr.) | Depth (ft) to:   |                |       | O - Open End Rod<br>T - Thin Wall Tube<br>U - Undisturbed Sample<br>S - Split Spoon Sample |  | Overburden (ft) 24.3<br>Rock Cored (ft) 0<br>Samples 6G<br><b>Boring No. SB-12-14</b> |
|                  |       |                    | Bottom of Casing | Bottom of Hole | Water |                                                                                            |                                                                                      |                                                                                       |
| 10/2/2013        | 11:45 | 0.0                | -                | 10.0           | 9.6   |                                                                                            |                                                                                      |                                                                                       |

**Field Tests:** Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

\*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Jan 31, 14

H&amp;A-TEST BORING-07-2 REV-A/PID COL-NO FT HA-LIB05-BOS\_ECG.GLB HA-TB-CORE+WELL-07-2 W FENCE.GDT G\36492\_EAST\_STATION022 OFFSITE OB\FIELD\GINT LOGS\2013-1106-HA-36492-022\_TB.GPJ

## TEST BORING REPORT

Boring No. SB-12-14

File No. 36492-022

Sheet No. 2 of 2

| HALEY & ALDRICH |                         |                         |                   |                                  |             |                                | TEST BORING REPORT                                                                                                                                                                             |          | Boring No. SB-12-14 |          |          |  |
|-----------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------|----------|----------|--|
|                 |                         |                         |                   |                                  |             |                                | File No. 36492-022                                                                                                                                                                             |          | Sheet No. 2 of 2    |          |          |  |
| Depth (ft)      | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Stratum Change Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br><br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |                     | Sand     |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                | % Coarse | % Fine              | % Coarse | % Medium |  |
| 20              |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                |          |                     |          |          |  |
|                 |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                                | </       |                     |          |          |  |

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley &amp; Aldrich, Inc.

Boring No. SB-12-14

## TEST BORING REPORT

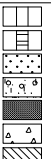
Boring No. SB-12-15

Project EAST STATION FORMER MGP SITE SUPPLEMENTAL RI, ROCHESTER, NY  
 Client ROCHESTER GAS & ELECTRIC CORPORATION  
 Contractor NOTHNAGLE DRILLING

File No. 36492-022  
 Sheet No. 1 of 2  
 Start October 17, 2013  
 Finish October 17, 2013  
 Driller K. Busch  
 H&A Rep. Keller/Nostrant  
 Elevation 415.9  
 Datum NYS Barge Canal  
 Location See Plan

|                       | Casing | Sampler | Barrel | Drilling Equipment and Procedures    |
|-----------------------|--------|---------|--------|--------------------------------------|
| Type                  | HSA    | G       | --     | Rig Make & Model: CME 85 Truck Mount |
| Inside Diameter (in.) | 4 1/4  | 1 5/8   | --     | Bit Type: Cutting Head               |
| Hammer Weight (lb)    | -      | 140     | -      | Drill Mud: None                      |
| Hammer Fall (in.)     | -      | 30      | -      | Casing:                              |
|                       |        |         |        | Hoist/Hammer: Winch Automatic Hammer |
|                       |        |         |        | PID Make & Model: MiniRAE 3000       |

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Stratum Change Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        | Sand     |          |        | % Fines |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|---------|
|            |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                            | % Coarse | % Fine | % Coarse | % Medium | % Fine |         |
| 0          |                         | G1 35                   | 0.0<br>4.0        | 1.1                              | ML          |                                | Brown sandy SILT with gravel (ML), mps 25 mm, no odor, damp, trace red brick, ash-like material (ALM), roots, bottom of polyliner at 3.2 ft                                                | 5        | 10     | 10       | 10       | 10     | 55      |
|            |                         |                         |                   | ND                               |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |
|            |                         |                         |                   | ND                               |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |
|            |                         |                         |                   | ND                               |             |                                | -FILL-                                                                                                                                                                                     |          |        |          |          |        |         |
|            |                         | G2 14                   | 4.0<br>8.0        | ND                               | ML          |                                | Similar with increased gravel fraction, red brick, noted red, black, white ALM in shoe of sampler.                                                                                         |          |        |          |          |        |         |
|            |                         |                         |                   | ND                               |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |
|            |                         |                         |                   | ND                               |             |                                | -FILL-                                                                                                                                                                                     |          |        |          |          |        |         |
|            |                         |                         |                   | ND                               |             | 407.9<br>8.0                   | Brown-black-white ALM, mps 15 mm, no odor, moist                                                                                                                                           |          |        |          |          |        |         |
|            |                         | G3 19                   | 8.0<br>12.0       | ND                               |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |
|            |                         |                         |                   | ND                               |             |                                | -FILL-                                                                                                                                                                                     |          |        |          |          |        |         |
|            |                         |                         |                   | ND                               |             | 404.2<br>11.7                  | Gray-brown lean CLAY (CL), mps 3 mm, slight organic odor, damp                                                                                                                             | 0        | 0      | 0        | 5        | 5      | 90      |
|            |                         | G4 38                   | 12.0<br>16.0      | ND                               | ML          | 403.9<br>12.0                  | Tan-brown SILT (ML), mps 2 mm, no odor, damp, trace ALM                                                                                                                                    | 0        | 0      | 0        | 5        | 5      | 90      |
|            |                         |                         |                   | ND                               |             |                                | -FILL-                                                                                                                                                                                     |          |        |          |          |        |         |
|            |                         |                         |                   | ND                               |             | 401.4<br>14.5                  | Gray-brown-black mottled lean CLAY (CL), mps 2 mm, no odor, damp                                                                                                                           | 0        | 0      | 0        | 0        | 10     | 90      |
|            |                         | G5 44                   | 16.0<br>20.0      | ND                               |             |                                | Similar as above                                                                                                                                                                           |          |        |          |          |        |         |
|            |                         |                         |                   | ND                               | SM          | 397.3<br>18.6                  | Gray-brown silty SAND (SM), mps 1 mm, no odor, moist to wet                                                                                                                                | 0        | 0      | 0        | 0        | 80     | 20      |

| Water Level Data |      |                    |                  |                |       | Sample ID                                                                                  | Well Diagram                                                                         | Summary                                                                               |
|------------------|------|--------------------|------------------|----------------|-------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Date             | Time | Elapsed Time (hr.) | Depth (ft) to:   |                |       | O - Open End Rod<br>T - Thin Wall Tube<br>U - Undisturbed Sample<br>S - Split Spoon Sample |  | Overburden (ft) 31.2<br>Rock Cored (ft) 0<br>Samples 9G<br><b>Boring No. SB-12-15</b> |
|                  |      |                    | Bottom of Casing | Bottom of Hole | Water |                                                                                            |                                                                                      |                                                                                       |
|                  |      |                    |                  |                |       |                                                                                            |                                                                                      |                                                                                       |

**Field Tests:** Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

\*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Jan 31, 14

H:\TEST BORING-07-2 REV\W\PID COL-NO FT HA-LIB03-BOS\_ECG.GLB HA-TB-CORE+WELL-07-2 W FENCE.GDT G:\36492\_EAST\_STATION022 OFFSITE OB\FIELD\GINT LOGS\2013-1106-HA-36492-022\_TB.GPJ

## TEST BORING REPORT

Boring No. SB-12-15

File No. 36492-022

Sheet No. 2 of 2

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Stratum Change Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        | Sand     |          |        |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|
|            |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                            | % Coarse | % Fine | % Coarse | % Medium | % Fine |
| 20         |                         | G6<br>32                | 20.0<br>24.0      | ND                               |             |                                | -FILL-                                                                                                                                                                                     |          |        |          |          |        |
|            |                         |                         |                   | ND                               | CL          | 392.9<br>23.0                  | Gray-brown lean CLAY with sand (CL), mps 12 mm, weakly laminated, trace rounded gravel, no odor, moist                                                                                     | 0        | 0      | 0        | 5        | 10     |
| 25         |                         | G7<br>28                | 24.0<br>28.0      | ND                               |             |                                | -LACUSTRINE-                                                                                                                                                                               |          |        |          |          |        |
|            |                         |                         |                   | ND                               |             |                                | Similar with weathered shale fragments from 27.8 - 28.0 ft                                                                                                                                 |          |        |          |          |        |
|            |                         | G8<br>20                | 28.0<br>31.0      | ND                               | GM          |                                | Dark gray-brown silty GRAVEL with sand (GM), mps 25 mm, subangular to rounded gravel, slight acrid odor, wet<br>-ALLUVIAL-                                                                 | 10       | 40     | 15       | 10       | 10     |
| 30         |                         | G9<br>2                 | 31.0<br>31.2      | ND<br>ND                         |             | 384.7<br>31.2                  | Gray-brown WEATHERED ROCK FRAGMENTS, mps 30 mm, no odor, moist<br>-WEATHERED BEDROCK-                                                                                                      |          |        |          |          |        |
|            |                         |                         |                   |                                  |             |                                | Similar to above<br>Observed refusal at 31.2 ft<br>BOTTOM OF EXPLORATION 31.2 FT                                                                                                           |          |        |          |          |        |

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley &amp; Aldrich, Inc.

Boring No. SB-12-15

## TEST BORING REPORT

Boring No. SB-12-16

Project EAST STATION FORMER MGP SITE SUPPLEMENTAL RI, ROCHESTER, NY  
 Client ROCHESTER GAS & ELECTRIC CORPORATION  
 Contractor NOTHNAGLE DRILLING

File No. 36492-022  
 Sheet No. 1 of 1  
 Start October 9, 2013  
 Finish October 9, 2013  
 Driller K. Busch  
 H&A Rep. D. Keller  
 Elevation 401.6  
 Datum NYS Barge Canal  
 Location See Plan

|                       | Casing | Sampler | Barrel | Drilling Equipment and Procedures               |
|-----------------------|--------|---------|--------|-------------------------------------------------|
| Type                  | -      | G       | --     | Rig Make & Model: Brainard Kilman BK81-HD Truck |
| Inside Diameter (in.) | -      | 1 3/4   | --     | Bit Type:                                       |
| Hammer Weight (lb)    | -      | -       | -      | Drill Mud: None                                 |
| Hammer Fall (in.)     | -      | -       | -      | Casing: N/A                                     |
|                       |        |         |        | Hoist/Hammer: Automatic Hammer                  |
|                       |        |         |        | PID Make & Model: MiniRAE 3000                  |

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Stratum Change Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        |          |          |        |         | Sand     |          |        |         |  |  |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|---------|----------|----------|--------|---------|--|--|
|            |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                            | % Coarse | % Fine | % Coarse | % Medium | % Fine | % Fines | % Coarse | % Medium | % Fine | % Fines |  |  |
| 0          | 66                      | G1<br>36                | 0.0<br>4.0        | 0.0                              |             | 401.4<br>0.2                   | -ASPHALT-<br>Gray dense buried top soil, over brown silty SAND                                                                                                                             |          |        |          |          |        |         |          |          |        |         |  |  |
|            |                         |                         |                   | 0.0                              |             | 399.8<br>1.8                   |                                                                                                                                                                                            |          |        |          |          |        |         |          |          |        |         |  |  |
|            |                         |                         |                   | 0.0                              |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |          |          |        |         |  |  |
|            |                         |                         |                   | 0.1                              | SP-SM       |                                | Light brown poorly graded SAND with silt (SP-SM), mps 0.7 mm, no odor, moist                                                                                                               | 0        | 0      | 0        | 35       | 55     | 10      |          |          |        |         |  |  |
|            | 28                      | G2<br>37                | 4.0<br>8.0        |                                  |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |          |          |        |         |  |  |
| 5          |                         |                         |                   | 0.0                              |             |                                | -ALLUVIAL DEPOSITS-                                                                                                                                                                        |          |        |          |          |        |         |          |          |        |         |  |  |
|            |                         |                         |                   | 0.0                              |             | 395.1<br>6.5                   | TOP OF BEDROCK 6.5 FT                                                                                                                                                                      |          |        |          |          |        |         |          |          |        |         |  |  |
|            |                         |                         |                   | 0.0                              |             |                                | Highly to completely weathered SHALE, slight petroleum-like odor                                                                                                                           |          |        |          |          |        |         |          |          |        |         |  |  |
|            |                         | G3<br>4                 | 8.0<br>8.5        |                                  |             | 393.1<br>8.5                   | -WEATHERED BEDROCK-<br>BOTTOM OF EXPLORATION 8.5 FT                                                                                                                                        |          |        |          |          |        |         |          |          |        |         |  |  |
|            |                         |                         |                   |                                  |             |                                | Refusal on probable competent bedrock.                                                                                                                                                     |          |        |          |          |        |         |          |          |        |         |  |  |
|            |                         |                         |                   |                                  |             |                                | Borehole backfilled with bentonite upon completion.                                                                                                                                        |          |        |          |          |        |         |          |          |        |         |  |  |

| Water Level Data |       |                    |                  |                |       | Sample ID                                                                                  |  | Well Diagram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Summary                                                |                     |
|------------------|-------|--------------------|------------------|----------------|-------|--------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------|---------------------|
| Date             | Time  | Elapsed Time (hr.) | Depth (ft) to:   |                |       | O - Open End Rod<br>T - Thin Wall Tube<br>U - Undisturbed Sample<br>S - Split Spoon Sample |  |  Riser Pipe<br> Screen<br> Filter Sand<br> Cuttings<br> Grout<br> Concrete<br> Bentonite Seal |  | Overburden (ft) 8.5<br>Rock Cored (ft) 0<br>Samples 3G | Boring No. SB-12-16 |
| 10/9/2013        | 13:45 | 0.0                | Bottom of Casing | Bottom of Hole | Water |                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                        |                     |
|                  |       |                    | N/A              | 8.0            | 5.4   |                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                        |                     |

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

\*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

## TEST BORING REPORT

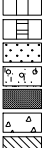
Boring No. SB-12-17

Project EAST STATION FORMER MGP SITE SUPPLEMENTAL RI, ROCHESTER, NY  
 Client ROCHESTER GAS & ELECTRIC CORPORATION  
 Contractor NOTHNAGLE DRILLING

File No. 36492-022  
 Sheet No. 1 of 1  
 Start October 17, 2013  
 Finish October 17, 2013  
 Driller K. Busch  
 H&A Rep. Keller/Nostrant  
 Elevation 401.1  
 Datum NYS Barge Canal  
 Location See Plan

|                       | Casing | Sampler | Barrel | Drilling Equipment and Procedures    |
|-----------------------|--------|---------|--------|--------------------------------------|
| Type                  | HSA    | G       | --     | Rig Make & Model: CME 85 Truck Mount |
| Inside Diameter (in.) | 4 1/4  | 1 5/8   | --     | Bit Type: Cutting Head               |
| Hammer Weight (lb)    | -      | 140     | -      | Drill Mud: None                      |
| Hammer Fall (in.)     | -      | 30      | -      | Casing:                              |
|                       |        |         |        | Hoist/Hammer: Winch Automatic Hammer |
|                       |        |         |        | PID Make & Model: MiniRAE 3000       |

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Stratum Change Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        | Sand     |          |        | % Fines |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|---------|
|            |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                            | % Coarse | % Fine | % Coarse | % Medium | % Fine |         |
| 0          |                         | G1<br>26                | 0.0<br>4.0        | ND                               | GW          | 400.8<br>0.3                   | -ASPHALT-<br>Gray-brown well graded GRAVEL with sand (GW), mps 20 mm, no odor, damp                                                                                                        |          |        |          |          |        |         |
|            |                         |                         |                   | ND                               |             |                                | -FILL-                                                                                                                                                                                     |          |        |          |          |        |         |
|            |                         |                         |                   | ND                               | ML          | 398.1<br>3.0                   | Gray-brown sandy SILT (ML), mps 2 mm, no odor, moist                                                                                                                                       | 0        | 0      | 0        | 5        | 20     | 75      |
|            |                         |                         |                   | ND                               |             | 397.1<br>4.0                   | -FILL-                                                                                                                                                                                     |          |        |          |          |        |         |
|            |                         | G2<br>20                | 4.0<br>8.0        | ND                               | SP-SM       |                                | Yellow-brown poorly graded SAND with silt (SP-SM), mps 1 mm, no odor, moist, trace clay, trace roots                                                                                       | 0        | 0      | 0        | 5        | 85     | 10      |
|            |                         |                         |                   |                                  |             |                                | -FILL-                                                                                                                                                                                     |          |        |          |          |        |         |
|            |                         | G3<br>40                | 8.0<br>12.0       | 140                              | SM          |                                | Yellow-brown silty SAND (SM), mps 15 mm, petroleum-like staining (limited to outside of soil core), very strong petroleum-like odor, moist                                                 | 0        | 0      | 10       | 20       | 40     | 30      |
|            |                         |                         |                   | 42.5                             |             |                                | Decision to abandon boring - yellow product like liquid on outside of bailer inserted into borehole                                                                                        |          |        |          |          |        |         |
|            |                         |                         |                   | 65.2                             |             |                                | Boring abandoned using bentonite chips from 8.5 - 12.0 ft. Grout 8.5 ft - 0.0 ft.                                                                                                          |          |        |          |          |        |         |
|            |                         |                         |                   |                                  |             | 389.1<br>12.0                  | -BOTTOM OF EXPLORATION 12.0 FT                                                                                                                                                             |          |        |          |          |        |         |

| Water Level Data |      |                    |                  |                |       | Sample ID                                                                                  | Well Diagram                                                                         | Summary                    |
|------------------|------|--------------------|------------------|----------------|-------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------|
| Date             | Time | Elapsed Time (hr.) | Depth (ft) to:   |                |       | O - Open End Rod<br>T - Thin Wall Tube<br>U - Undisturbed Sample<br>S - Split Spoon Sample |  | Overburden (ft)            |
|                  |      |                    | Bottom of Casing | Bottom of Hole | Water |                                                                                            |                                                                                      | Rock Cored (ft)            |
| 10/17/2013       |      |                    |                  | 12.0           | 9.0   |                                                                                            |                                                                                      | 0                          |
|                  |      |                    |                  |                |       |                                                                                            |                                                                                      | Samples 3G                 |
|                  |      |                    |                  |                |       |                                                                                            |                                                                                      | <b>Boring No. SB-12-17</b> |

**Field Tests:** Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

\*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

## TEST BORING REPORT

Boring No. SB-12-17A

Project EAST STATION FORMER MGP SITE SUPPLEMENTAL RI, ROCHESTER, NY  
 Client ROCHESTER GAS & ELECTRIC CORPORATION  
 Contractor NOTHNAGLE DRILLING

File No. 36492-022  
 Sheet No. 1 of 1  
 Start November 7, 2013  
 Finish November 7, 2013  
 Driller S. Gelser

|                       | Casing | Sampler | Barrel | Drilling Equipment and Procedures    |
|-----------------------|--------|---------|--------|--------------------------------------|
| Type                  | -      | G       | --     | Rig Make & Model: Truck              |
| Inside Diameter (in.) | -      | 1 5/8   | --     | Bit Type: Cutting Head               |
| Hammer Weight (lb)    | -      | 140     | -      | Drill Mud: None                      |
| Hammer Fall (in.)     | -      | 30      | -      | Casing:                              |
|                       |        |         |        | Hoist/Hammer: Winch Automatic Hammer |
|                       |        |         |        | PID Make & Model: MiniRAE 3000       |

H&A Rep. S. McKenna  
 Elevation 401.1  
 Datum NYS Barge Canal  
 Location See Plan

| Depth (ft) | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | PID Readings (ppm) (sample/bkgd) | USCS Symbol | Stratum Change Elev/Depth (ft) | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        |          |          |        |         | Sand |    |    |  |
|------------|-------------------------|-------------------------|-------------------|----------------------------------|-------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|---------|------|----|----|--|
|            |                         |                         |                   |                                  |             |                                |                                                                                                                                                                                            | % Coarse | % Fine | % Coarse | % Medium | % Fine | % Fines |      |    |    |  |
| 0          | 0.0                     | G1                      | 0.0               |                                  | GW          | 400.8                          | -ASPHALT-                                                                                                                                                                                  |          |        |          |          |        |         |      |    |    |  |
|            | 0.0                     | 32                      | 4.0               |                                  |             | 0.3                            | Gray-brown well graded GRAVEL with sand (GW), mps 20 mm, no odor, damp                                                                                                                     | 80       |        | 5        | 10       |        |         |      |    | 5  |  |
|            | 0.0                     |                         |                   |                                  |             |                                | -FILL-                                                                                                                                                                                     |          |        |          |          |        |         |      |    |    |  |
|            |                         |                         |                   |                                  | ML          | 398.1                          | Gray-brown sandy SILT (ML), mps 2mm, no odor, moist                                                                                                                                        |          |        |          |          |        |         | 5    | 20 | 75 |  |
|            |                         |                         |                   |                                  |             | 3.0                            | -FILL-                                                                                                                                                                                     |          |        |          |          |        |         |      |    |    |  |
|            |                         |                         |                   |                                  | SP-SM       | 397.1                          | Yellow-brown poorly graded SAND with silt (SP-SM), mps 1 mm, no odor, moist,                                                                                                               |          |        |          |          |        |         | 5    | 85 | 10 |  |
|            |                         |                         |                   |                                  |             | 4.0                            | trace clay, trace roots                                                                                                                                                                    |          |        |          |          |        |         |      |    |    |  |
|            |                         |                         |                   |                                  |             |                                | -FILL-                                                                                                                                                                                     |          |        |          |          |        |         |      |    |    |  |
| 5          | 0.0                     | G2                      | 4.0               |                                  |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |    |    |  |
|            | 0.0                     | 48                      | 12.0              |                                  |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |    |    |  |
|            | 0.3                     |                         |                   |                                  |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |    |    |  |
|            | 5.1                     |                         |                   |                                  |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |    |    |  |
|            |                         |                         |                   |                                  | SM          | 393.1                          | Yellow-brown silty SAND (SM), mps 15 mm, petroleum-like staining, very strong                                                                                                              |          |        | 10       | 20       | 40     | 30      |      |    |    |  |
|            | 25.6                    | G3                      | 8.0               |                                  |             | 8.0                            | petroleum-like odor, moist                                                                                                                                                                 |          |        |          |          |        |         |      |    |    |  |
|            | 13.6                    | 36                      | 19.0              |                                  |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |    |    |  |
|            | 9.8                     |                         |                   |                                  |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |    |    |  |
|            | 10.2                    |                         |                   |                                  |             |                                |                                                                                                                                                                                            |          |        |          |          |        |         |      |    |    |  |
| 10         |                         |                         |                   |                                  |             |                                | *Sample collected from 10'-11'                                                                                                                                                             |          |        |          |          |        |         |      |    |    |  |
|            |                         |                         |                   |                                  |             | 390.1                          | BOTTOM OF EXPLORATION 11.0 FT                                                                                                                                                              |          |        |          |          |        |         |      |    |    |  |
|            |                         |                         |                   |                                  |             | 11.0                           |                                                                                                                                                                                            |          |        |          |          |        |         |      |    |    |  |

| Water Level Data |      |                    |                  |                |       | Sample ID                                                                                  |  | Well Diagram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Summary                                                 |                      |
|------------------|------|--------------------|------------------|----------------|-------|--------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------|----------------------|
| Date             | Time | Elapsed Time (hr.) | Depth (ft) to:   |                |       | O - Open End Rod<br>T - Thin Wall Tube<br>U - Undisturbed Sample<br>S - Split Spoon Sample |  |  Riser Pipe<br> Screen<br> Filter Sand<br> Cuttings<br> Grout<br> Concrete<br> Bentonite Seal |  | Overburden (ft) 11.0<br>Rock Cored (ft) 0<br>Samples 3G | Boring No. SB-12-17A |
|                  |      |                    | Bottom of Casing | Bottom of Hole | Water |                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                         |                      |
|                  |      |                    |                  |                |       |                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                         |                      |

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

\*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

|                            |                                                                      |                         |                               |
|----------------------------|----------------------------------------------------------------------|-------------------------|-------------------------------|
| <b>HALEY &amp; ALDRICH</b> | <h1 style="margin: 0;">OBSERVATION WELL<br/>INSTALLATION REPORT</h1> |                         | Well No.<br><b>SW-12-01</b>   |
|                            |                                                                      |                         | Boring No.<br><b>SB-12-01</b> |
| <b>PROJECT</b>             | RG&E E. STATION: OFF-SITE SUPPLEMENTAL REMEDIAL                      | <b>H&amp;A FILE NO.</b> | 36492-022                     |
| <b>LOCATION</b>            | SITE NO. V00358-8, ROCHESTER NEW YORK                                | <b>PROJECT MGR.</b>     | D. ALLEN                      |
| <b>CLIENT</b>              | ROCHESTER GAS & ELECTRIC CORPORATION                                 | <b>FIELD REP.</b>       | D. KELLER                     |
| <b>CONTRACTOR</b>          | NOTHNAGLE DRILLING                                                   | <b>DATE INSTALLED</b>   | 10/8/2013                     |
| <b>DRILLER</b>             | KEVIN BUSCH                                                          | <b>WATER LEVEL</b>      | 10.5* (10/11 @ 11:45)         |

|                                                                                           |                                                                          |                                                                                                      |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Ground El. <span style="float: right;">399.6</span> <span style="float: right;">ft</span> | Location <span style="float: right;">Southwest corner of property</span> | <input checked="" type="checkbox"/> <b>Guard Pipe</b><br><input type="checkbox"/> <b>Roadway Box</b> |
| El. Datum <span style="float: right;">402.12</span>                                       |                                                                          |                                                                                                      |

|                                                                                                |                              |                |
|------------------------------------------------------------------------------------------------|------------------------------|----------------|
| <b>SOIL/ROCK<br/>CONDITIONS</b>                                                                | <b>BOREHOLE<br/>BACKFILL</b> |                |
| 0.0                                                                                            | 0.0                          |                |
| FILL                                                                                           | GROUT                        |                |
|                                                                                                | 4.0                          |                |
|                                                                                                | BENTONITE                    |                |
|                                                                                                | 6.0                          |                |
| ALLUVIAL<br>DEPOSITS                                                                           | FILTER<br>SAND               |                |
|                                                                                                |                              |                |
|                                                                                                |                              |                |
| 12.5                                                                                           |                              |                |
| 18.5                                                                                           |                              |                |
| W. BEDROCK                                                                                     | BENTONITE                    |                |
| 20.8                                                                                           | 20.8                         |                |
| (Bottom of Exploration)<br><small>(Numbers refer to depth from ground surface in feet)</small> |                              | (Not to Scale) |

The diagram illustrates the vertical profile of the observation well. It shows a borehole with a casing and a riser pipe. The casing is labeled 'Type of protective casing: Galvanized Steel' with a length of 5.0 ft and an inside diameter of 4"x4". The riser pipe is labeled 'Type of riser pipe: Sch 40 PVC' with an inside diameter of 2.0 in. The backfill around the riser is 'Grout'. The screen is labeled 'Type of screen: Sch 40 PVC' with a screen gauge of 0.01 in and a diameter of 2.0 in. The backfill around the screen is 'Filter Sand'. The silt trap is located at the bottom of the riser pipe. The depth of the bottom of the borehole is 20.8 ft.

|                                                  |                  |                |
|--------------------------------------------------|------------------|----------------|
| Type of protective cover/lock                    | Masterlock Key   |                |
| Height of top of guard pipe above ground surface | 3.0              | ft             |
| Height of top of riser pipe above ground surface | 2.7              | ft             |
| Type of protective casing:                       | Galvanized Steel |                |
| Length                                           | 5.0              | ft             |
| Inside                                           | 4"x4"            | in             |
| Depth of bottom of guard pipe                    | 2.0              | ft             |
| Type of Seals                                    | Top of Seal (ft) | Thickness (ft) |
| Grout                                            | 0.0              | 4.0            |
| Bentonite Seal                                   | 4.0              | 2.0            |
|                                                  |                  |                |
|                                                  |                  |                |
| Type of riser pipe:                              | Sch 40 PVC       |                |
| Inside diameter of riser pipe                    | 2.0              | in             |
| Type of backfill around riser                    | Grout            |                |
| Diameter of borehole                             | 8.0              | in             |
| Depth to top of well screen                      | 8.5              | ft             |
| Type of screen                                   | Sch 40 PVC       |                |
| Screen gauge or size of openings                 | 0.01             | in             |
| Diameter of screen                               | 2.0              | in             |
| Type of backfill around screen                   | Filter Sand      |                |
| Depth of bottom of well screen                   | 18.5             | ft             |
| Bottom of Silt trap                              | 20.5             | ft             |
| Depth of bottom of borehole                      | 20.8             | ft             |

|                       |    |   |                       |    |   |                          |    |   |            |    |  |
|-----------------------|----|---|-----------------------|----|---|--------------------------|----|---|------------|----|--|
| 4                     | ft | + | 10                    | ft | + | 2                        | ft | = | 16         | ft |  |
| Riser Pay Length (L1) |    |   | Length of screen (L2) |    |   | Length of silt trap (L3) |    |   | Pay length |    |  |

**COMMENTS:** \* measured from top of PVC riser

|                            |                                                                      |                      |                               |
|----------------------------|----------------------------------------------------------------------|----------------------|-------------------------------|
| <b>HALEY &amp; ALDRICH</b> | <h1 style="margin: 0;">OBSERVATION WELL<br/>INSTALLATION REPORT</h1> |                      | Well No.<br><b>SW-12-04</b>   |
|                            |                                                                      |                      | Boring No.<br><b>SB-12-04</b> |
| <b>PROJECT</b>             | RG&E E. STATION: OFF-SITE SUPPLEMENTAL REMEDIAL                      |                      | <b>H&amp;A FILE NO.</b>       |
| <b>LOCATION</b>            | SITE NO. V00358-8, ROCHESTER NEW YORK                                |                      | <b>PROJECT MGR.</b>           |
| <b>CLIENT</b>              | ROCHESTER GAS & ELECTRIC CORPORATION                                 |                      | <b>FIELD REP.</b>             |
| <b>CONTRACTOR</b>          | NOTHNAGLE DRILLING                                                   |                      | <b>DATE INSTALLED</b>         |
| <b>DRILLER</b>             | K. BUSCH                                                             |                      | <b>WATER LEVEL</b>            |
|                            |                                                                      | 5.3* (10/11 @ 11:55) |                               |

|            |        |    |                                                                                        |                                       |  |
|------------|--------|----|----------------------------------------------------------------------------------------|---------------------------------------|--|
| Ground El. | 405.7  | ft | Location                                                                               | Along southern property boundary near |  |
| El. Datum  | 405.27 |    |                                                                                        | chain link fence gate                 |  |
|            |        |    | <input type="checkbox"/> Guard Pipe<br><input checked="" type="checkbox"/> Roadway Box |                                       |  |

|                                                                                 |                              |                                                                           |  |  |  |                                                               |  |  |  |
|---------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------|--|--|--|
| <b>SOIL/ROCK<br/>CONDITIONS</b>                                                 | <b>BOREHOLE<br/>BACKFILL</b> | Type of protective cover/lock <u>Hex Bolts</u>                            |  |  |  |                                                               |  |  |  |
| 0.0                                                                             | 0.0                          | Depth of top of guard pipe/roadway box below ground surface <u>0.0</u> ft |  |  |  |                                                               |  |  |  |
| FILL                                                                            | CEMENT                       |                                                                           |  |  |  |                                                               |  |  |  |
|                                                                                 | 0.5                          |                                                                           |  |  |  | Depth of top of riser pipe below ground surface <u>0.4</u> ft |  |  |  |
|                                                                                 | SAND                         |                                                                           |  |  |  |                                                               |  |  |  |
|                                                                                 | 1.2                          |                                                                           |  |  |  | Type of protective casing: <u>Road Box</u>                    |  |  |  |
|                                                                                 | BENTONITE                    |                                                                           |  |  |  | Length <u>1.1</u> ft                                          |  |  |  |
|                                                                                 | 2.5                          | Inside Diameter <u>8.0</u> in                                             |  |  |  |                                                               |  |  |  |
|                                                                                 | FILTER<br>SAND               | Depth of bottom of roadway box <u>1.1</u> ft                              |  |  |  |                                                               |  |  |  |
|                                                                                 |                              |                                                                           |  |  |  |                                                               |  |  |  |
|                                                                                 |                              |                                                                           |  |  |  |                                                               |  |  |  |
|                                                                                 |                              |                                                                           |  |  |  |                                                               |  |  |  |
|                                                                                 |                              |                                                                           |  |  |  |                                                               |  |  |  |
| 9.0                                                                             |                              |                                                                           |  |  |  |                                                               |  |  |  |
| ALLUVIAL<br>DEPOSITS                                                            |                              |                                                                           |  |  |  |                                                               |  |  |  |
|                                                                                 |                              |                                                                           |  |  |  |                                                               |  |  |  |
|                                                                                 |                              |                                                                           |  |  |  |                                                               |  |  |  |
| 11.3                                                                            |                              |                                                                           |  |  |  |                                                               |  |  |  |
| WETHERED<br>BEDROCK                                                             |                              |                                                                           |  |  |  |                                                               |  |  |  |
|                                                                                 |                              |                                                                           |  |  |  |                                                               |  |  |  |
|                                                                                 |                              |                                                                           |  |  |  |                                                               |  |  |  |
| 14.0                                                                            |                              |                                                                           |  |  |  |                                                               |  |  |  |
|                                                                                 | BENTONITE                    |                                                                           |  |  |  |                                                               |  |  |  |
| 16.0                                                                            | 16.0                         |                                                                           |  |  |  |                                                               |  |  |  |
| (Bottom of Exploration)<br>(Numbers refer to depth from ground surface in feet) |                              | (Not to Scale)                                                            |  |  |  |                                                               |  |  |  |

|                       |    |   |                       |    |   |            |    |
|-----------------------|----|---|-----------------------|----|---|------------|----|
| 40                    | ft | + | 10                    | ft | = | 52         | ft |
| Riser Pay Length (L1) |    |   | Length of screen (L2) |    |   | Pay length |    |

|           |                                  |
|-----------|----------------------------------|
| COMMENTS: | * measured from top of PVC riser |
|-----------|----------------------------------|

| <b>HALEY &amp; ALDRICH</b>                                                                                                                                                                                                                                                                                                                                              | <h1 style="margin: 0;">OBSERVATION WELL<br/>INSTALLATION REPORT</h1> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Well No.<br><b>SW-12-05</b>   |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------|------------------|----------------|-------|-----|-----|----------------|-----|-----|--|--|--|--|--|--|
|                                                                                                                                                                                                                                                                                                                                                                         |                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Boring No.<br><b>SB-12-05</b> |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
| <b>PROJECT</b>                                                                                                                                                                                                                                                                                                                                                          | RG&E E. STATION: OFF-SITE SUPPLEMENTAL REMEDIAL                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>H&amp;A FILE NO.</b>       |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
| <b>LOCATION</b>                                                                                                                                                                                                                                                                                                                                                         | SITE NO. V00358-8, ROCHESTER NEW YORK                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>PROJECT MGR.</b>           |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
| <b>CLIENT</b>                                                                                                                                                                                                                                                                                                                                                           | ROCHESTER GAS & ELECTRIC CORPORATION                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>FIELD REP.</b>             |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
| <b>CONTRACTOR</b>                                                                                                                                                                                                                                                                                                                                                       | NOTHNAGLE DRILLING                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>DATE INSTALLED</b>         |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
| <b>DRILLER</b>                                                                                                                                                                                                                                                                                                                                                          | KEVIN BUSCH                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>WATER LEVEL</b>            |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                         |                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
| <b>Ground El.</b>                                                                                                                                                                                                                                                                                                                                                       | 414.6                                                                | ft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Location</b>               |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
| <b>El. Datum</b>                                                                                                                                                                                                                                                                                                                                                        | 416.95                                                               | ft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Southeast corner of property  |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                         |                                                                      | <input checked="" type="checkbox"/> <b>Guard Pipe</b><br><input type="checkbox"/> <b>Roadway Box</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
| <b>SOIL/ROCK<br/>CONDITIONS</b>                                                                                                                                                                                                                                                                                                                                         | <b>BOREHOLE<br/>BACKFILL</b>                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
| 0.0                                                                                                                                                                                                                                                                                                                                                                     | 0.0                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
| FILL                                                                                                                                                                                                                                                                                                                                                                    | GROUT                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                         | 7.5                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                         | BENTONITE                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
| 12.1                                                                                                                                                                                                                                                                                                                                                                    | 10.2                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
| ALLUVIAL<br>DEPOSITS                                                                                                                                                                                                                                                                                                                                                    | FILTER<br>SAND                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                         | 18.0                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                         | 22.5                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
| 24.0                                                                                                                                                                                                                                                                                                                                                                    | 24.0                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
| (Bottom of Exploration)<br>(Numbers refer to depth from ground surface in feet)                                                                                                                                                                                                                                                                                         |                                                                      | (Not to Scale)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                               |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                         |                                                                      | <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Type of protective cover/lock <span style="float: right;">Masterlock Key 2342</span></p> <p>Height of top of guard pipe above ground surface <span style="float: right;">3.2 ft</span></p> <p>Height of top of riser pipe above ground surface <span style="float: right;">2.9 ft</span></p> <p>Type of protective casing: <span style="float: right;">Galvanized Steel</span></p> <p>Length <span style="float: right;">5.0 ft</span></p> <p>Inside <span style="float: right;">4"x4" in</span></p> <p>Depth of bottom of guard pipe/roadway box <span style="float: right;">1.8 ft</span></p> <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th>Type of Seals</th> <th>Top of Seal (ft)</th> <th>Thickness (ft)</th> </tr> </thead> <tbody> <tr> <td>Grout</td> <td style="text-align: center;">0.0</td> <td style="text-align: center;">7.5</td> </tr> <tr> <td>Bentonite Seal</td> <td style="text-align: center;">7.5</td> <td style="text-align: center;">2.0</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p>Type of riser pipe: <span style="float: right;">Sch 40 PVC</span></p> <p>Inside diameter of riser pipe <span style="float: right;">2.0 in</span></p> <p>Type of backfill around riser <span style="float: right;">Grout</span></p> <p>Diameter of borehole <span style="float: right;">8.0 in</span></p> <p>Depth to top of well screen <span style="float: right;">12.0 ft</span></p> <p>Type of screen <span style="float: right;">Sch 40 PVC</span></p> <p>Screen gauge or size of openings <span style="float: right;">0.01 in</span></p> <p>Diameter of screen <span style="float: right;">2.0 in</span></p> <p>Type of backfill around screen <span style="float: right;">Filter Sand</span></p> <p>Depth of bottom of well screen <span style="float: right;">22.0 ft</span></p> <p>Bottom of Silt trap <span style="float: right;">24.0 ft</span></p> <p>Depth of bottom of borehole <span style="float: right;">20.8 ft</span></p> </div> <div style="width: 45%; text-align: center;"> <p>L1</p> <p>L2</p> <p>L3</p> </div> </div> |                               | Type of Seals | Top of Seal (ft) | Thickness (ft) | Grout | 0.0 | 7.5 | Bentonite Seal | 7.5 | 2.0 |  |  |  |  |  |  |
| Type of Seals                                                                                                                                                                                                                                                                                                                                                           | Top of Seal (ft)                                                     | Thickness (ft)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                               |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
| Grout                                                                                                                                                                                                                                                                                                                                                                   | 0.0                                                                  | 7.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
| Bentonite Seal                                                                                                                                                                                                                                                                                                                                                          | 7.5                                                                  | 2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                         |                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                         |                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
| <div style="display: flex; justify-content: space-around;"> <div>14.9 ft</div> <div>10 ft</div> <div>2 ft</div> <div>=</div> <div>26.9 ft</div> </div> <div style="display: flex; justify-content: space-around; font-size: small;"> <div>Riser Pay Length (L1)</div> <div>Length of screen (L2)</div> <div>Length of silt trap (L3)</div> <div>Pay length</div> </div> |                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |
| <b>COMMENTS:</b> * measured from top of PVC riser                                                                                                                                                                                                                                                                                                                       |                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |               |                  |                |       |     |     |                |     |     |  |  |  |  |  |  |

|                            |                                                                      |                                                                                                      |                               |
|----------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------|
| <b>HALEY &amp; ALDRICH</b> | <h1 style="margin: 0;">OBSERVATION WELL<br/>INSTALLATION REPORT</h1> |                                                                                                      | Well No.<br><b>SW-12-06</b>   |
|                            |                                                                      |                                                                                                      | Boring No.<br><b>SB-12-06</b> |
| <b>PROJECT</b>             | RG&E E. STATION: OFF-SITE SUPPLEMENTAL REMEDIAL                      |                                                                                                      | <b>H&amp;A FILE NO.</b>       |
| <b>LOCATION</b>            | SITE NO. V00358-8, ROCHESTER NEW YORK                                |                                                                                                      | <b>PROJECT MGR.</b>           |
| <b>CLIENT</b>              | ROCHESTER GAS & ELECTRIC CORPORATION                                 |                                                                                                      | <b>FIELD REP.</b>             |
| <b>CONTRACTOR</b>          | NOTHNAGLE DRILLING                                                   |                                                                                                      | <b>DATE INSTALLED</b>         |
| <b>DRILLER</b>             | KEVIN BUSCH                                                          |                                                                                                      | <b>WATER LEVEL</b>            |
| <b>Ground El.</b>          |                                                                      | 421.3 ft                                                                                             | <b>Location</b>               |
| <b>El. Datum</b>           |                                                                      | 423.79                                                                                               | Southeast corner of property  |
|                            |                                                                      | <input checked="" type="checkbox"/> <b>Guard Pipe</b><br><input type="checkbox"/> <b>Roadway Box</b> |                               |

|                                                                                 |                              |                |  |
|---------------------------------------------------------------------------------|------------------------------|----------------|--|
| <b>SOIL/ROCK<br/>CONDITIONS</b>                                                 | <b>BOREHOLE<br/>BACKFILL</b> |                |  |
| 0.0                                                                             | 0.0                          |                |  |
| FILL                                                                            | GROUT                        |                |  |
|                                                                                 | 17.5                         |                |  |
|                                                                                 | BENTONITE                    |                |  |
|                                                                                 | 20.0                         |                |  |
| 20.5                                                                            | FILTER<br>SAND               |                |  |
| ALLUVIAL<br>DEPOSITS                                                            |                              |                |  |
|                                                                                 |                              |                |  |
| 32.0                                                                            |                              |                |  |
| WEATHERED<br>BEDROCK                                                            | 32.5                         |                |  |
| 34.0                                                                            | BENTONITE                    |                |  |
| 34.0                                                                            |                              |                |  |
| (Bottom of Exploration)<br>(Numbers refer to depth from ground surface in feet) |                              | (Not to Scale) |  |

The diagram illustrates the vertical profile of the observation well. It shows a riser pipe extending from the ground surface down to a well screen. The riser pipe is surrounded by a protective casing. The well screen is located at a depth of 22.0 feet from the ground surface. The bottom of the well screen is at 32.0 feet. The bottom of the silt trap is at 34.0 feet. The bottom of the borehole is at 34.0 feet. The diagram also shows the location of the seals and the backfill around the riser pipe and screen.

Type of protective cover/lock: Masterlock Key 2342

Height of top of guard pipe/roadway box above ground surface: 3.2 ft

Height of top of riser pipe above ground surface: 2.9 ft

Type of protective casing: Galvanized Steel

Length: 5.0 ft

Inside: 4"x4" in

Depth of bottom of guard pipe: 1.8 ft

| Type of Seals  | Top of Seal (ft) | Thickness (ft) |
|----------------|------------------|----------------|
| Grout          | 0.0              | 17.5           |
| Bentonite Seal | 17.5             | 1.5            |
|                |                  |                |
|                |                  |                |

Type of riser pipe: Sch 40 PVC

Inside diameter of riser pipe: 2.0 in

Type of backfill around riser: Grout

Diameter of borehole: 8.0 in

Depth to top of well screen: 22.0 ft

Type of screen: Sch 40 PVC

Screen gauge or size of openings: 0.01 in

Diameter of screen: 2.0 in

Type of backfill around screen: Filter Sand

Depth of bottom of well screen: 32.0 ft

Bottom of Silt trap: 34.0 ft

Depth of bottom of borehole: 34.0 ft

|                       |   |                       |   |                          |   |            |
|-----------------------|---|-----------------------|---|--------------------------|---|------------|
| 24.9 ft               | + | 10 ft                 | + | 2 ft                     | = | 36.9 ft    |
| Riser Pay Length (L1) |   | Length of screen (L2) |   | Length of silt trap (L3) |   | Pay length |

**COMMENTS:** \* measured from top of PVC riser

|                            |                                                                      |                |                               |
|----------------------------|----------------------------------------------------------------------|----------------|-------------------------------|
| <b>HALEY &amp; ALDRICH</b> | <h1 style="margin: 0;">OBSERVATION WELL<br/>INSTALLATION REPORT</h1> |                | Well No.<br><b>SW-12-10</b>   |
|                            |                                                                      |                | Boring No.<br><b>SB-12-10</b> |
| PROJECT                    | RG&E E. STATION: OFF-SITE SUPPLEMENTAL REMEDIAL                      | H&A FILE NO.   | 36492-022                     |
| LOCATION                   | SITE NO. V00358-8, ROCHESTER NEW YORK                                | PROJECT MGR.   | D. ALLEN                      |
| CLIENT                     | ROCHESTER GAS & ELECTRIC CORPORATION                                 | FIELD REP.     | D. KELLER                     |
| CONTRACTOR                 | NOTHNAGLE DRILLING                                                   | DATE INSTALLED | 10/4/2013                     |
| DRILLER                    | KEVIN BUSCH                                                          | WATER LEVEL    | 9.9* (10/11 @ 11:15)          |

|            |        |    |          |                            |                                                |
|------------|--------|----|----------|----------------------------|------------------------------------------------|
| Ground El. | 401.4  | ft | Location | Former building floor slab | <input checked="" type="checkbox"/> Guard Pipe |
| El. Datum  | 404.06 |    |          |                            | <input type="checkbox"/> Roadway Box           |

| SOIL/ROCK CONDITIONS | BOREHOLE BACKFILL                                    |  |  |  |
|----------------------|------------------------------------------------------|--|--|--|
| 0.0                  | 0.0                                                  |  |  |  |
| FILL                 | GROUT                                                |  |  |  |
|                      | 2.0                                                  |  |  |  |
|                      | BENTONITE                                            |  |  |  |
|                      | 3.3                                                  |  |  |  |
| 9.5                  | FILTER SAND                                          |  |  |  |
| WEATHER BEDROCK      | 10.0                                                 |  |  |  |
|                      | BENTONITE                                            |  |  |  |
|                      | 18.5                                                 |  |  |  |
|                      | 18.5                                                 |  |  |  |
|                      | (Bottom of Exploration)                              |  |  |  |
|                      | (Numbers refer to depth from ground surface in feet) |  |  |  |

The diagram illustrates the vertical profile of the observation well. It shows a riser pipe extending from the ground surface down to a silt trap at 11.5 ft. The riser pipe is surrounded by backfill. A protective casing is shown around the riser pipe, with seals at 0.0 ft and 2.0 ft. The casing is made of galvanized steel and has an inside diameter of 4 inches. The well screen is located between 9.5 ft and 11.5 ft, with a diameter of 8 inches. The screen has openings of 0.01 inches. The backfill around the screen is filter sand. The bottom of the borehole is at 18.5 ft.

|                                                              |                  |                |
|--------------------------------------------------------------|------------------|----------------|
| Type of protective cover/lock                                | Masterlock Key   |                |
| Height of top of guard pipe/roadway box above ground surface | 3.0              | ft             |
| Height of top of riser pipe above ground surface             | 2.7              | ft             |
| Type of protective casing:                                   | Galvanized Steel |                |
| Length                                                       | 5.0              | ft             |
| Inside                                                       | 4"x4"            | in             |
| Depth of bottom of guard pipe                                | 2.0              | ft             |
| Type of Seals                                                | Top of Seal (ft) | Thickness (ft) |
| Grout                                                        | 0.0              | 2.0            |
| Bentonite Seal                                               | 2.0              | 1.3            |
| Type of riser pipe:                                          | Sch 40 PVC       |                |
| Inside diameter of riser pipe                                | 2.0              | in             |
| Type of backfill around riser                                | Grout            |                |
| Diameter of borehole                                         | 8.0              | in             |
| Depth to top of well screen                                  | 4.5              | ft             |
| Type of screen                                               | Sch 40 PVC       |                |
| Screen gauge or size of openings                             | 0.01             | in             |
| Diameter of screen                                           | 2.0              | in             |
| Type of backfill around screen                               | Filter Sand      |                |
| Depth of bottom of well screen                               | 9.5              | ft             |
| Bottom of Silt trap                                          | 11.5             | ft             |
| Depth of bottom of borehole                                  | 18.5             | ft             |

|                       |    |   |                       |    |   |                          |    |   |            |    |
|-----------------------|----|---|-----------------------|----|---|--------------------------|----|---|------------|----|
| 7.2                   | ft | + | 5                     | ft | + | 2                        | ft | = | 14.2       | ft |
| Riser Pay Length (L1) |    |   | Length of screen (L2) |    |   | Length of silt trap (L3) |    |   | Pay length |    |

**COMMENTS:** \* measured from top of PVC riser

|                            |                                                                      |                                                                                                      |                               |
|----------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------|
| <b>HALEY &amp; ALDRICH</b> | <h1 style="margin: 0;">OBSERVATION WELL<br/>INSTALLATION REPORT</h1> |                                                                                                      | Well No.<br><b>SW-12-13</b>   |
|                            |                                                                      |                                                                                                      | Boring No.<br><b>SB-12-13</b> |
| <b>PROJECT</b>             | RG&E E. STATION: OFF-SITE SUPPLEMENTAL REMEDIAL                      | <b>H&amp;A FILE NO.</b>                                                                              | 36492-022                     |
| <b>LOCATION</b>            | SITE NO. V00358-8, ROCHESTER NEW YORK                                | <b>PROJECT MGR.</b>                                                                                  | D. ALLEN                      |
| <b>CLIENT</b>              | ROCHESTER GAS & ELECTRIC CORPORATION                                 | <b>FIELD REP.</b>                                                                                    | D. KELLER                     |
| <b>CONTRACTOR</b>          | NOTHNAGLE DRILLING                                                   | <b>DATE INSTALLED</b>                                                                                | 10/3/2013                     |
| <b>DRILLER</b>             | KEVIN BUSCH                                                          | <b>WATER LEVEL</b>                                                                                   | 11.5* (10/11 @ 11:50)         |
| <b>Ground El.</b>          | 401.6 ft                                                             | <b>Location</b>                                                                                      | Former building floor slab    |
| <b>El. Datum</b>           | 404.52                                                               | <input checked="" type="checkbox"/> <b>Guard Pipe</b><br><input type="checkbox"/> <b>Roadway Box</b> |                               |

| SOIL/ROCK CONDITIONS | BOREHOLE BACKFILL |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
|----------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 0.0<br><br>FILL      | 0.0<br><br>GROUT  | <div style="display: flex; align-items: center;"> <div style="flex: 1; border-left: 1px solid black; border-right: 1px solid black; position: relative; margin: 0 10px;"> <div style="position: absolute; top: 0; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 20px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 40px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 60px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 80px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 100px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 120px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 140px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 160px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 180px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 200px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 220px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 240px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 260px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 280px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 300px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 320px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 340px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 360px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 380px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 400px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 420px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 440px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 460px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 480px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 500px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 520px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 540px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 560px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 580px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 600px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 620px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 640px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 660px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 680px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 700px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 720px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 740px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 760px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 780px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 800px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 820px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 840px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 860px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 880px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 900px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 920px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 940px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 960px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 980px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1000px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1020px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1040px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1060px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1080px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1100px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1120px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1140px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1160px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1180px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1200px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1220px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1240px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1260px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1280px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1300px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1320px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1340px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1360px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1380px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1400px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1420px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1440px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1460px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1480px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1500px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1520px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1540px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1560px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1580px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1600px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1620px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1640px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1660px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1680px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1700px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1720px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1740px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1760px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1780px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1800px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1820px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1840px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1860px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1880px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1900px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1920px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1940px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1960px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 1980px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2000px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2020px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2040px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2060px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2080px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2100px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2120px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2140px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2160px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2180px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2200px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2220px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2240px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2260px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2280px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2300px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2320px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2340px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2360px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2380px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2400px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2420px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2440px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2460px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2480px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2500px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2520px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2540px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2560px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2580px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2600px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2620px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2640px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2660px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2680px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2700px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2720px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2740px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2760px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2780px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2800px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2820px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2840px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2860px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2880px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2900px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2920px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2940px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2960px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 2980px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3000px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3020px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3040px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3060px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3080px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3100px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3120px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3140px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3160px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3180px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3200px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3220px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3240px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3260px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3280px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3300px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3320px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3340px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3360px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3380px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3400px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3420px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3440px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3460px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3480px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3500px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3520px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3540px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3560px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3580px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3600px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3620px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3640px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3660px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3680px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3700px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3720px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3740px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3760px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3780px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3800px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3820px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3840px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3860px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3880px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3900px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3920px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3940px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3960px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 3980px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4000px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4020px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4040px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4060px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4080px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4100px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4120px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4140px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4160px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4180px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4200px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4220px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4240px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4260px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4280px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4300px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4320px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4340px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4360px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4380px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4400px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4420px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4440px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4460px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4480px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4500px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4520px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4540px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4560px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4580px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4600px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4620px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4640px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4660px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4680px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4700px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4720px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4740px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4760px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4780px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4800px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4820px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4840px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4860px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4880px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4900px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4920px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4940px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4960px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 4980px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 5000px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> <div style="position: absolute; top: 5020px; left: 0; right: 0; border-bottom: 1px solid black; height: 20px;"></div> </div></div> |  |  |

## **APPENDIX B**

### **Off-Site Bedrock Coring Logs and Bedrock Well Installation Reports**

## CORE BORING REPORT

Boring No. BR-12-01

Project EAST STATION FORMER MGP SITE SUPPLEMENTAL RI, ROCHESTER, NY  
Client ROCHESTER GAS & ELECTRIC CORPORATION  
Contractor NOTHNAGLE DRILLING

File No. 36492-022  
Sheet No. 1 of 6  
Start October 10, 2013  
Finish October 10, 2013  
Driller K. Busch  
H&A Rep. Keller/Nostrant  
Elevation 401.4  
Datum NYS Barge Canal  
Location See Plan

|                       | Casing | Sampler | Barrel | Drilling Equipment and Procedures               |  |
|-----------------------|--------|---------|--------|-------------------------------------------------|--|
| Type                  |        |         | NX/HQ  | Rig Make & Model: Brainard Kilman BK81-HD Truck |  |
| Inside Diameter (in.) |        |         | --     | Bit Type: Cutting Head                          |  |
| Hammer Weight (lb)    |        |         | -      | Drill Mud: None                                 |  |
| Hammer Fall (in.)     |        |         | -      | Casing: Spun                                    |  |
|                       |        |         |        | Hoist/Hammer: , Automatic Hammer                |  |

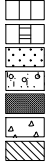
| Depth<br>(ft) | Drilling<br>Rate<br>(min./ft) | Run<br>No. | Run<br>Depth<br>(ft) | Recovery/RQD |   | Weath-<br>ering | Elev./<br>Depth<br>(ft) | Visual Description<br>and Remarks                                                                                                                                                              |
|---------------|-------------------------------|------------|----------------------|--------------|---|-----------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                               |            |                      | in.          | % |                 |                         |                                                                                                                                                                                                |
| 0             |                               |            |                      |              |   |                 |                         | Advanced Borehole to 19.8 ft<br>No Sampling<br>See SB-12-10 for overburden details<br>Obtained sample C1, then set 8 inch diameter permanent steel casing to 20 ft using the Haliburton method |
| 5             |                               |            |                      |              |   |                 |                         |                                                                                                                                                                                                |
| 10            |                               |            |                      |              |   | Highly          | 391.9<br>9.5            | TOP OF BEDROCK 9.5 FT                                                                                                                                                                          |
| 15            |                               |            |                      |              |   |                 |                         |                                                                                                                                                                                                |
| 20            | 5                             |            |                      |              |   |                 | 381.6                   |                                                                                                                                                                                                |

## Water Level Data

## Sample Identification

## Well Diagram

## Summary

| Date                | Time | Elapsed<br>Time (hr.) | Depth (ft.) to:     |                   |       | O - Open End Rod<br>T - Thin Wall Tube<br>U - Undisturbed Sample<br>S - Split Spoon<br>G - Geoprobe |  | Summary                                                                 |
|---------------------|------|-----------------------|---------------------|-------------------|-------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
|                     |      |                       | Bottom<br>of Casing | Bottom<br>of Hole | Water |                                                                                                     |                                                                                     |                                                                         |
|                     |      |                       |                     |                   |       |                                                                                                     |                                                                                     | Overburden (lin. ft.) 9.5<br>Rock Cored (lin. ft.) 142.2<br>Samples 29C |
| Boring No. BR-12-01 |      |                       |                     |                   |       |                                                                                                     |                                                                                     |                                                                         |

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley &amp; Aldrich, Inc.

## CORE BORING REPORT

Boring No. BR-12-01

File No. 36492-022

Sheet No. 2 of 6

| Depth<br>(ft) | Drilling<br>Rate<br>(min./ft) | Run<br>No. | Run<br>Depth<br>(ft) | Recovery/RQD |           | Weath-<br>ering                | Elev./<br>Depth<br>(ft) | Visual Description<br>and Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------|-------------------------------|------------|----------------------|--------------|-----------|--------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                               |            |                      | in.          | %         |                                |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 20            | 5                             | C1         | 19.8<br>24.8         | 89<br>58     | 148<br>97 | Slight to<br><br>Moder-<br>ate | 19.8                    | Moderately hard, slightly to moderately weathered, light gray to gray, aphanitic to fine grained, argillaceous LIMESTONE. Bedding horizontal, extremely thin, weak. Joints horizontal to low angle, very close to close, rough, planar to undulating, open. Two fractured zones that may account for recovery loss. Two moderately to highly weathered joints that may also account for recovery loss. Some joints discolored (not by contamination).<br><br>-IRONDEQUOIT LIMESTONE- |
| 25            | 2                             | C2         | 24.8<br>29.8         |              |           |                                | 376.4<br>25.0           | Medium hard, slightly weathered, dark green-gray aphanitic SHALE. Bedding is horizontal, very thin, joints are horizontal, planar to undulating, fissile, moderate to highly weathered joints from 25.1 to 25.7 ft.<br>-WILLIAMSON SHALE-                                                                                                                                                                                                                                            |
| 30            | 7                             | C3         | 32.0<br>37.0         | 60<br>32     | 100<br>53 | Slight                         | 368.2<br>33.2           | Medium hard, slightly weathered, gray-green with dark gray to black bands, aphanitic SHALE, bedding is horizontal, extremely thin to thin. Joints are horizontal to low angle, rough, slight to moderately weathered, open. Very close to medium light gray fossiliferous limestone interbeds observed throughout.<br>-WILLIAMSON SHALE-                                                                                                                                             |
| 35            | 6                             |            |                      |              |           |                                |                         | Medium hard, slightly weathered, gray-brown and gray-green aphanitic SHALE. Bedding is very close to close, horizontal. Joints are very close to close, slightly weathered, rough, open. No sheen or odor noted, PID-non-detect.<br>-LOWER SODUS SHALE-                                                                                                                                                                                                                              |
| 40            | 6                             | C4         | 37.0<br>42.0         | 58<br>57     | 97<br>95  | Slight                         |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 45            | 6                             | C5         | 42.0<br>47.0         | 60<br>55     | 100<br>92 | Slight                         |                         | Similar as above except joints very close to moderate<br>-LOWER SODUS SHALE-                                                                                                                                                                                                                                                                                                                                                                                                         |
|               | 5                             | C6         | 47.0<br>52.0         | 57<br>38     | 95<br>63  | Slight to<br><br>Moder-<br>ate | 354.0<br>47.4           | Hard, slight to moderately weathered, light to medium gray, fine to medium grained fossiliferous crystalline LIMESTONE. Bedding is medium to very thin, horizontal to low angle, undulating. Joints are extremely close to moderate, moderately weathered, horizontal to undulating, rough, open. No sheen or odor noted, PID-non-detect.<br>-REYNALES LIMESTONE-                                                                                                                    |

| Depth<br>(ft) | Drilling<br>Rate<br>(min./ft) | Run<br>No. | Run<br>Depth<br>(ft) | Recovery/RQD |           | Weathering | Elev./<br>Depth<br>(ft)        | Visual Description<br>and Remarks                                                                                                                                                                                                                                                                                                                                                      |
|---------------|-------------------------------|------------|----------------------|--------------|-----------|------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                               |            |                      | in.          | %         |            |                                |                                                                                                                                                                                                                                                                                                                                                                                        |
| 50            | 5                             | C6         | 47.0<br>52.0         | 57<br>38     | 95<br>63  |            |                                | Moderate to highly weathered shale joint at 49.8 ft.                                                                                                                                                                                                                                                                                                                                   |
|               | 5                             |            |                      |              |           |            |                                |                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 4                             | C7         | 52.0<br>57.0         | 60<br>31     | 100<br>52 | Slight to  |                                | Similar with frequent pits and vugs, some secondary mineralization, very close, slight to highly weathered shale interbeds, trace stylotites.<br>-REYNALES LIMESTONE-                                                                                                                                                                                                                  |
|               | 4                             |            |                      |              |           | Moderate   |                                |                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 4                             |            |                      |              |           |            |                                |                                                                                                                                                                                                                                                                                                                                                                                        |
| 55            | 5                             |            |                      |              |           |            |                                |                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 5                             |            |                      |              |           |            |                                |                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 5                             | C8         | 57.0<br>62.0         | 58<br>22     | 97<br>37  | Slight     |                                | Similar with very close, horizontal to low angle, moderate to highly weathered shale interbeds from 57.1 to 60.0. No sheen or odor noted, PID-non-detect.<br>-REYNALES LIMESTONE-                                                                                                                                                                                                      |
|               | 4                             |            |                      |              |           | Moderate   |                                | 50 gallons of water lost during coring.                                                                                                                                                                                                                                                                                                                                                |
|               | 4                             |            |                      |              |           |            |                                |                                                                                                                                                                                                                                                                                                                                                                                        |
| 60            | 5                             |            |                      |              |           |            |                                |                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 5                             |            |                      |              |           |            |                                |                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 5                             | C9         | 62.0<br>67.0         | 50<br>13     | 83<br>22  | Slight     | 339.4<br>62.0<br>338.9<br>62.5 | Hard, slightly weathered, red-brown oolitic hematitic LIMESTONE, bedding is thin, horizontal.<br>-FURNACEVILLE MEMBER-                                                                                                                                                                                                                                                                 |
|               | 5                             |            |                      |              |           |            |                                | Hard, moderately weathered medium to dark gray, fine to medium grained fossiliferous, crystalline LIMESTONE. Bedding is thin, horizontal, undulating to planar, joints are very close to close, horizontal, undulating, rough, open, moderately weathered, highly fractured, 64.0 - 71.0. Observed OLM, sheen, odor from 62.5 - 66.5 ft. PID = 97 ppm                                  |
|               | 6                             |            |                      |              |           | Moderate   |                                | -REYNALES LIMESTONE-                                                                                                                                                                                                                                                                                                                                                                   |
| 65            | 6                             |            |                      |              |           |            |                                | Note: Lost 475 gallons drilling water from 62.5 - 67.0 ft., noted odor, sheen from 67.0 - 72.0, lost 250 gallons. PID = 10 ppm                                                                                                                                                                                                                                                         |
|               | 6                             |            |                      |              |           |            |                                |                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 6                             | C10        | 67.0<br>72.0         | 39<br>4      | 65<br>7   |            |                                |                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 6                             |            |                      |              |           |            |                                |                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 6                             |            |                      |              |           |            |                                |                                                                                                                                                                                                                                                                                                                                                                                        |
| 70            | 6                             |            |                      |              |           |            |                                |                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 6                             |            |                      |              |           |            |                                |                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 6                             | C11        | 72.0<br>77.0         | 59<br>0      | 98<br>0   | Slight to  |                                | Medium hard, slight to moderately weathered gray-green aphanitic SHALE, bedding is thin to very thin, horizontal, joints are very close to close, horizontal, smooth, moderately weathered with highly to completely weathered clay layer from 80.5 - 81.5 ft. Moderate to highly fractured from 77.0 - 78.5 ft. PID = 0.7 ppm                                                         |
|               | 6                             |            |                      |              |           | Moderate   |                                |                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 6                             |            |                      |              |           |            |                                |                                                                                                                                                                                                                                                                                                                                                                                        |
| 75            | 7                             |            |                      |              |           |            |                                |                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 6                             |            |                      |              |           |            |                                |                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 6                             | C12        | 77.0<br>82.0         | 59<br>0      | 98<br>0   | Slight to  |                                | Medium hard, slight to moderately weathered, gray-green, aphanitic SHALE, bedding is thin to very thin, horizontal, joints are very close to close, horizontal, smooth, moderately weathered with highly to completely weathered clay layer from 80.5 - 81.5 ft. Moderate to highly fractured from 77.0 - 78.5 ft. Moderate to highly fractured from 77.0 - 78.5 ft. -MAPLEWOOD SHALE- |
|               | 6                             |            |                      |              |           | Moderate   |                                |                                                                                                                                                                                                                                                                                                                                                                                        |

## CORE BORING REPORT

Boring No. BR-12-01

File No. 36492-022

Sheet No. 4 of 6

H-A CORE LOG PG-1-07-1 HA-LIB09-BOS\_MAN.GLB HA-TB-CORE-WELL-07-1.GDT G:\36492\_EAST\_STATION\022 OFFSITE\OBFIELD\GINT LOGS\2013-1106-HA-36492-022\_TB.GPJ Jan 31, 14

| Depth<br>(ft) | Drilling<br>Rate<br>(min./ft) | Run<br>No. | Run<br>Depth<br>(ft) | Recovery/RQD |     | Weath-<br>ering | Elev./<br>Depth<br>(ft) | Visual Description<br>and Remarks                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------|-------------------------------|------------|----------------------|--------------|-----|-----------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                               |            |                      | in.          | %   |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 80            | 6                             | C12        | 77.0                 | 59           | 98  | Slight          | 316.8<br>84.6           | Similar as above, moderately fractured from 82.0 - 82.9 ft. Trace sheen, odor from 82.0 - 84.0 ft.                                                                                                                                                                                                                                                                                                                     |
|               | 6                             |            | 82.0                 | 0            | 0   |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 6                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 5                             | C13        | 82.0                 | 60           | 100 |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 85            | 5                             |            | 87.0                 | 22           | 37  |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 4                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 4                             | C14        |                      |              |     | Slight          | 312.0<br>89.4           | Moderately hard, slightly weathered, light gray-green, fine to medium grained SANDSTONE, bedding is horizontal, moderate to close, joints are horizontal, rough, open. Conglomerate-like bed at top of formation, red-brown mottled 85.7 - 86.1 ft. Trace sheen, odor 82.0 - 84.0 ft.<br><br>-KODAK SANDSTONE-                                                                                                         |
|               | 4                             |            | 87.0                 | 58           | 97  |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 4                             |            | 92.0                 | 57           | 95  |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 4                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 90            | 4                             | C15        |                      |              |     | Slight          | 303.1<br>98.3           | Moderately hard, slightly weathered, red-brown and gray-green mottled fine to medium grained SANDSTONE. Bedding is think to medium, horizontal, undulating. Joints are horizontal to low angle, rough, planar to stepped, open, weakly bioturbated.<br>-GRIMSBY SANDSTONE-<br>Noted: No sheen or odor, PID-non-detect.                                                                                                 |
|               | 4                             |            | 92.0                 | 54           | 90  |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 4                             |            | 97.0                 | 32           | 53  |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 3                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 95            | 3                             | C16        |                      |              |     | Slight          | 303.1<br>98.3           | Moderately hard, slightly weathered, red-brown and gray-green mottled and banded, fine grained SANDSTONE. Bedding is medium, horizontal. Joints are close to very close, horizontal to low angle, rough, open, several joints located at very thin slightly weathered shale beds.<br><br>-GRIMSBY SANDSTONE-                                                                                                           |
|               | 3                             |            | 97.0                 | 59           | 98  |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 3                             |            | 102.0                | 16           | 27  |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 3                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 100           | 3                             | C17        |                      |              |     | Slight          | 294.6<br>106.8          | Similar to above                                                                                                                                                                                                                                                                                                                                                                                                       |
|               | 3                             |            | 102.0                | 60           | 100 |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 3                             |            | 107.0                | 17           | 28  |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 3                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 105           | 3                             | C18        |                      |              |     | Slight          | 294.6<br>106.8          | Hard, slightly weathered, red-brown with green-gray mottling, fine grained SANDSTONE, bedding is medium to thin bedded, horizontal with some cross bedding. Joints are close to very close, horizontal to low angle, rough, open, no odor or sheen, PID-non-detect.<br>-GRIMSBY SANDSTONE-<br>Similar to above except weathered shale beds from 109.3 to 109.7 ft. No odor or sheen, PID detection of 2.0 at 110.5 ft. |
|               | 3                             |            | 107.0                | 58           | 97  |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 3                             |            | 112.0                | 22           | 37  |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                        |

H-A CORE LOG PG-07-1 HA-LIB09-BOS\_MAN.GLB HA-TB-CORE-WELL-07-1.GDT G:\36492\_EAST\_STATION\022 OFFSITE\OBFIELD\GINT LOGS\2013-1106-HAI-36492-022\_TB.GPJ Jan 31, 14

| Depth<br>(ft) | Drilling<br>Rate<br>(min./ft) | Run<br>No. | Run<br>Depth<br>(ft) | Recovery/RQD |     | Weath-<br>ering | Elev./<br>Depth<br>(ft) | Visual Description<br>and Remarks                                                                                                                                                                                                                                 |
|---------------|-------------------------------|------------|----------------------|--------------|-----|-----------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                               |            |                      | in.          | %   |                 |                         |                                                                                                                                                                                                                                                                   |
| 110           | 4                             | C18        | 107.0                | 58           | 97  | Slight          |                         | -GRIMSBY SANDSTONE-                                                                                                                                                                                                                                               |
|               | 4                             |            | 112.0                | 22           | 37  |                 |                         |                                                                                                                                                                                                                                                                   |
|               | 4                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                   |
|               | 4                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                   |
| 115           | 4                             | C19        | 112.0                | 60           | 100 | Slight          |                         | Similar to C17, no odor or sheen, PID-non-detect.                                                                                                                                                                                                                 |
|               | 4                             |            | 117.0                | 22           | 37  |                 |                         |                                                                                                                                                                                                                                                                   |
|               | 3                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                   |
|               | 4                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                   |
| 120           | 2                             | C20        | 117.0                | 59           | 98  | Fresh           |                         | Hard, fresh, red-brown with gray-brown mottling, fine grained SANDSTONE, bedding is thin to medium horizontal with some cross bedding, joints are close to moderate, horizontal to low angle, rough, partly open to open, no odor or sheen, PID-detect.           |
|               | 2                             |            | 122.0                | 52           | 87  |                 |                         |                                                                                                                                                                                                                                                                   |
|               | 3                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                   |
|               | 2                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                   |
| 125           | 2                             | C21        | 122.0                | 60           | 100 | Slight          |                         | Similar to above except slightly weathered with little medium grained, horizontal beds at 124.8 ft, 125.4 and 125.7 ft, weathered zones at 125.3 - 125.4 ft and 125.5 - 125.7, no odor or sheen, PID-non-detect.                                                  |
|               | 3                             |            | 127.0                | 27           | 45  |                 |                         |                                                                                                                                                                                                                                                                   |
|               | 3                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                   |
|               | 3                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                   |
| 130           | 3                             | C22        | 127.0                | 60           | 100 |                 |                         | Similar to above                                                                                                                                                                                                                                                  |
|               | 4                             |            | 132.0                | 29           | 48  |                 |                         |                                                                                                                                                                                                                                                                   |
|               | 5                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                   |
|               | 5                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                   |
| 135           | 5                             | C23        | 132.0                | 5            | 60  |                 | 272.1<br>129.3          | Hard, slightly weathered, red-brown and gray-brown banded medium to fine grained SANDSTONE, bedding thick to thin horizontal to low angle bedding, joints close to very close to low angle, rough, open, no odor or sheen, PID-non-detect.<br>-GRIMSBY SANDSTONE- |
|               | 4                             |            | 132.7                | 0            | 0   |                 |                         |                                                                                                                                                                                                                                                                   |
|               | 4                             |            | 137.0                | 52           | 101 |                 |                         |                                                                                                                                                                                                                                                                   |
|               | 4                             |            | 137.0                | 0            | 0   |                 |                         |                                                                                                                                                                                                                                                                   |
| 135           | 4                             | C24        | 132.7                | 52           | 101 |                 |                         | Similar with traces of sheen (<1 square inch) on outside surface of core.<br>Noted: Trace sheen in weathered sandstone joint at 136.1 ft.<br>Lost 300 gallons water<br>PID = 1.9 ppm                                                                              |
|               | 4                             |            | 137.0                | 0            | 0   |                 |                         |                                                                                                                                                                                                                                                                   |
|               | 4                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                   |
|               | 4                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                   |
| 135           | 4                             | C25        | 137.0                | 55           | 92  |                 |                         | Similar with traces of sheen from 137.0 - 139.6, very slight odor<br>Lost 300 gallons water<br>PID = 1.1 ppm                                                                                                                                                      |
|               | 4                             |            | 142.0                | 21           | 35  |                 |                         |                                                                                                                                                                                                                                                                   |
|               | 4                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                   |
|               | 4                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                   |

| Depth<br>(ft) | Drilling<br>Rate<br>(min./ft) | Run<br>No. | Run<br>Depth<br>(ft) | Recovery/RQD |    | Weath-<br>ering | Elev./<br>Depth<br>(ft) | Visual Description<br>and Remarks                                                                                                                                                                                                                                                                                   |
|---------------|-------------------------------|------------|----------------------|--------------|----|-----------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                               |            |                      | in.          | %  |                 |                         |                                                                                                                                                                                                                                                                                                                     |
| 140           | 5                             | C25        | 137.0                | 55           | 92 | Slight          | 256.5<br>144.9          |                                                                                                                                                                                                                                                                                                                     |
|               | 6                             |            | 142.0                | 21           | 35 |                 |                         |                                                                                                                                                                                                                                                                                                                     |
|               | 6                             |            |                      |              |    |                 |                         |                                                                                                                                                                                                                                                                                                                     |
|               | 5                             |            |                      |              |    |                 |                         |                                                                                                                                                                                                                                                                                                                     |
| 145           | 5                             | C26        | 142.0                | 57           | 95 | Slight          | 256.5<br>144.9          | Moderately hard, slightly weathered, red-brown, fine grained SHALE, bedding is medium, horizontal, joints are close to moderate, horizontal, planar to rough, partially open, no sheen or odor, PID-non-detect, weathered shale bed 144.9 - 145.1.<br>-QUEENSTON FORMATION-<br>Lost 1000 gallons drilling water.    |
|               | 5                             |            | 147.0                | 27           | 45 |                 |                         |                                                                                                                                                                                                                                                                                                                     |
|               | 5                             |            |                      |              |    |                 |                         |                                                                                                                                                                                                                                                                                                                     |
|               | 5                             |            |                      |              |    |                 |                         |                                                                                                                                                                                                                                                                                                                     |
| 150           | 5                             | C27        | 147.0                | 56           | 93 | Slight          | 256.5<br>144.9          | Similar to above except close bedded, joints horizontal to low angle, frequent argillaceous partings, no sheen or odor, PID-non-detect.                                                                                                                                                                             |
|               | 6                             |            | 152.0                | 13           | 22 |                 |                         |                                                                                                                                                                                                                                                                                                                     |
|               | 6                             |            |                      |              |    |                 |                         |                                                                                                                                                                                                                                                                                                                     |
|               | 7                             |            |                      |              |    |                 |                         |                                                                                                                                                                                                                                                                                                                     |
| 155           | 7                             | C28        | 152.0                | 57           | 95 | Slight          | 256.5<br>144.9          | Moderately hard, slightly weathered, red-brown, fine grained SHALE, bedding is medium horizontal, joints are very close to close, horizontal, rough, open, moderately weathered shale bed from 152.6 - 152.8 ft, no sheen or odor, PID-non-detect.<br>-QUEENSTON FORMATION-<br><br>Lost 550 gallons drilling water. |
|               | 6                             |            | 157.0                |              |    |                 |                         |                                                                                                                                                                                                                                                                                                                     |
|               | 6                             |            |                      |              |    |                 |                         |                                                                                                                                                                                                                                                                                                                     |
|               | 6                             |            |                      |              |    |                 |                         |                                                                                                                                                                                                                                                                                                                     |
| 160           | 6                             | C29        | 157.0                |              |    | Slight          | 256.5<br>144.9          | Lost 400 gallons water.                                                                                                                                                                                                                                                                                             |
|               | 6                             |            | 162.0                |              |    |                 |                         |                                                                                                                                                                                                                                                                                                                     |
|               |                               |            |                      |              |    |                 |                         |                                                                                                                                                                                                                                                                                                                     |
|               |                               |            |                      |              |    |                 |                         |                                                                                                                                                                                                                                                                                                                     |
| 165           |                               |            |                      |              |    |                 | 239.4<br>162.0          | BOTTOM OF EXPLORATION 162.0 FT                                                                                                                                                                                                                                                                                      |
|               |                               |            |                      |              |    |                 |                         |                                                                                                                                                                                                                                                                                                                     |
|               |                               |            |                      |              |    |                 |                         |                                                                                                                                                                                                                                                                                                                     |
|               |                               |            |                      |              |    |                 |                         |                                                                                                                                                                                                                                                                                                                     |



## CORE BORING REPORT

Boring No. BR-12-02

File No. 36492-022

Sheet No. 2 of 6

| Depth<br>(ft) | Drilling<br>Rate<br>(min./ft) | Run<br>No. | Run<br>Depth<br>(ft) | Recovery/RQD |           | Weath-<br>ering                | Elev./<br>Depth<br>(ft) | Visual Description<br>and Remarks                                                                                                                                                                                                                                                                                                                       |
|---------------|-------------------------------|------------|----------------------|--------------|-----------|--------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                               |            |                      | in.          | %         |                                |                         |                                                                                                                                                                                                                                                                                                                                                         |
| 50            | 6                             | C4         | 49.0<br>53.0         | 48<br>21     | 100<br>44 |                                |                         | noted, PID-non-detect.                                                                                                                                                                                                                                                                                                                                  |
|               | 6                             |            |                      |              |           |                                | 370.0<br>51.3           | Medium hard, slightly weathered, dark gray-green aphanitic SHALE, bedding is very thin, horizontal to low angle, joints are close to very close, horizontal, planar, open, slightly weathered, no sheen or odor noted, PID-non-detect.<br>-WILLIAMSON SHALE-                                                                                            |
|               | 7                             |            |                      |              |           |                                |                         |                                                                                                                                                                                                                                                                                                                                                         |
|               | 6                             | C5         | 53.0<br>58.0         | 60<br>5      | 100<br>8  |                                |                         | Similar with very thin dark gray to black shale beds and light gray limestone interbeds 56.3 - 57.4 ft.<br>-WILLIAMSON SHALE-                                                                                                                                                                                                                           |
|               | 7                             |            |                      |              |           |                                |                         |                                                                                                                                                                                                                                                                                                                                                         |
| 55            | 7                             |            |                      |              |           |                                |                         |                                                                                                                                                                                                                                                                                                                                                         |
|               | 7                             |            |                      |              |           |                                |                         |                                                                                                                                                                                                                                                                                                                                                         |
|               | 6                             |            |                      |              |           |                                | 363.9<br>57.4           | Medium hard, slight to moderately weathered gray-green and red-brown aphanitic SHALE. Bedding is close to very close, horizontal to low angle. Joints are very close to extremely close, horizontal, rough, open, close to moderate light to medium gray thin limestone interbeds.<br>-LOWER SODUS SHALE-                                               |
|               | 6                             | C6         | 58.0<br>63.0         | 54<br>0      | 90<br>0   | Slight to<br><br>Moder-<br>ate |                         | Similar to above except red-brown from 60.3 to end of core run.                                                                                                                                                                                                                                                                                         |
|               | 7                             |            |                      |              |           |                                |                         |                                                                                                                                                                                                                                                                                                                                                         |
| 60            | 7                             |            |                      |              |           |                                |                         |                                                                                                                                                                                                                                                                                                                                                         |
|               | 7                             |            |                      |              |           |                                |                         |                                                                                                                                                                                                                                                                                                                                                         |
|               | 7                             |            |                      |              |           |                                |                         |                                                                                                                                                                                                                                                                                                                                                         |
|               | 7                             | C7         | 63.0<br>68.0         | 60<br>0      | 100<br>0  | Slight                         |                         | Medium hard, slightly weathered, red-brown aphanitic SHALE, bedding is thin to very thin, horizontal. Joints are extremely close to close, horizontal, rough, open. Occasional medium gray fossiliferous limestone interbeds. No sheen or odor, PID-non-detect.<br>-LOWER SODUS SHALE-                                                                  |
|               | 6                             |            |                      |              |           |                                |                         |                                                                                                                                                                                                                                                                                                                                                         |
| 65            | 6                             |            |                      |              |           |                                |                         |                                                                                                                                                                                                                                                                                                                                                         |
|               | 6                             |            |                      |              |           |                                |                         |                                                                                                                                                                                                                                                                                                                                                         |
|               | 6                             |            |                      |              |           |                                |                         |                                                                                                                                                                                                                                                                                                                                                         |
|               | 6                             | C8         | 68.0<br>73.0         | 60<br>19     | 100<br>32 | Slight                         |                         | Similar to above except gray-green from 68.9 - 70.9 ft.<br>-LOWER SODUS SHALE-                                                                                                                                                                                                                                                                          |
|               | 6                             |            |                      |              |           |                                |                         |                                                                                                                                                                                                                                                                                                                                                         |
| 70            | 5                             |            |                      |              |           |                                | 350.4<br>70.9           | Hard, slightly weathered, light to dark gray, fine to medium grained crystalline LIMESTONE, bedding is very thin, horizontal to low angle, planar to undulating. Joints are very close to close, horizontal to low angle, rough, open. Frequent very thin to thin gray-green shale interbeds, no sheen or odor, PID-non-detect.<br>-REYNALES LIMESTONE- |
|               | 5                             |            |                      |              |           |                                |                         |                                                                                                                                                                                                                                                                                                                                                         |
|               | 4                             |            |                      |              |           |                                |                         |                                                                                                                                                                                                                                                                                                                                                         |
|               | 4                             | C9         | 73.0<br>78.0         | 60<br>57     | 100<br>95 |                                |                         | Similar to above except fewer shale interbeds, frequent stylolites, fossiliferous.                                                                                                                                                                                                                                                                      |
|               | 4                             |            |                      |              |           |                                |                         |                                                                                                                                                                                                                                                                                                                                                         |
| 75            | 4                             |            |                      |              |           |                                |                         |                                                                                                                                                                                                                                                                                                                                                         |
|               | 3                             |            |                      |              |           |                                |                         |                                                                                                                                                                                                                                                                                                                                                         |
|               | 3                             |            |                      |              |           |                                |                         |                                                                                                                                                                                                                                                                                                                                                         |
|               | 3                             | C10        | 78.0<br>83.0         | 60<br>54     | 100<br>90 |                                |                         | Hard, slightly weathered, light to dark gray, fine to medium grained crystalline LIMESTONE, bedding is very thin to thin, horizontal, undulating. Joints are very close to moderate, horizontal, slightly undulating, rough, open.                                                                                                                      |
|               | 3                             |            |                      |              |           |                                |                         |                                                                                                                                                                                                                                                                                                                                                         |

H-A CORE LOG PG-07-1 HA-LIB09-BOS\_MAN.GLB HA-TB-CORE-WELL-07-1.GDT G:\36492\_EAST\_STATION\022 OFFSITE\OBFIELD\GINT LOGS\2013-1106-HAI-36492-022\_TB.GPJ Jan 31, 14

| Depth<br>(ft) | Drilling<br>Rate<br>(min./ft) | Run<br>No. | Run<br>Depth<br>(ft) | Recovery/RQD |           | Weath-<br>ering | Elev./<br>Depth<br>(ft)        | Visual Description<br>and Remarks                                                                                                                                                                                                                                                                                                                                       |
|---------------|-------------------------------|------------|----------------------|--------------|-----------|-----------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                               |            |                      | in.          | %         |                 |                                |                                                                                                                                                                                                                                                                                                                                                                         |
| 80            | 3                             | C10        | 78.0<br>83.0         | 60<br>54     | 100<br>90 |                 |                                |                                                                                                                                                                                                                                                                                                                                                                         |
|               | 3                             |            |                      |              |           |                 |                                |                                                                                                                                                                                                                                                                                                                                                                         |
|               | 3                             |            |                      |              |           |                 |                                |                                                                                                                                                                                                                                                                                                                                                                         |
|               | 3                             | C11        | 83.0<br>88.0         | 59<br>40     | 98<br>67  | Slight          |                                |                                                                                                                                                                                                                                                                                                                                                                         |
|               | 4                             |            |                      |              |           |                 |                                |                                                                                                                                                                                                                                                                                                                                                                         |
| 85            | 3                             |            |                      |              |           | Slight          |                                |                                                                                                                                                                                                                                                                                                                                                                         |
|               | 3                             |            |                      |              |           |                 | 335.4<br>85.9<br>335.0<br>86.3 | Hard, slightly weathered, red-brown, fine to medium grained hematitic LIMESTONE, fossiliferous<br>-FURNACEVILLE MEMBER-                                                                                                                                                                                                                                                 |
|               | 4                             |            |                      |              |           |                 |                                | Hard, slightly weathered, light to dark gray-green, fine to medium grained crystalline LIMESTONE, bedding is very thin, horizontal, undulating. Joints are extremely close to close horizontal, rough, open, frequent gray-green shale interbeds.<br>-RAYNALES LIMESTONE-                                                                                               |
|               | 4                             | C12        | 88.0<br>93.0         | 60<br>8      | 100<br>13 | Slight          |                                |                                                                                                                                                                                                                                                                                                                                                                         |
|               | 7                             |            |                      |              |           |                 | 332.0<br>89.3                  | Moderately hard, slightly weathered medium green-gray, argillaceous SHALE, bedding is very thin to thin, horizontal, planar. Joints are very close, horizontal, smooth to rough.<br>-MAPLEWOOD SHALE-                                                                                                                                                                   |
| 90            | 7                             |            |                      |              |           |                 |                                |                                                                                                                                                                                                                                                                                                                                                                         |
|               | 8                             |            |                      |              |           |                 |                                |                                                                                                                                                                                                                                                                                                                                                                         |
|               | 8                             |            |                      |              |           |                 |                                |                                                                                                                                                                                                                                                                                                                                                                         |
|               | 7                             | C13        | 93.0<br>98.0         | 56<br>9      | 93<br>15  |                 |                                | Similar with frequent moderately dipping tight joints and highly fractured from 94.0 - 95.9 ft. Rough, vertical fractures 96.4 - 97.1 ft.                                                                                                                                                                                                                               |
|               | 7                             |            |                      |              |           |                 |                                |                                                                                                                                                                                                                                                                                                                                                                         |
| 95            | 8                             |            |                      |              |           |                 |                                |                                                                                                                                                                                                                                                                                                                                                                         |
|               | 8                             |            |                      |              |           |                 |                                |                                                                                                                                                                                                                                                                                                                                                                         |
|               | 7                             |            |                      |              |           |                 |                                |                                                                                                                                                                                                                                                                                                                                                                         |
|               | 6                             | C14        | 98.0<br>103.0        | 58<br>0      | 97<br>0   |                 |                                | Moderately hard, slightly weathered, green-gray, aphanitic argillaceous SHALE, bedded is thin to very thin, horizontal, joints are very close, horizontal, slightly weathered, rough. Moderately dipping, tight fractures from 98.7 - 99.4 ft., no sheen or odor, PID-non-detect.<br>-MAPLEWOOD SHALE-<br>Note: RQD suspected low due to close spaced tight joint sets. |
|               | 6                             |            |                      |              |           |                 |                                |                                                                                                                                                                                                                                                                                                                                                                         |
| 100           | 6                             |            |                      |              |           |                 |                                |                                                                                                                                                                                                                                                                                                                                                                         |
|               | 7                             |            |                      |              |           |                 |                                |                                                                                                                                                                                                                                                                                                                                                                         |
|               | 6                             |            |                      |              |           |                 |                                |                                                                                                                                                                                                                                                                                                                                                                         |
|               | 7                             | C15        | 103.0<br>108.0       | 60<br>11     | 100<br>18 |                 |                                | Similar to above with fractured areas at 103.4 - 103.6, 104.9 - 105.1 ft.<br>-MAPLEWOOD SHALE-                                                                                                                                                                                                                                                                          |
|               | 7                             |            |                      |              |           |                 |                                |                                                                                                                                                                                                                                                                                                                                                                         |
| 105           | 6                             |            |                      |              |           |                 |                                |                                                                                                                                                                                                                                                                                                                                                                         |
|               | 6                             |            |                      |              |           |                 |                                |                                                                                                                                                                                                                                                                                                                                                                         |
|               | 6                             |            |                      |              |           |                 | 314.0<br>107.3                 | Moderately hard, slightly weathered, medium gray-green and red-brown mottled, fine to medium grained SANDSTONE, bedding is medium, horizontal, joints are close, horizontal, rough, undulating.<br>-KODAK SANDSTONE-                                                                                                                                                    |
|               | 5                             | C16        | 108.0<br>113.1       | 61<br>56     | 100<br>92 |                 |                                | Similar, bioturbated                                                                                                                                                                                                                                                                                                                                                    |

## CORE BORING REPORT

Boring No. BR-12-02

File No. 36492-022

Sheet No. 4 of 6

| Depth<br>(ft) | Drilling<br>Rate<br>(min./ft) | Run<br>No. | Run<br>Depth<br>(ft) | Recovery/RQD |     | Weath-<br>ering | Elev./<br>Depth<br>(ft) | Visual Description<br>and Remarks                                                                                                                                                                                                                                                                                                                    |
|---------------|-------------------------------|------------|----------------------|--------------|-----|-----------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                               |            |                      | in.          | %   |                 |                         |                                                                                                                                                                                                                                                                                                                                                      |
| 110           | 5                             | C16        | 108.0                | 61           | 100 |                 | 309.1                   |                                                                                                                                                                                                                                                                                                                                                      |
|               | 5                             |            | 113.1                | 56           | 92  |                 |                         |                                                                                                                                                                                                                                                                                                                                                      |
|               | 4                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                                                                                                      |
|               | 4                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                                                                                                      |
|               | 3                             | C17        | 113.1                | 61           | 100 |                 | 112.2                   | Hard, slightly weathered, red-brown and gray-green mottled, fine grained SANDSTONE, bedding is medium horizontal, swirly, joints are close to medium rough, undulating. Bioturbated with frequent silty infilling. Noted slight sheen on wash water, no odor, PID-non-detect.<br>-GRIMSBY SANDSTONE-                                                 |
|               | 3                             |            | 118.2                | 59           | 96  |                 |                         |                                                                                                                                                                                                                                                                                                                                                      |
| 115           | 3                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                                                                                                      |
|               | 3                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                                                                                                      |
|               | 3                             | C18        |                      |              |     |                 |                         | Similar to above except no sheen, odor, PID non-detect. Joints horizontal to low angle, rough, no odor, no sheen, PID-non-detect.                                                                                                                                                                                                                    |
|               | 4                             |            | 118.2                | 60           | 100 |                 |                         |                                                                                                                                                                                                                                                                                                                                                      |
|               | 3                             |            | 123.2                | 59           | 98  |                 |                         |                                                                                                                                                                                                                                                                                                                                                      |
| 120           | 4                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                                                                                                      |
|               | 3                             | C19        |                      |              |     |                 | 299.3                   | Hard, slightly weathered, red-brown and gray-green mottled, fine to medium grained SANDSTONE, bedding is medium, horizontal, joints are close to moderate, horizontal, rough, tight to open, bioturbated, no odor, no sheen<br>-GRIMSBY SANDSTONE-<br>Similar to above                                                                               |
|               | 4                             |            | 123.2                | 56           | 99  |                 |                         |                                                                                                                                                                                                                                                                                                                                                      |
|               | 3                             |            | 127.9                | 51           | 90  |                 |                         |                                                                                                                                                                                                                                                                                                                                                      |
| 125           | 3                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                                                                                                      |
|               | 3                             | C20        |                      |              |     |                 |                         | Similar to above except weathered shale joints at 128.9, 129.8, 131.1, 131.7 ft.<br>Note: Lost 20 gallons of drilling fluid, no odor, no sheen, PID-non-detect.                                                                                                                                                                                      |
|               | 3                             |            | 127.9                | 61           | 100 |                 |                         |                                                                                                                                                                                                                                                                                                                                                      |
|               | 4                             |            | 133.0                | 43           | 70  |                 |                         |                                                                                                                                                                                                                                                                                                                                                      |
| 130           | 3                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                                                                                                      |
|               | 4                             | C21        |                      |              |     |                 | 289.6                   | Hard, slightly weathered, red-brown with gray to gray-green banding and mottling, fine grained SANDSTONE. Bedding is very thin to thin, horizontal to low angle, joints are close to very close, horizontal, undulating, rough, open, trace to little fossils.<br>-GRIMSBY SANDSTONE-<br>Similar to above except cross bedded from 134.9 - 136.2 ft. |
|               | 3                             |            | 133.0                | 60           | 100 |                 |                         |                                                                                                                                                                                                                                                                                                                                                      |
|               | 4                             |            | 138.0                | 47           | 78  |                 |                         |                                                                                                                                                                                                                                                                                                                                                      |
| 135           | 5                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                                                                                                      |
|               | 6                             | C22        |                      |              |     |                 | 131.7                   | Similar to above except shaley interbed at 138.5 ft. Joints very close to medium, bioturbated.                                                                                                                                                                                                                                                       |
|               | 6                             |            | 138.0                | 59           | 100 |                 |                         |                                                                                                                                                                                                                                                                                                                                                      |
|               |                               |            | 142.9                | 50           | 85  |                 |                         |                                                                                                                                                                                                                                                                                                                                                      |
|               |                               |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                                                                                                                      |

| Depth<br>(ft) | Drilling<br>Rate<br>(min./ft) | Run<br>No. | Run<br>Depth<br>(ft) | Recovery/RQD |           | Weath-<br>ering            | Elev./<br>Depth<br>(ft) | Visual Description<br>and Remarks                                                                                                                                                                                                                                                                                                                                  |
|---------------|-------------------------------|------------|----------------------|--------------|-----------|----------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                               |            |                      | in.          | %         |                            |                         |                                                                                                                                                                                                                                                                                                                                                                    |
| 140           |                               | C22        | 138.0<br>142.9       | 59<br>50     | 100<br>85 |                            |                         |                                                                                                                                                                                                                                                                                                                                                                    |
| 145           |                               | C23        | 142.9<br>148.0       | 61<br>58     | 100<br>95 | Slight                     |                         | Similar to above except very close green-gray banded, medium bedded.                                                                                                                                                                                                                                                                                               |
| 150           |                               | C24        | 148.0<br>153.0       | 59<br>42     | 98<br>70  | Slight                     | 272.7<br>148.6          | Hard, slightly weathered, red-brown and green-gray banded, fine to medium grained SANDSTONE. Bedding is very close, horizontal to low angle. Joints are very close to medium, horizontal to low angle, smooth to rough, partially open to open.<br>-GRIMSBY SANDSTONE-                                                                                             |
| 155           |                               | C25        | 153.0<br>158.0       | 56<br>18     | 93<br>30  | Slight to<br>Moder-<br>ate |                         | Similar to above except medium grained, poorly cemented, red-brown with trace of gray mottling.<br>-GRIMSBY SANDSTONE-                                                                                                                                                                                                                                             |
| 160           | 2<br>2<br>2<br>2              | C26        | 158.0<br>163.0       | 49<br>22     | 82<br>37  | Slight to<br>Moder-<br>ate |                         | Hard, slightly to moderately weathered, red-brown with gray-brown banding, fine to medium grained SANDSTONE, horizontal thin bedding, joints are close, low angle to moderately dipping, rough, open throughout, vertical fracture noted from 160.2 - 160.3, no odor or sheen, PID-non-detect.<br>-GRIMSBY SANDSTONE-                                              |
| 165           | 3<br>5<br>5<br>5<br>5         | C27        | 163.0<br>168.0       | 60<br>37     | 100<br>62 | Slight                     | 258.0<br>163.3          | Similar to above except highly weathered from 163.0 - 163.1<br>Hard, slightly weathered, red-brown with green-gray mottling, fine grained SHALE, horizontal very thin bedding, joints are close to moderate, low angle, rough, open, highly weathered zone from 166.9 - 167.0 ft and 167.5 - 168.0 ft., no odor or sheen, PID-non-detect.<br>-QUEENSTON FORMATION- |

HA-A CORE LOG PG1-07-1 HA-LIB09-BOS\_MAN\_GLB HA-TB+CORE+WELL-07-1.GDT G:\36492\_EAST\_STATION022 OFFSITE OB\FIELD\GINT LOGS\2013-11\06-HAL-36492-022\_TB.GPJ Jan 31, 14

## CORE BORING REPORT

Boring No. BR-12-02

File No. 36492-022

Sheet No. 6 of 6

| Depth<br>(ft) | Drilling<br>Rate<br>(min./ft) | Run<br>No. | Run<br>Depth<br>(ft) | Recovery/RQD |     | Weath-<br>ering | Elev./<br>Depth<br>(ft) | Visual Description<br>and Remarks                                                                                                                                                                                                                |
|---------------|-------------------------------|------------|----------------------|--------------|-----|-----------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                               |            |                      | in.          | %   |                 |                         |                                                                                                                                                                                                                                                  |
| 170           | 5                             | C28        | 168.0                | 60           | 100 | Fresh           | 243.3<br>178.0          | Hard, fresh, red-brown with green-gray mottling, fine grained SHALE, horizontal very thin bedding, joints are close to moderate, horizontal to low angle, rough, open throughout, no odor or sheen, PID-non-detect.<br><br>-QUEENSTON FORMATION- |
|               | 5                             |            | 173.0                | 40           | 67  |                 |                         |                                                                                                                                                                                                                                                  |
|               | 5                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
|               | 5                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
|               | 5                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
| 175           | 5                             | C29        | 173.0                | 60           | 100 |                 |                         | Similar to above, no odor or sheen, PID-non-detect.                                                                                                                                                                                              |
|               | 5                             |            | 178.0                | 36           | 60  |                 |                         |                                                                                                                                                                                                                                                  |
|               | 5                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
|               | 5                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
|               | 5                             |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
| 180           | 5                             |            |                      |              |     |                 |                         | BOTTOM OF EXPLORATION 178.0 FT                                                                                                                                                                                                                   |
|               |                               |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
|               |                               |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
|               |                               |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
|               |                               |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
| 185           |                               |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
|               |                               |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
|               |                               |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
|               |                               |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
|               |                               |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
| 190           |                               |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
|               |                               |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
|               |                               |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
|               |                               |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
|               |                               |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
| 195           |                               |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
|               |                               |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
|               |                               |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
|               |                               |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |
|               |                               |            |                      |              |     |                 |                         |                                                                                                                                                                                                                                                  |

## TEST BORING REPORT

Boring No. BR-12-03

Project EAST STATION FORMER MGP SITE SUPPLEMENTAL RI, ROCHESTER, NY  
 Client ROCHESTER GAS & ELECTRIC CORPORATION  
 Contractor NOTHNAGLE DRILLING

File No. 36492-022  
 Sheet No. 1 of 7  
 Start October 14, 2013  
 Finish October 14, 2013  
 Driller K. Busch

H&amp;A Rep. Keller/Nostrant

Elevation 399.2  
 Datum NYS Barge Canal

Location See Plan

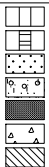
|                       |                         | Casing                  | Sampler           | Barrel                         | Drilling Equipment and Procedures    |                                                                                                                                                                                                                                                                       | Finish October 14, 2013<br>Driller K. Busch |        |          |          |        |            |           |           |            |          |  |
|-----------------------|-------------------------|-------------------------|-------------------|--------------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------|----------|----------|--------|------------|-----------|-----------|------------|----------|--|
| Type                  |                         | HSA                     | G                 | --                             | Rig Make & Model: BK-81 Truck Mount  |                                                                                                                                                                                                                                                                       | H&A Rep. Keller/Nostrant                    |        |          |          |        |            |           |           |            |          |  |
| Inside Diameter (in.) |                         | 4 1/4                   | 1 5/8             | --                             | Bit Type: Cutting Head               |                                                                                                                                                                                                                                                                       | Elevation 399.2                             |        |          |          |        |            |           |           |            |          |  |
| Hammer Weight (lb)    |                         | -                       | 140               | -                              | Drill Mud: None                      |                                                                                                                                                                                                                                                                       | Datum NYS Barge Canal                       |        |          |          |        |            |           |           |            |          |  |
| Hammer Fall (in.)     |                         | -                       | 30                | -                              | Casing: Spun                         |                                                                                                                                                                                                                                                                       | Location See Plan                           |        |          |          |        |            |           |           |            |          |  |
|                       |                         |                         |                   |                                | Hoist/Hammer: Winch Automatic Hammer |                                                                                                                                                                                                                                                                       |                                             |        |          |          |        |            |           |           |            |          |  |
|                       |                         |                         |                   |                                | PID Make & Model: MiniRAE 3000       |                                                                                                                                                                                                                                                                       |                                             |        |          |          |        |            |           |           |            |          |  |
| Depth (ft)            | Sampler Blows per 6 in. | Sample No. & Rec. (in.) | Sample Depth (ft) | Stratum Change Elev/Depth (ft) | USCS Symbol                          | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br><br>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION)                                                                        | Gravel                                      |        | Sand     |          |        | Field Test |           |           |            |          |  |
|                       |                         |                         |                   |                                |                                      |                                                                                                                                                                                                                                                                       | % Coarse                                    | % Fine | % Coarse | % Medium | % Fine | % Fines    | Dilatancy | Toughness | Plasticity | Strength |  |
| 0                     |                         | G1<br>41                | 0.0<br>4.0        |                                | ML                                   | Brown sandy SILT with gravel (ML), mps 20 mm, no odor, dry, trace clay, concrete fragments from 3.8 - 4.0 ft<br><br>-FILL-<br><br>Advanced through obstruction (suspected concrete) to 4.5 ft.<br><br>PID = ND ppm                                                    | 5                                           | 10     | 5        | 10       | 15     | 55         |           |           |            |          |  |
|                       |                         |                         |                   |                                |                                      |                                                                                                                                                                                                                                                                       |                                             |        |          |          |        |            |           |           |            |          |  |
| 5                     |                         | G2<br>6                 | 4.5<br>7.0        |                                |                                      | Gray-brown-red CONCRETE FRAGMENTS with brick, mps 30 mm, no odor, moist, trace to little gray ash-like material (ALM), coke-like material, wood, glass<br><br>-FILL-<br>Observed refusal at 7.0 ft. Advance augers through obstruction to 8.0 ft.<br><br>PID = ND ppm |                                             |        |          |          |        |            |           |           |            |          |  |
|                       |                         |                         |                   |                                |                                      |                                                                                                                                                                                                                                                                       |                                             |        |          |          |        |            |           |           |            |          |  |
|                       |                         | G3<br>2                 | 8.0<br>12.0       |                                | GP                                   | Gray-brown poorly graded GRAVEL with silt (GP), mps 30 mm, no odor, wet<br>Note: Poor recovery, large aggregate lodged in shoe of sampler.<br><br>-FILL-<br><br>PID = ND ppm                                                                                          |                                             |        |          |          |        |            |           |           |            |          |  |
| 10                    |                         |                         |                   |                                |                                      |                                                                                                                                                                                                                                                                       |                                             |        |          |          |        |            |           |           |            |          |  |
|                       |                         | G4<br>23                | 12.0<br>16.0      |                                | ML                                   | Gray-brown sandy SILT (ML), mps 15 mm, no odor, moist<br><br>PID = ND ppm<br>Black-white-tan mottled ALM, mps 10 mm, no odor, wet, trace to little clinker-like material<br><br>-FILL-<br><br>PID = ND ppm                                                            | 5                                           | 15     | 10       | 10       | 60     |            |           |           |            |          |  |
| 15                    |                         |                         |                   |                                |                                      |                                                                                                                                                                                                                                                                       |                                             |        |          |          |        |            |           |           |            |          |  |
|                       |                         | G5<br>26                | 16.0<br>20.0      | 382.7<br>16.5                  | SP                                   | Gray-brown poorly graded SAND (SP), mps 1 mm, weakly laminated, slight organic odor, wet<br><br>PID = ND ppm                                                                                                                                                          |                                             |        |          | 5        | 90     | 5          |           |           |            |          |  |
| 20                    |                         |                         |                   |                                |                                      |                                                                                                                                                                                                                                                                       |                                             |        |          |          |        |            |           |           |            |          |  |

## Water Level Data

## Sample ID

## Well Diagram

## Summary

| Date | Time | Elapsed Time (hr.) | Depth (ft) to:   |                |       | O - Open End Rod<br>T - Thin Wall Tube<br>U - Undisturbed Sample<br>S - Split Spoon Sample |  | Overburden (ft)<br>Rock Cored (ft)<br>Samples 7G, 24C |
|------|------|--------------------|------------------|----------------|-------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------|
|      |      |                    | Bottom of Casing | Bottom of Hole | Water |                                                                                            |                                                                                     |                                                       |
|      |      |                    |                  |                |       |                                                                                            |                                                                                     |                                                       |
|      |      |                    |                  |                |       |                                                                                            |                                                                                     |                                                       |

Boring No. BR-12-03

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

\*Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

## TEST BORING REPORT

Boring No. BR-12-03

File No. 36492-022

Sheet No. 2 of 7

| Depth (ft) | Sampler Blows<br>per 6 in. | Sample No.<br>& Rec. (in.) | Sample<br>Depth (ft) | Stratum<br>Change<br>Elev/Depth (ft) | USCS Symbol   | VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION<br><br>(Density/consistency, color, GROUP NAME, max. particle size*,<br>structure, odor, moisture, optional descriptions<br>GEOLOGIC INTERPRETATION) | Gravel   |        | Sand     |          |        | Field Test |           |           |            |          |
|------------|----------------------------|----------------------------|----------------------|--------------------------------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------|----------|--------|------------|-----------|-----------|------------|----------|
|            |                            |                            |                      |                                      |               |                                                                                                                                                                                                   | % Coarse | % Fine | % Coarse | % Medium | % Fine | % Fines    | Dilatancy | Toughness | Plasticity | Strength |
| 20         |                            | G6<br>43                   | 20.0<br>24.0         | 379.2<br>20.0                        | SP-<br>SM     | Gray-brown poorly graded SAND with silt (SP-SM), mps < 1 mm, light brown silt interbeds, slight organic odor, wet<br><br>PID = ND ppm                                                             |          |        |          |          |        |            |           |           |            |          |
|            |                            |                            |                      | 375.7<br>23.5                        |               | Gray-brown lean CLAY with sand, mps 3 mm, slight organic odor, moist<br>PID = ND ppm                                                                                                              |          |        |          | 10       | 5      | 85         |           |           |            |          |
|            |                            | G7<br>2                    | 24.0<br>24.2         | 375.3<br>23.9                        | 375.0<br>24.2 | Gray-brown moderately weathered SHALE, mps 20 mm, no odor, moist<br>-WEATHERED BEDROCK-<br>PID = ND ppm<br><br>SEE CORE BORING REPORT FOR ROCK DETAILS                                            |          |        |          |          |        |            |           |           |            |          |
| 25         |                            |                            |                      |                                      |               |                                                                                                                                                                                                   |          |        |          |          |        |            |           |           |            |          |
| 30         |                            |                            |                      |                                      |               |                                                                                                                                                                                                   |          |        |          |          |        |            |           |           |            |          |
| 35         |                            |                            |                      |                                      |               |                                                                                                                                                                                                   |          |        |          |          |        |            |           |           |            |          |
| 40         |                            |                            |                      |                                      |               |                                                                                                                                                                                                   |          |        |          |          |        |            |           |           |            |          |
| 45         |                            |                            |                      |                                      |               |                                                                                                                                                                                                   |          |        |          |          |        |            |           |           |            |          |

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley &amp; Aldrich, Inc.

Boring No. BR-12-03

## CORE BORING REPORT

Boring No. BR-12-03

File No. 36492-022

Sheet No. 3 of 7

| Depth<br>(ft) | Drilling<br>Rate<br>(min./ft) | Run<br>No. | Run<br>Depth<br>(ft) | Recovery/RQD |     | Weath-<br>ering                | Elev./<br>Depth<br>(ft)                | Visual Description<br>and Remarks                                                                                                                                                                                                                                                                                                                                               |
|---------------|-------------------------------|------------|----------------------|--------------|-----|--------------------------------|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                               |            |                      | in.          | %   |                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                 |
| 25            | 1.5                           | C1         | 24.2                 | 56           | 97  | Slight to<br><br>Moder-<br>ate | 375.0<br>24.2<br><br><br>371.7<br>27.5 | <i>SEE TEST BORING REPORT FOR OVERBURDEN DETAILS</i>                                                                                                                                                                                                                                                                                                                            |
|               | 3                             |            | 29.0                 | 28           | 49  |                                |                                        | Medium hard, slightly to moderately weathered, gray-green with light gray, dark gray and black banding, aphanitic, SHALE. Bedding horizontal to low angle, very thin, planar to slightly undulating. Joints horizontal, very close to close, rough, planar to undulating, open, weathered. Frequent very thin, irregular bedded, light gray, fossiliferous limestone interbeds. |
|               | 6                             |            |                      |              |     |                                |                                        | -WILLIAMSON SHALE-                                                                                                                                                                                                                                                                                                                                                              |
|               | 5                             |            |                      |              |     |                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                 |
|               | 4                             |            |                      |              |     |                                |                                        | Medium hard, fresh to slightly weathered, dark green-gray, aphanitic, SHALE with occasional gray limestone beds. Bedding horizontal, extremely thin to very thin. Joints horizontal, extremely close to close, rough, planar to slightly undulating, open.                                                                                                                      |
| 30            | 3.5                           | C2         | 29.0                 | 60           | 100 |                                |                                        | -LOWER SODUS SHALE-                                                                                                                                                                                                                                                                                                                                                             |
|               | 4                             |            | 34.0                 | 48           | 80  |                                |                                        | Similar to above except with red-brown layers.                                                                                                                                                                                                                                                                                                                                  |
|               | 3.5                           |            |                      |              |     |                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                 |
|               | 3.5                           |            |                      |              |     |                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                 |
|               | -                             |            |                      |              |     |                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                 |
| 35            | 4                             | C3         | 34.0                 | 60           | 100 |                                |                                        | Medium hard, fresh, red-brown with dark green-gray layers, aphanitic, SHALE. Bedding horizontal, extremely thin, planar to slightly undulating. Joints horizontal, very close to wide, smooth, planar to slightly undulating, open.                                                                                                                                             |
|               | 3.5                           |            | 39.0                 | 59           | 98  |                                |                                        | Note: Bedding planes weaken as rock core dries out.                                                                                                                                                                                                                                                                                                                             |
|               | 3.5                           |            |                      |              |     |                                |                                        | -LOWER SODUS SHALE-                                                                                                                                                                                                                                                                                                                                                             |
|               | 3.5                           |            |                      |              |     |                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                 |
|               | 3.5                           |            |                      |              |     |                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                 |
| 40            | 3.5                           | C4         | 39.0                 | 60           | 100 |                                | 359.0<br>40.2                          | Similar to above except dark green-gray.                                                                                                                                                                                                                                                                                                                                        |
|               | 3.5                           |            | 44.0                 | 19           | 32  |                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                 |
|               | 4.5                           |            |                      |              |     |                                |                                        | Hard, fresh, light gray to gray, fine to medium grained, LIMESTONE with frequent dark green-gray shale interbeds, bedding horizontal, very thin. Joints horizontal to low angle, very close to close, rough, undulating, open, tend to be in softer, slightly weathered shale. Clay in filling at 43.5 ft.                                                                      |
|               | 4.5                           |            |                      |              |     |                                |                                        | -REYNALES LIMESTONE-                                                                                                                                                                                                                                                                                                                                                            |
|               | 5.5                           |            |                      |              |     |                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                 |
| 45            | 6                             | C5         | 44.0                 | 60           | 100 |                                |                                        | Similar to above except joints very close to moderately close.                                                                                                                                                                                                                                                                                                                  |
|               | 6                             |            | 49.0                 | 48           | 80  |                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                 |
|               | 6                             |            |                      |              |     |                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                 |
|               | 7                             |            |                      |              |     |                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                 |
|               | 7                             |            |                      |              |     |                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                 |
| 50            | 7                             | C6         | 49.0                 | 60           | 100 |                                |                                        | Similar to above except joints very close to moderately close.                                                                                                                                                                                                                                                                                                                  |
|               | 7                             |            | 54.0                 | 48           | 80  |                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                 |
|               | 6.5                           |            |                      |              |     |                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                 |
|               | 6                             |            |                      |              |     |                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                 |
|               | 6                             |            |                      |              |     |                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                 |
| 55            | 5.5                           |            |                      |              |     |                                |                                        |                                                                                                                                                                                                                                                                                                                                                                                 |

## CORE BORING REPORT

Boring No. BR-12-03

File No. 36492-022

Sheet No. 4 of 7

| Depth<br>(ft) | Drilling<br>Rate<br>(min./ft) | Run<br>No. | Run<br>Depth<br>(ft) | Recovery/RQD |            | Weath-<br>ering | Elev./<br>Depth<br>(ft)        | Visual Description<br>and Remarks                                                                                                                                                                                                                                                       |
|---------------|-------------------------------|------------|----------------------|--------------|------------|-----------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                               |            |                      | in.          | %          |                 |                                |                                                                                                                                                                                                                                                                                         |
| 55            | 6                             | C7         | 54.0<br>59.0         | 60<br>40     | 100<br>67  |                 |                                | Similar to above except joints very close to moderately close.                                                                                                                                                                                                                          |
|               | 6                             |            |                      |              |            |                 | 343.3<br>55.9<br>342.9<br>56.3 | Hard, fresh red-brown, fine to medium grained hematitic limestone. Furnaceville member.                                                                                                                                                                                                 |
|               | 5.5                           |            |                      |              |            |                 |                                |                                                                                                                                                                                                                                                                                         |
|               | 4.5                           |            |                      |              |            |                 |                                | REYNALES LIMESTONE                                                                                                                                                                                                                                                                      |
|               | 4.5                           | C8         | 59.0<br>64.0         | 58<br>46     | 97<br>77   |                 | 340.2<br>59.0                  | Moderately hard, fresh, light green-gray, aphanitic, SHALE. Bedding horizontal, extremely thin. Joints horizontal to moderately dipping, very close to moderately close, rough, planar, open. Fractured zone at transition that likely accounts for lost recovery.<br>-MAPLEWOOD SHALE- |
| 60            | 4                             |            |                      |              |            |                 |                                |                                                                                                                                                                                                                                                                                         |
|               | 4.5                           |            |                      |              |            |                 |                                |                                                                                                                                                                                                                                                                                         |
|               | 4.5                           |            |                      |              |            |                 |                                |                                                                                                                                                                                                                                                                                         |
|               | 4.5                           |            |                      |              |            |                 |                                |                                                                                                                                                                                                                                                                                         |
|               | 4.5                           | C9         | 64.0<br>69.0         | 60<br>50     | 100<br>83  |                 |                                | Similar to above except joints slightly weathered from 64.4 - 64.7 ft.                                                                                                                                                                                                                  |
| 65            | 5.5                           |            |                      |              |            |                 |                                |                                                                                                                                                                                                                                                                                         |
|               | 5                             |            |                      |              |            |                 |                                |                                                                                                                                                                                                                                                                                         |
|               | 4                             |            |                      |              |            |                 |                                |                                                                                                                                                                                                                                                                                         |
|               | 4                             |            |                      |              |            |                 |                                |                                                                                                                                                                                                                                                                                         |
|               | 4                             | C10        | 69.0<br>74.0         | 59<br>52     | 98<br>87   |                 |                                | Moderately hard, fresh, light green-gray, aphanitic, SHALE. Bedding horizontal, extremely thin. Joints horizontal, extremely close to moderately close, rough, planar, tight to open.                                                                                                   |
| 70            | 4                             |            |                      |              |            |                 |                                |                                                                                                                                                                                                                                                                                         |
|               | 4                             |            |                      |              |            |                 |                                |                                                                                                                                                                                                                                                                                         |
|               | 4.5                           |            |                      |              |            |                 |                                |                                                                                                                                                                                                                                                                                         |
|               | 4.5                           |            |                      |              |            |                 |                                |                                                                                                                                                                                                                                                                                         |
|               | 4                             | C11        | 74.0<br>79.0         | 58<br>47     | 97<br>78   |                 |                                | Similar to above except moderately weathered joint from 74.1 - 74.2 with slight naphthalene-like odor, PID = 0.5 ppm and moderately weathered joints from 75.0 - 75.2 ft with slight naphthalene-like odor, PID = 2.5 ppm.<br>No sheen noted on drill water.                            |
| 75            | 4                             |            |                      |              |            |                 |                                |                                                                                                                                                                                                                                                                                         |
|               | 4                             |            |                      |              |            |                 |                                |                                                                                                                                                                                                                                                                                         |
|               | 4                             |            |                      |              |            |                 |                                |                                                                                                                                                                                                                                                                                         |
|               | 4                             |            |                      |              |            |                 | 321.5<br>77.7                  | Moderately hard, fresh, green-gray, fine grained SANDSTONE. Joints horizontal, very close to moderately close, rough, planar, open<br>-KODAK SANDSTONE-                                                                                                                                 |
|               | 4                             | C12        | 79.0<br>84.0         | 60<br>60     | 100<br>100 |                 |                                | Similar to above except with red-brown mottling, no joints.                                                                                                                                                                                                                             |
| 80            | 4.5                           |            |                      |              |            |                 |                                |                                                                                                                                                                                                                                                                                         |
|               | 5                             |            |                      |              |            |                 |                                |                                                                                                                                                                                                                                                                                         |
|               | 5                             |            |                      |              |            |                 |                                |                                                                                                                                                                                                                                                                                         |
|               | 4                             |            |                      |              |            |                 | 316.7<br>82.5                  | Moderately hard, fresh, red-brown with some green-gray mottling, fine grained, SANDSTONE. Joint low angle, rough, slightly undulating, open at 83.1 ft.<br>-GRIMSBY SANDSTONE-                                                                                                          |
|               | 3                             |            |                      |              |            |                 |                                |                                                                                                                                                                                                                                                                                         |

## CORE BORING REPORT

Boring No. BR-12-03

File No. 36492-022

Sheet No. 5 of 7

| Depth<br>(ft) | Drilling<br>Rate<br>(min./ft) | Run<br>No. | Run<br>Depth<br>(ft) | Recovery/RQD |           | Weath-<br>ering | Elev./<br>Depth<br>(ft) | Visual Description<br>and Remarks                                                                                                                                                                                                                                                                                                           |
|---------------|-------------------------------|------------|----------------------|--------------|-----------|-----------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                               |            |                      | in.          | %         |                 |                         |                                                                                                                                                                                                                                                                                                                                             |
| 85            | 3                             | C13        | 84.0<br>89.0         | 60<br>58     | 100<br>97 |                 |                         | Similar to above except joints moderately close.                                                                                                                                                                                                                                                                                            |
|               | 4                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                             |
|               | 5                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                             |
|               | 5.5                           |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                             |
|               | 5                             | C14        | 89.0<br>94.0         | 60<br>58     | 100<br>97 |                 |                         | Similar to above except joints close to moderately close.                                                                                                                                                                                                                                                                                   |
| 90            | 5                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                             |
|               | 5                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                             |
|               | 5                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                             |
|               | 5                             |            |                      |              |           |                 | 306.7<br>92.5           | Note: Began losing drill water at joint at change 92.5 ft.                                                                                                                                                                                                                                                                                  |
|               | 7                             | C15        | 94.0<br>99.0         | 60<br>54     | 100<br>90 |                 |                         | Moderately hard, fresh, red-brown to light gray, mottled, SANDSTONE, no joints.                                                                                                                                                                                                                                                             |
| 95            | 10                            |            |                      |              |           |                 |                         | Similar to above except moderately weathered joints, low angle, rough, moderately close from 94.4 - 94.9 and 96.0 ft., strong naphthalene-like odor, sheen on rock core from 94.4 - 97.4 ft. OLM bleb noted at 97.3 ft. PID = 5.1 ppm at 94.7 ft., 5.6 ppm at 96.0 ft., 5.0 ppm at 97.4 ft., and 3.7 ppm at 99.0 ft.<br>-GRIMSBY SANDSTONE- |
|               | 11                            |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                             |
|               | 11                            |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                             |
|               | 11                            |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                             |
|               | 15                            | C16        | 99.0<br>104.0        | 58<br>44     | 97<br>73  |                 |                         | Similar to above except moderately weathered joint at 101.4 ft., slight naphthalene-like odor, sheen present                                                                                                                                                                                                                                |
| 100           | 16                            |            |                      |              |           |                 | 299.2<br>100.0          | Moderately hard, slightly weathered, fine grained, red-brown with some green-gray mottling SANDSTONE, joint slightly weathered, low angle, rough, open at 101.6 ft., 102.3 - 102.7 ft., and 103.5 ft., bioturbation throughout, slight naphthalene-like odor, sheen present, PID=0.5 ppm at 102.6 ft.<br>-GRIMSBY FORMATION-                |
|               | 4                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                             |
|               | 4                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                             |
|               | 6                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                             |
|               | 7                             | C17        | 104.0<br>109.0       | 59<br>45     | 98<br>75  | Slight          |                         | Similar to above except highly weathered zone from 104.8 - 105.0 ft., joints low angle, rough, moderately close to open zone from 105.6 - 106.4 ft., and 107.1 - 107.9 ft., slight naphthalene-like odor, little sheen at 104.8 - 105.0 ft., and 107.1 - 107.9 ft., PID=8.0 ppm at 104.0 ft., 2.6 ppm at 107.1 ft.                          |
| 105           | 4                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                             |
|               | 2.5                           |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                             |
|               | 3                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                             |
|               | 2.5                           |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                             |
|               | 2.5                           | C18        | 109.0<br>114.0       | 60<br>57     | 100<br>95 |                 |                         | Similar to above except joint planar, rough, open at 109.3 and 113.5 ft.                                                                                                                                                                                                                                                                    |
| 110           | 2.5                           |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                             |
|               | 2.5                           |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                             |
|               | 2                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                             |
|               | 2                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                             |
|               | 3                             |            |                      |              |           |                 | 285.2                   |                                                                                                                                                                                                                                                                                                                                             |

## CORE BORING REPORT

Boring No. BR-12-03

File No. 36492-022

Sheet No. 6 of 7

| Depth<br>(ft) | Drilling<br>Rate<br>(min./ft) | Run<br>No. | Run<br>Depth<br>(ft) | Recovery/RQD |           | Weath-<br>ering | Elev./<br>Depth<br>(ft) | Visual Description<br>and Remarks                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------|-------------------------------|------------|----------------------|--------------|-----------|-----------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               |                               |            |                      | in.          | %         |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 115           | 2.5                           | C19        | 114.0<br>119.0       | 59<br>45     | 98<br>75  | Fresh           | 114.0                   | Hard, fresh, fine to medium grained, red-brown to brown-gray/gray-green SANDSTONE, extremely thin to thin, moderately dipping, cross bedding, joint low angle, rough, moderately close to open zone from 116.7 - 117.4 ft., and at 117.8 ft., 118.5 ft., and 118.9 ft, slight naphthalene-like odor, trace sheen from 116.7 - 117.4 ft., PID=4.1 ppm at 116.7 ft., 4.0 ppm at 117.4 ft., 2.8 ppm at 118.5 ft., and 2.0 ppm at 118.9 ft.<br>-GRIMSBY SANDSTONE- |
|               | 2                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               | 3                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               | 3                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               | 4                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 120           | 3.5                           | C20        | 119.0<br>124.0       | 60<br>49     | 100<br>82 |                 |                         | Similar to above except becoming medium grained at 122.0 ft., joint horizontal to low angle, rough, moderately close to open at 120.0 ft., 120.6 ft., 120.9 ft., 122.2 ft., 122.8 ft., slight naphthalene-like odor, little sheen at 122.2 ft., PID=13.8 ppm at 122.2 ft.                                                                                                                                                                                      |
|               | 4                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               | 4                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               | 3                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               | 2                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 125           | 2                             | C21        | 124.0<br>129.0       | 59<br>58     | 98<br>97  | Fresh           |                         | Hard, fresh, fine to medium grained red-brown with gray-brown banded SANDSTONE, thin to thick bedding, joint low angle, rough, moderately open at 124.4 ft., 124.7 ft., 125.6 ft., 127.4 ft., 127.9 ft and 129.3 ft., slight to trace naphthalene-like odor, trace sheen at 124.4 ft., 124.7 ft. and 125.7 ft., PID=2.7 ppm at 124.4 ft., 2.7 ppm at 124.7 ft., and 1.1 ppm at 125.7 ft.                                                                       |
|               | 2                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               | 2                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               | 2                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               | 2                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 130           | 6                             | C22        | 129.0<br>134.0       | 60<br>45     | 100<br>75 |                 |                         | Similar to above except joints horizontal to low angle, rough, very close to open at 129.2 - 129.4 ft., 130.4 ft., 131.5 ft., 132.7 ft and 133.1 ft., highly weathered shale or clay zone from 133.3 - 133.7 ft., trace naphthalene-like odor, trace sheen at 129.2 ft.                                                                                                                                                                                        |
|               | 2                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               | 2                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               | 2                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               | 5                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               | 4                             |            |                      |              |           |                 | 265.5                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 135           | 5                             | C23        | 134.0<br>139.0       | 60<br>51     | 100<br>85 | Slight          | 133.7                   | Hard, slightly weathered, red-brown, fine grained SHALE, little green-gray mottling, extremely thin to thin, horizontal bedding, no odor or sheen.<br>-QUEENSTON FORMATION-                                                                                                                                                                                                                                                                                    |
|               | 5                             |            |                      |              |           |                 |                         | Similar to above except joints, horizontal, rough, open at 134.2 ft., 135.3 ft., 136.0 ft., 136.9 ft., weathered zone with very thin siltstone beds from 137.1 - 137.4 ft., no odor or sheen.                                                                                                                                                                                                                                                                  |
|               | 4                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               | 4                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               | 5                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               | 5                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 140           | 5                             | C24        | 139.0<br>144.0       | 54<br>47     | 90<br>78  | Fresh           |                         | Similar to above except joints horizontal to low angle, rough to planar, partially open to open at 139.2 ft., 140.2 ft., 141.1 ft., 141.3 ft., 141.4 ft., 141.7 ft., 142.3 ft., and 143.6 ft., no odor or sheen present.<br>-QUEENSTON FORMATION-                                                                                                                                                                                                              |
|               | 5                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               | 5                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               | 5                             |            |                      |              |           |                 |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               |                               |            |                      |              |           |                 | 255.2                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

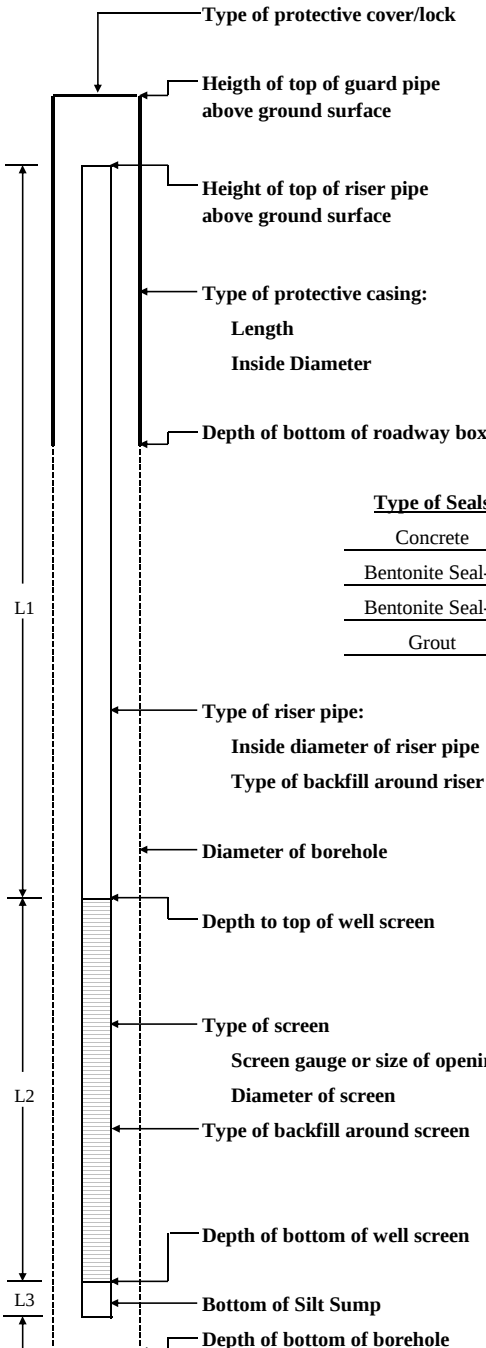
## CORE BORING REPORT

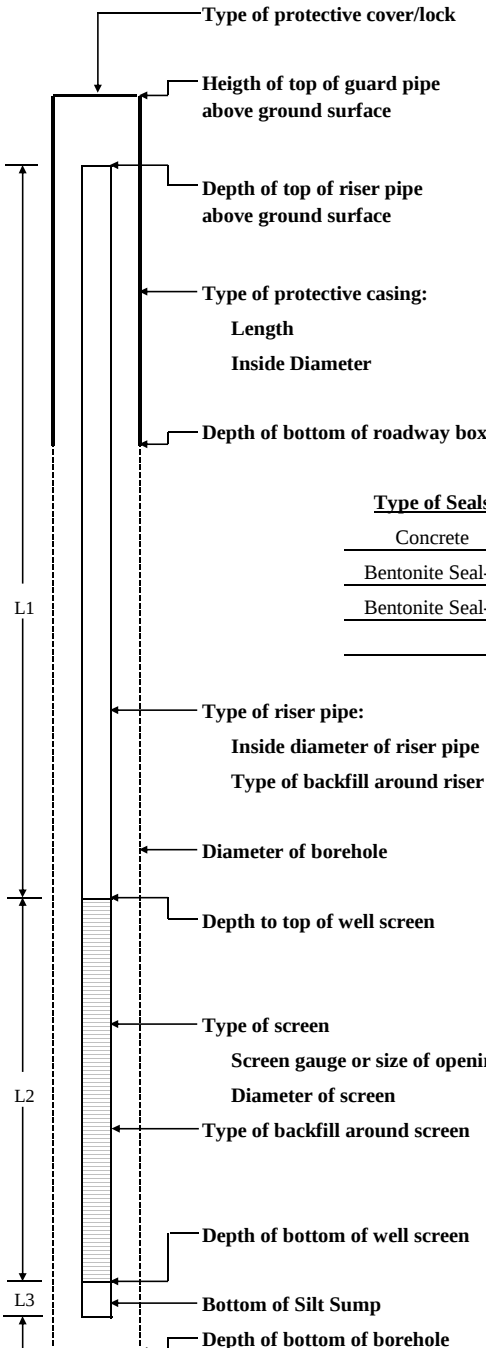
Boring No. BR-12-03

File No. 36492-022

Sheet No. 7 of 7

| Depth<br>(ft) | Drilling<br>Rate<br>(min./ft) | Run<br>No. | Run<br>Depth<br>(ft) | Recovery/RQD |   | Weath-<br>ering | Elev./<br>Depth<br>(ft) | Visual Description<br>and Remarks |
|---------------|-------------------------------|------------|----------------------|--------------|---|-----------------|-------------------------|-----------------------------------|
|               |                               |            |                      | in.          | % |                 |                         |                                   |
| 145           |                               |            |                      |              |   |                 | 144.0                   | BOTTOM OF EXPLORATION 144.0 FT    |
| 150           |                               |            |                      |              |   |                 |                         |                                   |
| 155           |                               |            |                      |              |   |                 |                         |                                   |
| 160           |                               |            |                      |              |   |                 |                         |                                   |
| 165           |                               |            |                      |              |   |                 |                         |                                   |
| 170           |                               |            |                      |              |   |                 |                         |                                   |

| <b>HALEY &amp; ALDRICH</b>  |                  | <b>OBSERVATION WELL<br/>INSTALLATION REPORT</b> |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                            |  | Well No.<br><b>DW-12-01R</b>                          |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
|-----------------------------|------------------|-------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------|--|-------------------------------------------------------|--|---------------|------------------|----------------|----------|-----|-----|------------------|------|-----|------------------|------|-----|-------|------|------|
|                             |                  |                                                 |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                            |  | Boring No.<br><b>SB-12-10</b>                         |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
| <b>PROJECT</b>              |                  | RG&E E. STATION: OFF-SITE SUPPLEMENTAL REMEDIAL |  |                                                                                                                                                                                                                                                                                                                                                                  |  | <b>H&amp;A FILE NO.</b>    |  | 36492-026                                             |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
| <b>LOCATION</b>             |                  | SITE NO. V00358-8, ROCHESTER NEW YORK           |  |                                                                                                                                                                                                                                                                                                                                                                  |  | <b>PROJECT MGR.</b>        |  | D. ALLEN                                              |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
| <b>CLIENT</b>               |                  | ROCHESTER GAS & ELECTRIC CORPORATION            |  |                                                                                                                                                                                                                                                                                                                                                                  |  | <b>FIELD REP.</b>          |  | D. NOSTRANT                                           |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
| <b>CONTRACTOR</b>           |                  | NOTHNAGLE DRILLING                              |  |                                                                                                                                                                                                                                                                                                                                                                  |  | <b>DATE INSTALLED</b>      |  | 11/15/2013                                            |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
| <b>DRILLER</b>              |                  | S. GELSER                                       |  |                                                                                                                                                                                                                                                                                                                                                                  |  | <b>WATER LEVEL</b>         |  | Not measured                                          |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
| <b>Ground El.</b>           |                  | 401.3 ft                                        |  | <b>Location</b>                                                                                                                                                                                                                                                                                                                                                  |  | Former building floor slab |  | <input checked="" type="checkbox"/> <b>Guard Pipe</b> |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
| <b>El. Datum</b>            |                  | 401.87                                          |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                            |  | <input type="checkbox"/> <b>Roadway Box</b>           |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
| <b>SOIL/ROCK CONDITIONS</b> |                  | <b>BOREHOLE BACKFILL</b>                        |  |                                                                                                                                                                                                                                                                               |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
| 0.0                         |                  | 0.0                                             |  | Type of protective cover/lock Aluminum/Padlock                                                                                                                                                                                                                                                                                                                   |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
| FILL                        |                  | CONCRETE                                        |  | Height of top of guard pipe above ground surface 0.9 ft                                                                                                                                                                                                                                                                                                          |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
| 0.8                         |                  |                                                 |  | Height of top of riser pipe above ground surface 0.6 ft                                                                                                                                                                                                                                                                                                          |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
| 9.5                         |                  |                                                 |  | Type of protective casing: Steel                                                                                                                                                                                                                                                                                                                                 |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
| WEATHERED BEDROCK           |                  |                                                 |  | Length 20.9 ft                                                                                                                                                                                                                                                                                                                                                   |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
|                             |                  |                                                 |  | Inside Diameter 8.000 in                                                                                                                                                                                                                                                                                                                                         |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
|                             |                  |                                                 |  | Depth of bottom of roadway box 20.0 ft                                                                                                                                                                                                                                                                                                                           |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
| 18.5                        |                  | CEMENT BENTONITE GROUT                          |  | <table border="1"><thead><tr><th>Type of Seals</th><th>Top of Seal (ft)</th><th>Thickness (ft)</th></tr></thead><tbody><tr><td>Concrete</td><td>0.0</td><td>0.8</td></tr><tr><td>Bentonite Seal-2</td><td>53.0</td><td>3.0</td></tr><tr><td>Bentonite Seal-1</td><td>67.1</td><td>1.9</td></tr><tr><td>Grout</td><td>53.0</td><td>52.2</td></tr></tbody></table> |  |                            |  |                                                       |  | Type of Seals | Top of Seal (ft) | Thickness (ft) | Concrete | 0.0 | 0.8 | Bentonite Seal-2 | 53.0 | 3.0 | Bentonite Seal-1 | 67.1 | 1.9 | Grout | 53.0 | 52.2 |
| Type of Seals               | Top of Seal (ft) | Thickness (ft)                                  |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
| Concrete                    | 0.0              | 0.8                                             |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
| Bentonite Seal-2            | 53.0             | 3.0                                             |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
| Bentonite Seal-1            | 67.1             | 1.9                                             |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
| Grout                       | 53.0             | 52.2                                            |  |                                                                                                                                                                                                                                                                                                                                                                  |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
| BEDROCK                     |                  | L1                                              |  | Type of riser pipe: PVC                                                                                                                                                                                                                                                                                                                                          |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
|                             |                  |                                                 |  | Inside diameter of riser pipe 2.0 in                                                                                                                                                                                                                                                                                                                             |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
|                             |                  |                                                 |  | Type of backfill around riser See Diagram                                                                                                                                                                                                                                                                                                                        |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
|                             |                  |                                                 |  | Diameter of borehole 14.0 in                                                                                                                                                                                                                                                                                                                                     |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
|                             |                  |                                                 |  | Depth to top of well screen 57.0 ft                                                                                                                                                                                                                                                                                                                              |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
|                             |                  | 53.0                                            |  | Type of screen Slotted PVC                                                                                                                                                                                                                                                                                                                                       |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
|                             |                  | BENTONIRE                                       |  | Screen gauge or size of openings 0.020 in                                                                                                                                                                                                                                                                                                                        |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
|                             |                  | 56.0                                            |  | Diameter of screen 2.0 in                                                                                                                                                                                                                                                                                                                                        |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
|                             |                  | WG#0 SILICA SAND                                |  | Type of backfill around screen WG#0 Silica Sand                                                                                                                                                                                                                                                                                                                  |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
|                             |                  | L2                                              |  | Depth of bottom of well screen 67.0 ft                                                                                                                                                                                                                                                                                                                           |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
|                             |                  |                                                 |  | Bottom of Silt Sump 69.0 ft                                                                                                                                                                                                                                                                                                                                      |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
|                             |                  | 67.1                                            |  | Depth of bottom of borehole 69.0 ft                                                                                                                                                                                                                                                                                                                              |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
| 69.0                        |                  | 69.0                                            |  | (Bottom of Exploration)<br>(Numbers refer to depth from ground surface in feet)                                                                                                                                                                                                                                                                                  |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
|                             |                  |                                                 |  | (Not to Scale)                                                                                                                                                                                                                                                                                                                                                   |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
|                             |                  |                                                 |  | ft + ft = ft                                                                                                                                                                                                                                                                                                                                                     |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
|                             |                  |                                                 |  | Riser Pay Length (L1) Length of screen (L2) Length of silt trap (L3) Pay length                                                                                                                                                                                                                                                                                  |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |
|                             |                  |                                                 |  | COMMENTS: * measured from top of PVC riser                                                                                                                                                                                                                                                                                                                       |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |       |      |      |

| <b>HALEY &amp; ALDRICH</b>                                                      |                  | <b>OBSERVATION WELL<br/>INSTALLATION REPORT</b>                          |  |                                                                                                                                                                                                                                                                                                                 |  |                            |  | Well No.<br><b>DW-12-01M</b>                          |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
|---------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------|--|-------------------------------------------------------|--|---------------|------------------|----------------|----------|-----|-----|------------------|------|-----|------------------|------|-----|
|                                                                                 |                  |                                                                          |  |                                                                                                                                                                                                                                                                                                                 |  |                            |  | Boring No.<br><b>SB-12-10</b>                         |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
| <b>PROJECT</b>                                                                  |                  | RG&E E. STATION: OFF-SITE SUPPLEMENTAL REMEDIAL                          |  |                                                                                                                                                                                                                                                                                                                 |  | <b>H&amp;A FILE NO.</b>    |  | 36492-024                                             |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
| <b>LOCATION</b>                                                                 |                  | SITE NO. V00358-8, ROCHESTER NEW YORK                                    |  |                                                                                                                                                                                                                                                                                                                 |  | <b>PROJECT MGR.</b>        |  | D. ALLEN                                              |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
| <b>CLIENT</b>                                                                   |                  | ROCHESTER GAS & ELECTRIC CORPORATION                                     |  |                                                                                                                                                                                                                                                                                                                 |  | <b>FIELD REP.</b>          |  | D. NOSTRANT                                           |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
| <b>CONTRACTOR</b>                                                               |                  | NOTHNAGLE DRILLING                                                       |  |                                                                                                                                                                                                                                                                                                                 |  | <b>DATE INSTALLED</b>      |  | 11/14/2013                                            |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
| <b>DRILLER</b>                                                                  |                  | S. GELSER                                                                |  |                                                                                                                                                                                                                                                                                                                 |  | <b>WATER LEVEL</b>         |  | Not measured                                          |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
| <b>Ground El.</b>                                                               |                  | 401.3 ft                                                                 |  | <b>Location</b>                                                                                                                                                                                                                                                                                                 |  | Former building floor slab |  | <input checked="" type="checkbox"/> <b>Guard Pipe</b> |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
| <b>El. Datum</b>                                                                |                  | 401.87                                                                   |  |                                                                                                                                                                                                                                                                                                                 |  |                            |  | <input type="checkbox"/> <b>Roadway Box</b>           |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
| <b>SOIL/ROCK CONDITIONS</b>                                                     |                  | <b>BOREHOLE BACKFILL</b>                                                 |  |                                                                                                                                                                                                                              |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
| 0.0                                                                             |                  | 0.0                                                                      |  | Type of protective cover/lock Aluminum/Padlock                                                                                                                                                                                                                                                                  |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
| FILL                                                                            |                  |                                                                          |  | Height of top of guard pipe above ground surface 0.9 ft                                                                                                                                                                                                                                                         |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
| 9.5                                                                             |                  |                                                                          |  | Depth of top of riser pipe above ground surface 0.6 ft                                                                                                                                                                                                                                                          |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
| WEATHERED BEDROCK                                                               |                  | NESTED WELL CLUSTER SEE BR-12-01R FOR INSTALLATION DETAILS ABOVE 69.0 FT |  | Type of protective casing: Steel                                                                                                                                                                                                                                                                                |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
| 18.5                                                                            |                  |                                                                          |  | Length 22.4 ft                                                                                                                                                                                                                                                                                                  |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
|                                                                                 |                  |                                                                          |  | Inside Diameter 8.000 in                                                                                                                                                                                                                                                                                        |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
|                                                                                 |                  |                                                                          |  | Depth of bottom of roadway box 20.0 ft                                                                                                                                                                                                                                                                          |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
|                                                                                 |                  |                                                                          |  | <table border="1"><thead><tr><th>Type of Seals</th><th>Top of Seal (ft)</th><th>Thickness (ft)</th></tr></thead><tbody><tr><td>Concrete</td><td>0.0</td><td>0.8</td></tr><tr><td>Bentonite Seal-2</td><td>70.5</td><td>1.5</td></tr><tr><td>Bentonite Seal-1</td><td>84.3</td><td>1.8</td></tr></tbody></table> |  |                            |  |                                                       |  | Type of Seals | Top of Seal (ft) | Thickness (ft) | Concrete | 0.0 | 0.8 | Bentonite Seal-2 | 70.5 | 1.5 | Bentonite Seal-1 | 84.3 | 1.8 |
| Type of Seals                                                                   | Top of Seal (ft) | Thickness (ft)                                                           |  |                                                                                                                                                                                                                                                                                                                 |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
| Concrete                                                                        | 0.0              | 0.8                                                                      |  |                                                                                                                                                                                                                                                                                                                 |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
| Bentonite Seal-2                                                                | 70.5             | 1.5                                                                      |  |                                                                                                                                                                                                                                                                                                                 |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
| Bentonite Seal-1                                                                | 84.3             | 1.8                                                                      |  |                                                                                                                                                                                                                                                                                                                 |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
| BEDROCK                                                                         |                  |                                                                          |  | Type of riser pipe: PVC                                                                                                                                                                                                                                                                                         |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
|                                                                                 |                  |                                                                          |  | Inside diameter of riser pipe 2.0 in                                                                                                                                                                                                                                                                            |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
|                                                                                 |                  |                                                                          |  | Type of backfill around riser See Diagram                                                                                                                                                                                                                                                                       |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
|                                                                                 |                  | 69.0                                                                     |  | Diameter of borehole 14.0 in                                                                                                                                                                                                                                                                                    |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
|                                                                                 |                  | SAND                                                                     |  | Depth to top of well screen 74.0 ft                                                                                                                                                                                                                                                                             |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
|                                                                                 |                  | 70.2 BENTONITE                                                           |  |                                                                                                                                                                                                                                                                                                                 |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
|                                                                                 |                  | 72.7                                                                     |  | Type of screen Slotted PVC                                                                                                                                                                                                                                                                                      |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
|                                                                                 |                  |                                                                          |  | Screen gauge or size of openings 0.020 in                                                                                                                                                                                                                                                                       |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
|                                                                                 |                  |                                                                          |  | Diameter of screen 2.0 in                                                                                                                                                                                                                                                                                       |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
|                                                                                 |                  |                                                                          |  | Type of backfill around screen WG#0 Silica Sand                                                                                                                                                                                                                                                                 |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
|                                                                                 |                  | WG#0 SILICA                                                              |  |                                                                                                                                                                                                                                                                                                                 |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
|                                                                                 |                  | 84.25                                                                    |  | Depth of bottom of well screen 84.0 ft                                                                                                                                                                                                                                                                          |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
|                                                                                 |                  | BENTONITE                                                                |  |                                                                                                                                                                                                                                                                                                                 |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
|                                                                                 |                  | 86.0                                                                     |  | Bottom of Silt Sump 86.0 ft                                                                                                                                                                                                                                                                                     |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
|                                                                                 |                  | WG#0 SILICA SAND                                                         |  |                                                                                                                                                                                                                                                                                                                 |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
| 87.5                                                                            |                  | 87.5                                                                     |  | Depth of bottom of borehole 87.5 ft                                                                                                                                                                                                                                                                             |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
| (Bottom of Exploration)<br>(Numbers refer to depth from ground surface in feet) |                  |                                                                          |  | (Not to Scale)                                                                                                                                                                                                                                                                                                  |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
|                                                                                 |                  |                                                                          |  | ft + ft = ft                                                                                                                                                                                                                                                                                                    |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
|                                                                                 |                  |                                                                          |  | Riser Pay Length (L1) Length of screen (L2) Length of silt trap (L3) Pay length                                                                                                                                                                                                                                 |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |
| <b>COMMENTS:</b>                                                                |                  | * measured from top of PVC riser                                         |  |                                                                                                                                                                                                                                                                                                                 |  |                            |  |                                                       |  |               |                  |                |          |     |     |                  |      |     |                  |      |     |

|                            |                                                 |                         |                               |
|----------------------------|-------------------------------------------------|-------------------------|-------------------------------|
| <b>HALEY &amp; ALDRICH</b> | <b>OBSERVATION WELL<br/>INSTALLATION REPORT</b> |                         | Well No.<br><b>DW-12-01G</b>  |
|                            |                                                 |                         | Boring No.<br><b>SB-12-10</b> |
| <b>PROJECT</b>             | RG&E E. STATION: OFF-SITE SUPPLEMENTAL REMEDIAL | <b>H&amp;A FILE NO.</b> | 36492-024                     |
| <b>LOCATION</b>            | SITE NO. V00358-8, ROCHESTER NEW YORK           | <b>PROJECT MGR.</b>     | D. ALLEN                      |
| <b>CLIENT</b>              | ROCHESTER GAS & ELECTRIC CORPORATION            | <b>FIELD REP.</b>       | D. NOSTRANT                   |
| <b>CONTRACTOR</b>          | NOTHNAGLE DRILLING                              | <b>DATE INSTALLED</b>   | 11/14/2013                    |
| <b>DRILLER</b>             | S. GELSER                                       | <b>WATER LEVEL</b>      | Not measured                  |

|            |        |    |          |                            |  |                                     |             |
|------------|--------|----|----------|----------------------------|--|-------------------------------------|-------------|
| Ground El. | 401.3  | ft | Location | Former building floor slab |  | <input checked="" type="checkbox"/> | Guard Pipe  |
| El. Datum  | 403.42 |    |          |                            |  | <input type="checkbox"/>            | Roadway Box |

|                                                                                 |                              |                                                       |  |  |  |
|---------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------|--|--|--|
| <b>SOIL/ROCK<br/>CONDITIONS</b>                                                 | <b>BOREHOLE<br/>BACKFILL</b> | Type of protective cover/lock <u>Aluminum/Padlock</u> |  |  |  |
| CONCRETE                                                                        | 0.0                          |                                                       |  |  |  |
| 0.5<br>FILL                                                                     | CEMENT<br>0.8                |                                                       |  |  |  |
| 9.5<br><br>WEATHERED<br>BEDROCK                                                 | CEMENT<br>BENTONITE<br>GROUT |                                                       |  |  |  |
| 18.5<br><br>BEDROCK                                                             |                              |                                                       |  |  |  |
|                                                                                 | 116.4                        |                                                       |  |  |  |
|                                                                                 | BENTONITE                    |                                                       |  |  |  |
|                                                                                 | 118.8                        |                                                       |  |  |  |
|                                                                                 | WG#0<br>SILICA<br>SAND       |                                                       |  |  |  |
| 132.7                                                                           | 132.7                        |                                                       |  |  |  |
| (Bottom of Exploration)<br>(Numbers refer to depth from ground surface in feet) |                              | (Not to Scale)                                        |  |  |  |

|                       |   |                       |   |                          |   |            |
|-----------------------|---|-----------------------|---|--------------------------|---|------------|
| ft                    | + | ft                    | + | ft                       | = | ft         |
| Riser Pay Length (L1) |   | Length of screen (L2) |   | Length of silt trap (L3) |   | Pay length |

**COMMENTS:**

|                            |                                                 |                         |                               |
|----------------------------|-------------------------------------------------|-------------------------|-------------------------------|
| <b>HALEY &amp; ALDRICH</b> | <b>OBSERVATION WELL<br/>INSTALLATION REPORT</b> |                         | Well No.<br><b>DW-12-01Q</b>  |
|                            |                                                 |                         | Boring No.<br><b>SB-12-10</b> |
| <b>PROJECT</b>             | RG&E E. STATION: OFF-SITE SUPPLEMENTAL REMEDIAL | <b>H&amp;A FILE NO.</b> | 36492-024                     |
| <b>LOCATION</b>            | SITE NO. V00358-8, ROCHESTER NEW YORK           | <b>PROJECT MGR.</b>     | D. ALLEN                      |
| <b>CLIENT</b>              | ROCHESTER GAS & ELECTRIC CORPORATION            | <b>FIELD REP.</b>       | D. NOSTRANT                   |
| <b>CONTRACTOR</b>          | NOTHNAGLE DRILLING                              | <b>DATE INSTALLED</b>   | 11/13/2013                    |
| <b>DRILLER</b>             | S. GELSER                                       | <b>WATER LEVEL</b>      | Not measured                  |

|            |        |    |          |                            |  |                                     |             |
|------------|--------|----|----------|----------------------------|--|-------------------------------------|-------------|
| Ground El. | 401.3  | ft | Location | Former building floor slab |  | <input checked="" type="checkbox"/> | Guard Pipe  |
| El. Datum  | 403.15 |    |          |                            |  | <input type="checkbox"/>            | Roadway Box |

|                                 |                                                                                                   |                                                                                 |  |                         |                       |                  |  |
|---------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--|-------------------------|-----------------------|------------------|--|
| <b>SOIL/ROCK<br/>CONDITIONS</b> | <b>BOREHOLE<br/>BACKFILL</b>                                                                      | Type of protective cover/lock                                                   |  |                         |                       | Aluminum/Padlock |  |
| 0.0                             | 0.0                                                                                               | Height of top of guard pipe<br>above ground surface                             |  |                         |                       | 2.4 ft           |  |
| CONCRETE                        | NESTED<br>WELL<br>CLUSTER<br>SEE<br>BR-12-01G<br>FOR<br>INSTALLATION<br>DETAILS<br>ABOVE 133.0 FT | Height of top of riser pipe<br>above ground surface                             |  |                         |                       | 2.1 ft           |  |
| .5                              |                                                                                                   | Type of protective casing:                                                      |  |                         |                       | Steel            |  |
| FILL                            |                                                                                                   | Length                                                                          |  |                         |                       | 22.4 ft          |  |
| 9.5                             |                                                                                                   | Inside Diameter                                                                 |  |                         |                       | 8.000 in         |  |
| WEATHERED<br>BEDROCK            |                                                                                                   | Depth of bottom of pipe/roadway box                                             |  |                         |                       | 20.0 ft          |  |
| 18.5                            |                                                                                                   | <b>Type of Seals</b>                                                            |  | <b>Top of Seal (ft)</b> | <b>Thickness (ft)</b> |                  |  |
|                                 |                                                                                                   | Concrete                                                                        |  | 0.0                     | 0.8                   |                  |  |
|                                 |                                                                                                   | Bentonite Seal-2                                                                |  | 132.7                   | 14.3                  |                  |  |
|                                 |                                                                                                   | Bentonite Seal-1                                                                |  | 158.2                   | 1.8                   |                  |  |
|                                 |                                                                                                   | Type of riser pipe:                                                             |  | PVC                     |                       |                  |  |
|                                 |                                                                                                   | Inside diameter of riser pipe                                                   |  |                         |                       | 2.0 in           |  |
|                                 |                                                                                                   | Type of backfill around riser                                                   |  |                         |                       | See Diagram      |  |
|                                 |                                                                                                   | Diameter of borehole                                                            |  |                         |                       | 14.0 in          |  |
|                                 |                                                                                                   | Depth to top of well screen                                                     |  |                         |                       | 148.0 ft         |  |
|                                 |                                                                                                   | Type of screen                                                                  |  |                         |                       | Slotted PVC      |  |
|                                 |                                                                                                   | Screen gauge or size of openings                                                |  |                         |                       | 0.020 in         |  |
|                                 |                                                                                                   | Diameter of screen                                                              |  |                         |                       | 2.0 in           |  |
|                                 |                                                                                                   | Type of backfill around screen                                                  |  |                         |                       | WG#0 Silica Sand |  |
|                                 |                                                                                                   | Depth of bottom of well screen                                                  |  |                         |                       | 158.0 ft         |  |
|                                 |                                                                                                   | Bottom of Silt Sump                                                             |  |                         |                       | 160.0 ft         |  |
|                                 |                                                                                                   | Depth of bottom of borehole                                                     |  |                         |                       | 162.1 ft         |  |
| 162.1                           | 162.1                                                                                             | (Bottom of Exploration)<br>(Numbers refer to depth from ground surface in feet) |  |                         |                       |                  |  |

|                       |                       |                          |            |    |
|-----------------------|-----------------------|--------------------------|------------|----|
| ft                    | ft                    | ft                       | ft         | ft |
| Riser Pay Length (L1) | Length of screen (L2) | Length of silt trap (L3) | Pay length |    |

|                  |  |
|------------------|--|
| <b>COMMENTS:</b> |  |
|------------------|--|

|                            |                                                                      |                         |                               |
|----------------------------|----------------------------------------------------------------------|-------------------------|-------------------------------|
| <b>HALEY &amp; ALDRICH</b> | <h1 style="margin: 0;">OBSERVATION WELL<br/>INSTALLATION REPORT</h1> |                         | Well No.<br><b>DW-12-02I</b>  |
|                            |                                                                      |                         | Boring No.<br><b>BR-12-02</b> |
| <b>PROJECT</b>             | RG&E E. STATION: OFF-SITE SUPPLEMENTAL REMEDIAL                      | <b>H&amp;A FILE NO.</b> | 36492-022                     |
| <b>LOCATION</b>            | SITE NO. V00358-8, ROCHESTER NEW YORK                                | <b>PROJECT MGR.</b>     | D. ALLEN                      |
| <b>CLIENT</b>              | ROCHESTER GAS & ELECTRIC CORPORATION                                 | <b>FIELD REP.</b>       | D. NOSTRANT                   |
| <b>CONTRACTOR</b>          | NOTHNAGLE DRILLING                                                   | <b>DATE INSTALLED</b>   | 11/6/2013                     |
| <b>DRILLER</b>             | S. GELSER                                                            | <b>WATER LEVEL</b>      | Not measured                  |

|            |        |    |          |                              |                                                                             |
|------------|--------|----|----------|------------------------------|-----------------------------------------------------------------------------|
| Ground El. | 421.0  | ft | Location | Southeast corner of property | <input type="checkbox"/> Guard Pipe<br><input type="checkbox"/> Roadway Box |
| El. Datum  | 423.54 |    |          |                              |                                                                             |

| <b>SOIL/ROCK<br/>CONDITIONS</b>                                                 | <b>BOREHOLE<br/>BACKFILL</b> | <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Type of protective cover/lock <span style="float: right;">Aluminum/Padlock</span></p> <p>Height of top of guard pipe above ground surface <span style="float: right;">2.9 ft</span></p> <p>Height of top of riser pipe above ground surface <span style="float: right;">2.5 ft</span></p> <p>Type of protective casing: <span style="float: right;">Galvanized Steel</span></p> <p>Length <span style="float: right;">5.0 ft</span></p> <p>Inside Diameter <span style="float: right;">4x4 in</span></p> <p>Depth of bottom of pipe/roadway box <span style="float: right;">2.5 ft</span></p> <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th>Type of Seals</th> <th>Top of Seal (ft)</th> <th>Thickness (ft)</th> </tr> </thead> <tbody> <tr> <td>Grout</td> <td style="text-align: center;">0.8</td> <td style="text-align: center;">31.0</td> </tr> <tr> <td>Bentonite Seal-2</td> <td style="text-align: center;">31.0</td> <td style="text-align: center;">3.0</td> </tr> <tr> <td>Bentonite Seal-1</td> <td style="text-align: center;">42.0</td> <td style="text-align: center;">2.0</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p>Type of riser pipe: <span style="float: right;">Sch 40 PVC</span></p> <p>Inside diameter of riser pipe <span style="float: right;">2.0 in</span></p> <p>Type of backfill around riser <span style="float: right;">Grout</span></p> <p>Diameter of borehole <span style="float: right;">8.0 in</span></p> <p>Depth to top of well screen <span style="float: right;">35.0 ft</span></p> <p>Type of screen <span style="float: right;">Sch 40 Slotted PVC</span></p> <p>Screen gauge or size of openings <span style="float: right;">0.010 in</span></p> <p>Diameter of screen <span style="float: right;">2.0 in</span></p> <p>Type of backfill around screen <span style="float: right;">Filtered Sand</span></p> <p>Depth of bottom of well screen <span style="float: right;">42.0 ft</span></p> <p>Bottom of Silt trap <span style="float: right;">44.0 ft</span></p> <p>Depth of bottom of borehole <span style="float: right;">44.0 ft</span></p> </div> <div style="width: 5%; text-align: center;"> <p>L1</p> <p>L2</p> <p>L3</p> </div> <div style="width: 45%; vertical-align: bottom; text-align: right;"> <p>(Not to Scale)</p> </div> </div> | Type of Seals | Top of Seal (ft) | Thickness (ft) | Grout | 0.8 | 31.0 | Bentonite Seal-2 | 31.0 | 3.0 | Bentonite Seal-1 | 42.0 | 2.0 |  |  |  |
|---------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|----------------|-------|-----|------|------------------|------|-----|------------------|------|-----|--|--|--|
| Type of Seals                                                                   | Top of Seal (ft)             | Thickness (ft)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |                  |                |       |     |      |                  |      |     |                  |      |     |  |  |  |
| Grout                                                                           | 0.8                          | 31.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |               |                  |                |       |     |      |                  |      |     |                  |      |     |  |  |  |
| Bentonite Seal-2                                                                | 31.0                         | 3.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |                  |                |       |     |      |                  |      |     |                  |      |     |  |  |  |
| Bentonite Seal-1                                                                | 42.0                         | 2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |                  |                |       |     |      |                  |      |     |                  |      |     |  |  |  |
|                                                                                 |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                  |                |       |     |      |                  |      |     |                  |      |     |  |  |  |
| 0.0                                                                             | 0.0                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                  |                |       |     |      |                  |      |     |                  |      |     |  |  |  |
| FILL                                                                            | CONCRETE                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                  |                |       |     |      |                  |      |     |                  |      |     |  |  |  |
|                                                                                 | 0.8                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                  |                |       |     |      |                  |      |     |                  |      |     |  |  |  |
|                                                                                 | CEMENT<br>BENTONITE<br>GROUT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                  |                |       |     |      |                  |      |     |                  |      |     |  |  |  |
| 31.5                                                                            | 31.0<br>BENTONITE            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                  |                |       |     |      |                  |      |     |                  |      |     |  |  |  |
| BEDROCK                                                                         | 34.0                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                  |                |       |     |      |                  |      |     |                  |      |     |  |  |  |
|                                                                                 | WG #0<br>SILICA<br>SAND      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                  |                |       |     |      |                  |      |     |                  |      |     |  |  |  |
|                                                                                 | 42.0<br>BENTONITE            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                  |                |       |     |      |                  |      |     |                  |      |     |  |  |  |
| 44.0                                                                            | 44.0                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                  |                |       |     |      |                  |      |     |                  |      |     |  |  |  |
| (Bottom of Exploration)<br>(Numbers refer to depth from ground surface in feet) |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                  |                |       |     |      |                  |      |     |                  |      |     |  |  |  |

|                       |   |                          |   |            |
|-----------------------|---|--------------------------|---|------------|
| 37.9 ft               | + | 7 ft                     | = | 46.9 ft    |
| Riser Pay Length (L1) |   | Length of screen (L2)    |   | Pay length |
|                       |   | 2 ft                     |   |            |
|                       |   | Length of silt trap (L3) |   |            |

**COMMENTS:**

|                            |                                                                      |                         |                               |
|----------------------------|----------------------------------------------------------------------|-------------------------|-------------------------------|
| <b>HALEY &amp; ALDRICH</b> | <h1 style="margin: 0;">OBSERVATION WELL<br/>INSTALLATION REPORT</h1> |                         | Well No.<br><b>DW-12-02M</b>  |
|                            |                                                                      |                         | Boring No.<br><b>BR-12-02</b> |
| <b>PROJECT</b>             | RG&E E. STATION: OFF-SITE SUPPLEMENTAL REMEDIAL                      | <b>H&amp;A FILE NO.</b> | 36492-024                     |
| <b>LOCATION</b>            | SITE NO. V00358-8, ROCHESTER NEW YORK                                | <b>PROJECT MGR.</b>     | D. ALLEN                      |
| <b>CLIENT</b>              | ROCHESTER GAS & ELECTRIC CORPORATION                                 | <b>FIELD REP.</b>       | D. NOSTRANT                   |
| <b>CONTRACTOR</b>          | NOTHNAGLE DRILLING                                                   | <b>DATE INSTALLED</b>   | 11/16/2013                    |
| <b>DRILLER</b>             | S. LORANTY/S. GELSER                                                 | <b>WATER LEVEL</b>      | Not measured                  |

|                                                                     |                                                     |                                                                                           |
|---------------------------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------------|
| <b>Ground El.</b> <u>421.1</u> ft<br><b>El. Datum</b> <u>422.82</u> | <b>Location</b> <u>Southeast corner of property</u> | <input type="checkbox"/> <b>Guard Pipe</b><br><input type="checkbox"/> <b>Roadway Box</b> |
|---------------------------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------------|

|                                 |                                                                                                         |       |
|---------------------------------|---------------------------------------------------------------------------------------------------------|-------|
| <b>SOIL/ROCK<br/>CONDITIONS</b> | <b>BOREHOLE<br/>BACKFILL</b>                                                                            |       |
| 0.0                             | 0.0                                                                                                     |       |
| FILL                            | CONCRETE                                                                                                |       |
|                                 | 0.8                                                                                                     |       |
| 20.5<br>ALLUVIAL<br>DEPOSITS    | CEMENT<br>BENTONITE<br>GROUT                                                                            |       |
| 33.2                            |                                                                                                         |       |
| BEDROCK                         | 86.0<br>BENTONITE                                                                                       |       |
|                                 | 89.0                                                                                                    |       |
|                                 | WG #0<br>SILICA<br>SAND                                                                                 |       |
|                                 | 105.0<br>BENTONITE                                                                                      |       |
|                                 | 107.0<br>SAND                                                                                           |       |
|                                 | 108.0<br>(Bottom of Exploration)<br><small>(Numbers refer to depth from ground surface in feet)</small> | 108.0 |

(Not to Scale)

Type of protective cover/lock Aluminum/Padlock

Height of top of guard pipe above ground surface 1.9 ft

Height of top of riser pipe above ground surface 1.7 ft

Type of protective casing: Steel

Length 49.9 ft

Inside Diameter 8.000 in

Depth of bottom of pipe/roadway box 48.2 ft

| Type of Seals    | Top of Seal (ft) | Thickness (ft) |
|------------------|------------------|----------------|
| Concrete         | 0.0              | 0.8            |
| Bentonite Seal-2 | 86.0             | 3.0            |
| Bentonite Seal-1 | 105.0            | 2.0            |
| Grout            | 0.8              | 77.2           |

Type of riser pipe: Sch 40 PVC

Inside diameter of riser pipe 2.0 in

Type of backfill around riser See Diagram

Diameter of borehole 14.0 ± in

Depth to top of well screen 90.0 ft

Type of screen Sch 40 Slotted PVC

Screen gauge or size of openings 0.010 in

Diameter of screen 2.0 in

Type of backfill around screen WG #0 Silica Sand

Depth of bottom of well screen 105.0 ft

Bottom of Sump 107.0 ft

Depth of bottom of borehole 108.0 ft

|                                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>                    </u> ft + <u>                    </u> ft + <u>                    </u> ft = <u>                    </u> ft<br>Riser Pay Length (L1)      Length of screen (L2)      Length of silt trap (L3)      Pay length |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**COMMENTS:**

|                            |                                                                      |              |                               |
|----------------------------|----------------------------------------------------------------------|--------------|-------------------------------|
| <b>HALEY &amp; ALDRICH</b> | <h1 style="margin: 0;">OBSERVATION WELL<br/>INSTALLATION REPORT</h1> |              | Well No.<br><b>DW-12-03M</b>  |
|                            |                                                                      |              | Boring No.<br><b>BR-12-03</b> |
| <b>PROJECT</b>             | RG&E E. STATION: OFF-SITE SUPPLEMENTAL REMEDIAL                      |              | <b>H&amp;A FILE NO.</b>       |
| <b>LOCATION</b>            | SITE NO. V00358-8, ROCHESTER NEW YORK                                |              | <b>PROJECT MGR.</b>           |
| <b>CLIENT</b>              | ROCHESTER GAS & ELECTRIC CORPORATION                                 |              | <b>FIELD REP.</b>             |
| <b>CONTRACTOR</b>          | NOTHNAGLE DRILLING                                                   |              | <b>DATE INSTALLED</b>         |
| <b>DRILLER</b>             | S. LORANTY/S. GELSER                                                 |              | <b>WATER LEVEL</b>            |
|                            |                                                                      | Not measured |                               |

|            |        |    |          |                             |  |                                     |             |
|------------|--------|----|----------|-----------------------------|--|-------------------------------------|-------------|
| Ground El. | 399.2  | ft | Location | Northern corner of property |  | <input checked="" type="checkbox"/> | Guard Pipe  |
| El. Datum  | 400.81 |    |          |                             |  | <input type="checkbox"/>            | Roadway Box |

|                                                      |                              |                |
|------------------------------------------------------|------------------------------|----------------|
| <b>SOIL/ROCK<br/>CONDITIONS</b>                      | <b>BOREHOLE<br/>BACKFILL</b> |                |
| 0.0                                                  | 0.0                          |                |
|                                                      | ± 1.0                        |                |
| FILL                                                 |                              |                |
| 16.5                                                 |                              |                |
| ALLUVIAL<br>DEPOSITS                                 | CEMENT<br>BENTONITE<br>GROUT |                |
| 23.9                                                 |                              |                |
|                                                      |                              |                |
| BEDROCK                                              | 60.5                         |                |
|                                                      | BENTONITE                    |                |
|                                                      | 63.5                         |                |
|                                                      | SAND                         |                |
|                                                      | 77.0                         |                |
|                                                      | BENTONITE                    |                |
| 77.0                                                 | 77.0                         |                |
| (Bottom of Exploration)                              |                              |                |
| (Numbers refer to depth from ground surface in feet) |                              | (Not to Scale) |

The diagram illustrates the vertical profile of the observation well. It shows the riser pipe extending from the ground surface down to the bottom of the borehole. Key components labeled include the protective cover/lock at the top, the riser pipe with its protective casing, the well screen, and the silt trap at the bottom. Depth markers L1, L2, and L3 are indicated on the left side of the diagram, corresponding to the riser pay length, screen length, and silt trap length respectively.

Type of protective cover/lock: Aluminum/Padlock

Height of top of guard pipe above ground surface: 1.8 ft

Height of top of riser pipe above ground surface: 1.6 ft

Type of protective casing: Steel

Length: \_\_\_\_\_ ft

Inside Diameter: 8.000 in

Depth of bottom of pipe/roadway box: 26.0 ft

| Type of Seals    | Top of Seal (ft) | Thickness (ft) |
|------------------|------------------|----------------|
| Concrete         |                  |                |
| Bentonite Seal-1 | 60.5             | 3.0            |
| Bentonite Seal-2 | 76.0             | 13.0           |
| Grout            |                  |                |

Type of riser pipe: PVC

Inside diameter of riser pipe: 2.0 in

Type of backfill around riser: See Diagram

Diameter of borehole: 14.0 ± in

Depth to top of well screen: 65.0 ft

Type of screen: Slotted PVC

Screen gauge or size of openings: 0.020 in

Diameter of screen: 2.0 in

Type of backfill around screen: WG #0 Silica Sand

Depth of bottom of well screen: 75.0 ft

Bottom of Silt trap: 77.0 ft

Depth of bottom of borehole: 77.0 ft

|                       |   |                       |   |                          |
|-----------------------|---|-----------------------|---|--------------------------|
| ft                    | + | ft                    | = | ft                       |
| Riser Pay Length (L1) |   | Length of screen (L2) |   | Length of silt trap (L3) |
| Pay length            |   |                       |   |                          |

**COMMENTS:**

|                            |                                                                     |  |                               |
|----------------------------|---------------------------------------------------------------------|--|-------------------------------|
| <b>HALEY &amp; ALDRICH</b> | <h1 style="margin:0;">OBSERVATION WELL<br/>INSTALLATION REPORT</h1> |  | Well No.<br><b>DW-12-03G</b>  |
|                            |                                                                     |  | Boring No.<br><b>BR-12-03</b> |
| <b>PROJECT</b>             | RG&E E. STATION: OFF-SITE SUPPLEMENTAL REMEDIAL                     |  | <b>H&amp;A FILE NO.</b>       |
| <b>LOCATION</b>            | SITE NO. V00358-8, ROCHESTER NEW YORK                               |  | <b>PROJECT MGR.</b>           |
| <b>CLIENT</b>              | ROCHESTER GAS & ELECTRIC CORPORATION                                |  | <b>FIELD REP.</b>             |
| <b>CONTRACTOR</b>          | NOTHNAGLE DRILLING                                                  |  | <b>DATE INSTALLED</b>         |
| <b>DRILLER</b>             | S. LORANTY/K. BUSCH                                                 |  | <b>WATER LEVEL</b>            |
|                            |                                                                     |  | Not measured                  |

|                                                                     |                                                    |                                                                                                      |
|---------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <b>Ground El.</b> <u>399.2</u> ft<br><b>El. Datum</b> <u>400.81</u> | <b>Location</b> <u>Northern corner of property</u> | <input checked="" type="checkbox"/> <b>Guard Pipe</b><br><input type="checkbox"/> <b>Roadway Box</b> |
|---------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------|

|                                                                                 |                                                                                                  |  |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--|
| <b>SOIL/ROCK<br/>CONDITIONS</b>                                                 | <b>BOREHOLE<br/>BACKFILL</b>                                                                     |  |
| 0.0                                                                             | 0.0                                                                                              |  |
| FILL                                                                            |                                                                                                  |  |
| 16.5                                                                            |                                                                                                  |  |
| ALLUVIAL<br>ALLUVIAL<br>DEPOSITS                                                | NESTED<br>WELL<br>CLUSTER<br>SEE<br>BR-12-03M<br>FOR<br>INSTALLATION<br>DETAILS<br>ABOVE 78.0 FT |  |
| 23.9                                                                            |                                                                                                  |  |
| BEDROCK                                                                         |                                                                                                  |  |
| 109.4                                                                           | 109.4                                                                                            |  |
| (Bottom of Exploration)<br>(Numbers refer to depth from ground surface in feet) |                                                                                                  |  |

|                                                  |                                                                          |                                          |
|--------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------|
|                                                  |                                                                          |                                          |
| Type of protective cover/lock                    | Aluminum/Padlock                                                         |                                          |
| Height of top of guard pipe above ground surface | 1.8                                                                      | ft                                       |
| Height of top of riser pipe above ground surface | 1.6                                                                      | ft                                       |
| Type of protective casing:                       | Steel                                                                    |                                          |
| Length                                           | 28.0                                                                     | ft                                       |
| Inside Diameter                                  | 8.000                                                                    | in                                       |
| Depth of bottom of roadway box                   | 26.0                                                                     | ft                                       |
|                                                  | <b>Type of Seals</b><br>Concrete<br>Bentonite Seal-2<br>Bentonite Seal-1 | <b>Top of Seal (ft)</b><br>78.0<br>105.6 |
|                                                  |                                                                          | <b>Thickness (ft)</b><br>11.0<br>3.8     |
| Type of riser pipe:                              | Slotted PVC                                                              |                                          |
| Inside diameter of riser pipe                    | 2.0                                                                      | in                                       |
| Type of backfill around riser                    | See Diagram                                                              |                                          |
| Diameter of borehole                             | 89.0                                                                     | in                                       |
| Depth to top of well screen                      | 90.0                                                                     | ft                                       |
| Type of screen                                   | Slotted PVC                                                              |                                          |
| Screen gauge or size of openings                 | 0.020                                                                    | in                                       |
| Diameter of screen                               | 2.0                                                                      | in                                       |
| Type of backfill around screen                   | WG#0 Silica Sand                                                         |                                          |
| Depth of bottom of well screen                   | 105.0                                                                    | ft                                       |
| Bottom of Silt Sump                              | 107.0                                                                    | ft                                       |
| Depth of bottom of borehole                      | 109.4                                                                    | ft                                       |
| (Not to Scale)                                   |                                                                          |                                          |

|                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------|
| <u>ft</u> + <u>ft</u> = <u>ft</u><br>Riser Pay Length (L1)      Length of screen (L2)      Length of silt trap (L3)      Pay length |
|-------------------------------------------------------------------------------------------------------------------------------------|

|                  |                                                                                           |
|------------------|-------------------------------------------------------------------------------------------|
| <b>COMMENTS:</b> | Borehole sealed with cement-bentonite grout from 14.4-109.4 ft prior to well installation |
|------------------|-------------------------------------------------------------------------------------------|

## **APPENDIX C**

### **Downhole Geophysical Logs**

# HAGER-RICHTER GEOSCIENCE, INC.

846 Main Street  
Fords, NJ 08863  
Phone: 732-661-0555  
Fax: 732-661-0123

## BR-12-01 - BOREHOLE GEOPHYSICAL LOGS - PRELIMINARY

DATE LOGGED:

November 7, 2013

CLIENT: Haley & Aldrich, Inc.

PROJECT: RG&E East Station Former MGP Site

LOCATION: Rochester, New York

LOGGING GEOPHYSICIST(S): Robert Garfield & Nick DeCristofaro

CLIENT REP(S) ON-SITE: Dave Nostrant & Santa McKenna

LOGS PROCESSED BY: Robert Garfield

H-R FILE: 13RG85

LOG DATUM: Top of the 6-Inch Inner & 8-Inch Outer Steel Casing

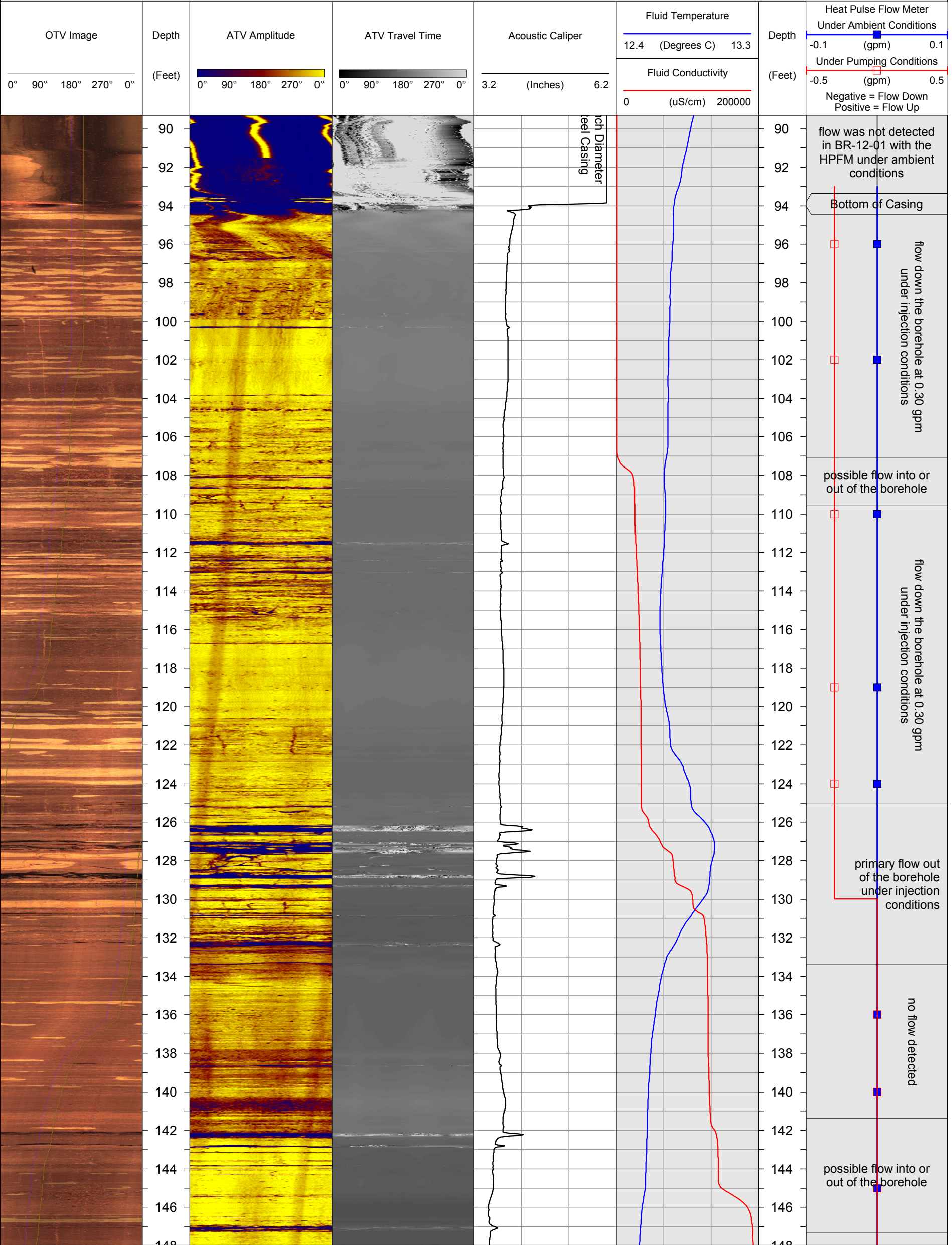
TOP OF CASING: 2.2 Feet Above the Ground Surface

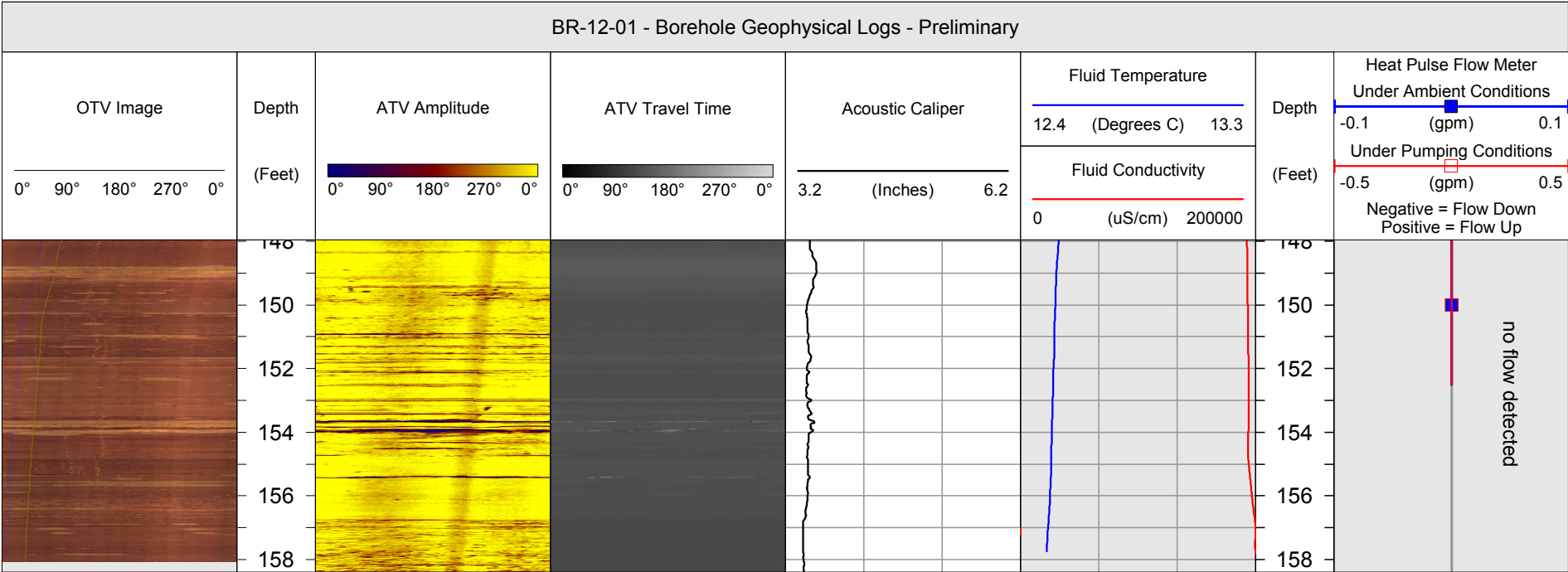
ORIENTATION REFERENCE: Magnetic North

BOREHOLE DIAMETER: 3.8 Inches (HQ-Cored)

WATER LEVEL DEPTH: 11.0 Feet

## BR-12-01 - Borehole Geophysical Logs - Preliminary





# HAGER-RICHTER GEOSCIENCE, INC.

846 Main Street  
Fords, NJ 08863  
Phone: 732-661-0555  
Fax: 732-661-0123

## BR-12-02 - BOREHOLE GEOPHYSICAL LOGS - PRELIMINARY

DATE LOGGED:

November 7, 2013

CLIENT: Haley & Aldrich, Inc.

PROJECT: RG&E East Station Former MGP Site

LOCATION: Rochester, New York

LOGGING GEOPHYSICIST(S): Robert Garfield & Nick DeCristofaro

CLIENT REP(S) ON-SITE: Dave Nostrant & Santa McKenna

LOGS PROCESSED BY: Robert Garfield

H-R FILE: 13RG85

LOG DATUM: Top of the 8-Inch Steel Casing

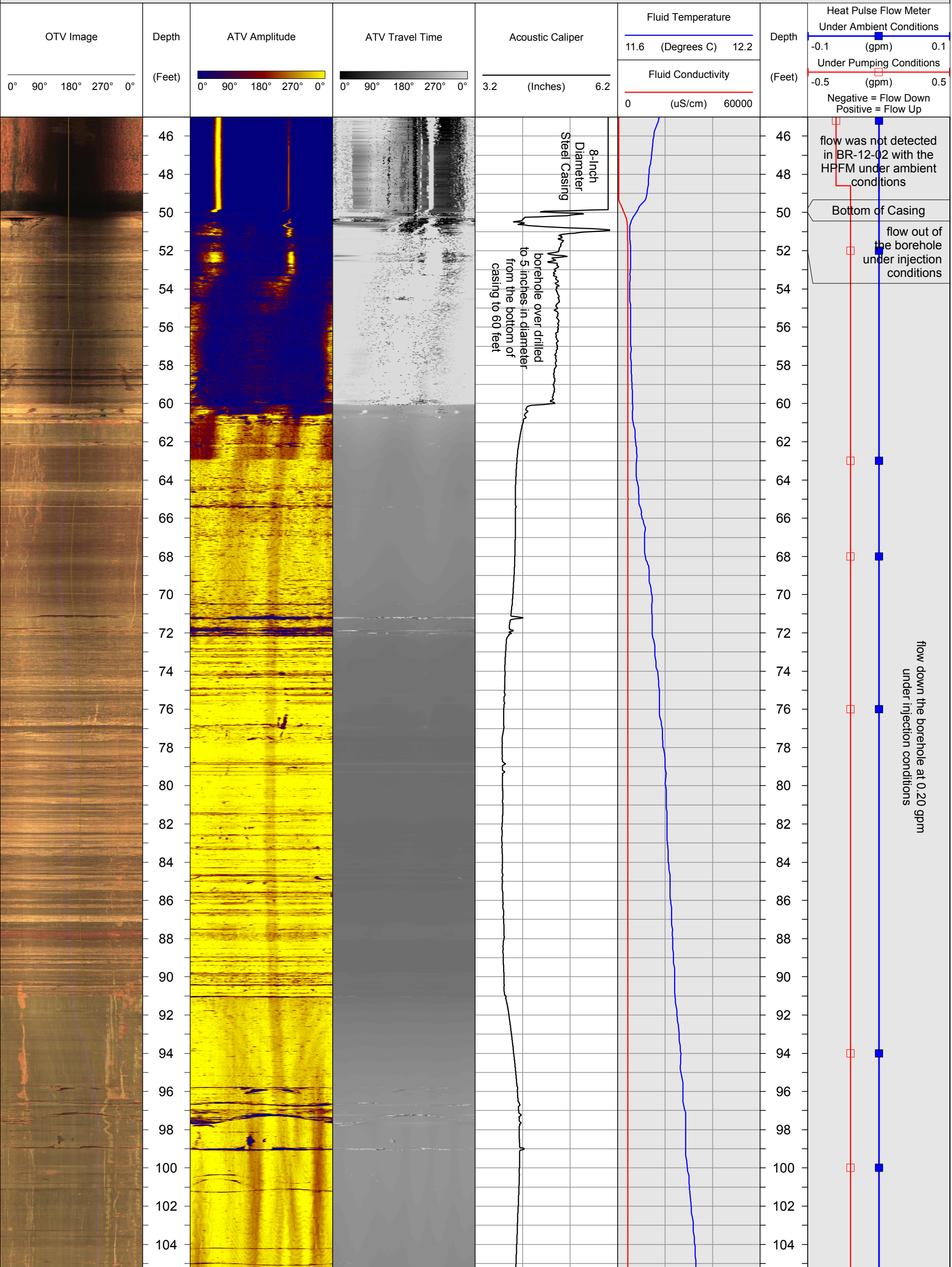
TOP OF CASING: 2.0 Feet Above the Ground Surface

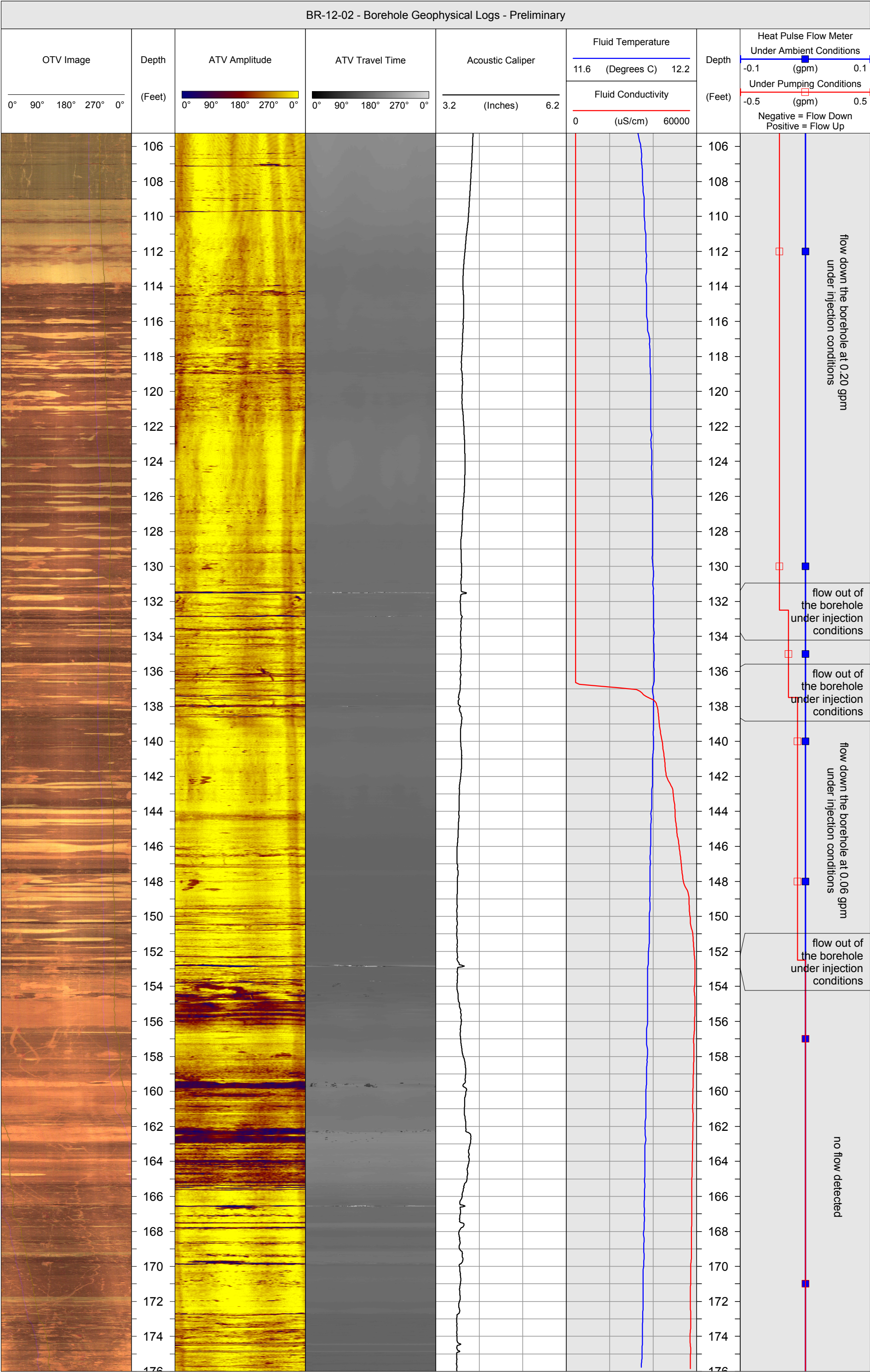
ORIENTATION REFERENCE:                      Magnetic North

BOREHOLE DIAMETER: 3.8 Inches (HQ-Cored)

WATER LEVEL DEPTH: 30.5 Feet

## BR-12-02 - Borehole Geophysical Logs - Preliminary





# HAGER-RICHTER GEOSCIENCE, INC.

846 Main Street  
Fords, NJ 08863  
Phone: 732-661-0555  
Fax: 732-661-0123

## BR-12-03 - BOREHOLE GEOPHYSICAL LOGS - PRELIMINARY

DATE LOGGED:

November 6, 2013

CLIENT: Haley & Aldrich, Inc.

PROJECT: RG&E East Station Former MGP Site

LOCATION: Rochester, New York

LOGGING GEOPHYSICIST(S): Robert Garfield & Nick DeCristofaro

CLIENT REP(S) ON-SITE: Dave Nostrant & Santa McKenna

LOGS PROCESSED BY: Robert Garfield

H-R FILE: 13RG85

LOG DATUM: Top of the 8-Inch Steel Casing

TOP OF CASING: 1.8 Feet Above the Ground Surface

ORIENTATION REFERENCE: Magnetic North

BOREHOLE DIAMETER: 3.8 Inches (HQ-Cored)

WATER LEVEL DEPTH: 9.3 Feet

## BR-12-03 - Borehole Geophysical Logs - Preliminary

