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**Groundwater Monitoring Report  
September 2018 (Q3) Quarterly Sampling Event**

**Glen Cove Former MGP Site**

City of Glen Cove

Nassau County, New York

Order on Consent Index No. D1-001-98-11

Site No. 1-30-089P

**Submitted to:**

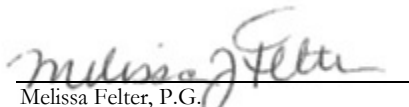
National Grid USA  
175 East Old Country Road  
Hicksville, NY 11801

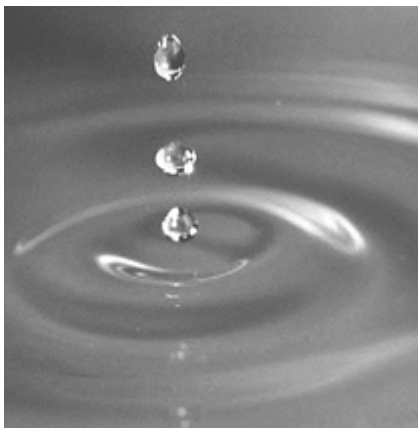
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## Table of Contents

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|                                                      |          |
|------------------------------------------------------|----------|
| <b>1. Introduction and Site Background</b>           | <b>1</b> |
| 1.1 Site Description and History                     | 2        |
| 1.2 Geology                                          | 2        |
| 1.3 Hydrogeology                                     | 3        |
| 1.4 Historical Groundwater Monitoring Event Summary  | 3        |
| <b>2. Glen Cove Site and Adjacent Off-site Areas</b> | <b>5</b> |
| 2.1 Groundwater Monitoring Event Summary             | 5        |
| 2.2 Monitoring Program                               | 5        |
| 2.2.1 Number of Wells                                | 5        |
| 2.2.2 Hydrological Data                              | 5        |
| 2.2.3 NAPL Gauging                                   | 7        |
| 2.2.4 Groundwater Analytical Sampling                | 7        |
| 2.2.5 Analytical Results                             | 7        |
| 2.3 Oxygen Injection System                          | 11       |
| 2.3.1 Program Scope and Purpose                      | 11       |
| 2.3.2 Current Monitoring Activities                  | 11       |
| 2.3.3 Oxygen Injection System OM&M Data              | 12       |

### Tables

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#### Attached

- 1 Water Level Measurements and Calculated Groundwater Elevations
- 2 Groundwater Analytical Results
- 3 Oxygen Injection System Operational Data

#### Embedded

- 1a Shallow Groundwater Measurements
- 1b Intermediate/Deep Groundwater Measurements
- 2a BTEX Detections Above NYS AWQS
- 2b PAH Detections Above NYS AWQS
- 3a Summary of Oxygen Injection System OM&M Activity

### Figures

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- 1 Site Location Map
- 2 Well Location Map
- 3 Groundwater Contour Map – Shallow Wells
- 4 Groundwater Contour Map – Intermediate Wells
- 5 Groundwater Analytical Results – Shallow Wells
- 6 Groundwater Analytical Results – Intermediate Wells

## 1. Introduction and Site Background

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This report presents the September 2018 quarterly groundwater monitoring results for the Glen Cove Former Manufactured Gas Plant (MGP) site located in Glen Cove, Nassau County, New York (the Site). The frequency of groundwater monitoring was modified to semiannual following the fourth quarter 2010 groundwater monitoring event, with New York State Department of Environmental Conservation (NYSDEC) approval and quarterly sampling resumed in the first quarter of 2018 following the completion of the Phase II field work. This report has been prepared in accordance with the requirements of Section 6 of *DER-10* (Division of Environmental Remediation) *Technical Guidance for Site Investigation and Remediation*; the Order on Consent, Index No. D1-0001-98-11 signed by National Grid Corporation (National Grid) and the NYSDEC, and the *Remedial Action Plan (RAP)*, *Glen Cove Former Manufactured Gas Plant, Town of Oyster Bay, Nassau Country, New York* prepared by GEI Consultants, Inc. (GEI), dated March 2010.

The NYSDEC-approved remedy for the Site included two remedial phases. Phase I includes the excavation of shallow soil and offsite disposal of accessible MGP-related source material (or “hot spots”). Phase II includes groundwater treatment using oxygen injection technology and the installation of recovery wells to remove mobile non-aqueous phase liquids (NAPL). The current property owner, Long Island Power Authority (LIPA), conducted a facility upgrade which included the installation of underground utilities, foundation, pilings, and associated electric equipment. LIPA’s upgrade to this substation was in response to the growing energy demand in the Glen Cove region.

Phase I excavation activities were performed from May 5 through 21, 2011 and included the removal and proper disposal of 3,411 tons of material at depths of up to approximately 17 feet below ground surface (ft bgs). An oxygen injection pilot test was conducted on April 27, 2011. Additional excavation of surface soils along the property boundary in the southwest portion of the Site was conducted from July 15 through 18, 2011. Approximately 240 tons of polycyclic aromatic hydrocarbon (PAH)-impacted material was removed to a depth of approximately 2 feet and transported offsite for proper disposal. A summary report of the soil removal was submitted to the NYSDEC on September 12, 2011. Phase II remediation began in February 2012 with the installation of one recovery well. Two additional recovery wells were installed in May 2012. The oxygen injection treatment system was installed between June 2017 and August 2017. The system was tested from September 17, 2017-November 28, 2017 and several mechanical and power related issues were resolved. The oxygen system began continuous operation on November 28, 2017.

As part of the long-term monitoring of the remedy, National Grid began quarterly monitoring of the groundwater at the Site in Q1 2010. Groundwater sampling was suspended in 2015 during LIPA substation construction. Monitoring wells which were abandoned to accommodate the LIPA substation construction project were reinstalled following the completion of the majority of the LIPA construction work. Quarterly sampling resumed in the first quarter of 2018 following the completion of the Phase II field work.

## **1.1 Site Description and History**

The Glen Cove Former MGP Site is an inverted L-shaped parcel of approximately 1.9 acres presently occupied by an active electrical substation which services Glen Cove and the surrounding area. Topographically, the Site is a flat depression bounded by approximately 20-foot high slopes to the north, south, and east.

To the west, the property slopes downward approximately 20 feet to Glen Cove Creek, a channelized stream, which eventually discharges to Hempstead Bay. Glen Cove Creek flows in a general south to north direction along the western site property line. The creek exits the property boundary at the northwest corner of the Site through a box culvert that directs flow beneath the Long Island Rail Road (LIRR) tracks. The creek eventually discharges to Mosquito Cove (Hempstead Bay). A site location map is included as **Figure 1**.

MGP operations at the Site began in 1905 under the ownership of the Sea Cliff and Glen Cove Gas Company. Facility structures were located on the northern section of the property, and consisted of a 60,000-cubic foot gas holder, boilers, purifiers, retorts, coal shed, engine room, tar and oil tank, and approximately eight gas tanks. In 1929, the Long Island Lighting Company (LILCO) terminated MGP operations and demolished the facility's surface structures sometime thereafter. Site activities following 1929 consisted solely of natural gas storage in a Hortonsphere gas holder through the 1950s. The Hortonsphere was decommissioned and demolished between 1959 and 1966. A major electrical substation was constructed on the Site in the mid-1960s. In 1998, Brooklyn Union Gas (BUG) and LILCO merged to form the KeySpan Corporation (KeySpan), at which time the ownership of the substation was transferred to LIPA. In 2007, National Grid acquired responsibility for the former MGP property through the acquisition of KeySpan. Currently, the Site is owned by LIPA and operated by PSEG-LI under contract to LIPA.

## **1.2 Geology**

The shallow stratigraphy beneath the Site is comprised of heterogeneous fill and glacial outwash of Upper Pleistocene deposits. The stratigraphic sequence consists of outwash deposits overlain by heterogeneous fill. The heterogeneous fill across most of the Site ranges in thickness from approximately 10 feet throughout most of the former site to 30 feet in the offsite area just north of the Site boundary. The fill composition is primarily poorly sorted

and highly permeable sand and gravel with varying percentages of gravel, silt, clay, and coal fragments. The glacial outwash deposits consist mainly of inter-bedded layers of permeable sand and gravel, and less permeable silty sand. The top of the glacial unit was encountered from approximately 10 ft bgs on the central portion of the Site to approximately 32 ft bgs from the top of the railroad embankment. The ground surface elevation of the Site is significantly lower than the top of the railroad embankment, and when factoring in the ground surface elevation difference, the glacial deposits are encountered at similar elevations across the Site and beneath the railroad embankment.

Glen Cove Creek originally occupied a natural stream channel just to the west of the Site before it was channelized along its present route. The natural creek bed is indicated by the alluvial deposits consisting of reworked glacial outwash present along the western boundary of the Site. The alluvial deposits associated with the original stream channel consist of isolated sand and gravelly sand layers encountered in the upper 5 to 10 feet of soils at the western site boundary.

### **1.3 Hydrogeology**

The groundwater beneath the Site is considered part of the regional Upper Glacial aquifer. Regionally, this aquifer is not used for drinking water. Drinking water for Long Island is provided by the deeper Magothy aquifer.

Groundwater elevations of site wells were similar for the shallow and intermediate wells ranging from about 45 to 52 feet above mean sea level (ft-msl). Groundwater elevation contours indicate a consistent groundwater flow direction to the west for the shallow zone wells and, historically, the west-northwest for the intermediate zone.

The water table surface of the shallow groundwater follows the general topography of the Site sloping from east to west. The hydraulic gradient is relatively steep (0.02 feet/foot) in the eastern and western portions of the Site and less steep (0.005 feet/foot) in the western portion of the Site. A uniform hydraulic gradient of about 0.005 feet/foot is present in the intermediate groundwater across the Site. The estimated groundwater seepage flow velocities, assuming an effective porosity of 20 percent, were calculated for the shallow and intermediate aquifer zones as 0.05 and 0.001 feet per day (ft/day), respectively. The potential vertical hydraulic gradients at the well clusters at the Site are less than 0.25 feet.

### **1.4 Historical Groundwater Monitoring Event Summary**

Three groundwater monitoring events were conducted at the Site prior to 2010. Groundwater sample collection and analysis, and NAPL/groundwater measurements were conducted in 2004, 2005, and 2008. Quarterly groundwater sampling was conducted during 2010. Semiannual sampling began in July 2011 after completion of the Phase I remedial

excavation. Semiannual sampling was suspended during 2015 during the LIPA substation construction project. The baseline sampling was completed in the first quarter 2016 and quarterly sampling resumed in the first quarter of 2018 following the completion of the Phase II field work.

## 2. Glen Cove Site and Adjacent Off-site Areas

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### 2.1 Groundwater Monitoring Event Summary

**Event Dates:** September 24-27, 2018

**Site Phase:** Quarterly groundwater monitoring

**Location:** The location of the Glen Cove Former MGP Site is depicted on **Figure 1**.

### 2.2 Monitoring Program

#### 2.2.1 Number of Wells

A total of 26 monitoring wells, piezometers, and recovery wells are currently located at or adjacent to the Site. Three recovery wells GCRW-01, GCRW-02 and GCRW-03 were installed in Q1 and Q2 2012. Piezometer PZ-03 is believed to have been destroyed in 2007. Monitoring wells GCMW-09S, GCMW-09I, GCMW-10S, GCMW-10I, GCMW-14S and GCMW-14I, as well as piezometers PZ-01A, PZ-02A, PZ-04 and PZ-07 were either destroyed or abandoned as part of the remedial activities conducted between March and May 2011. GCMW-09S-R, GCMW-09I-R, GCMW-10S-R, GCMW-10I-R, GCMW-14S-R, and GCMW-14I-R were reinstalled in summer 2014. Monitoring well GCMW-13S was destroyed during PSEG-LI construction activities in 2015. Monitoring well, recovery well and piezometer locations are depicted in **Figure 2**.

#### 2.2.2 Hydrological Data

Groundwater levels were measured at 26 monitoring wells and piezometers on September 26, 2018. Depth to groundwater and calculated groundwater elevations are provided in **Table 1**. Shallow and intermediate groundwater contours and elevations for the September 2018 sampling event are depicted in **Figures 3 and 4**, respectively. The groundwater flow direction was generally to the west towards Glen Cove Creek in the shallow zone and to the southwest in the intermediate zone (**Figures 3 and 4**). The depth to water and water table elevation data for the shallow and intermediate portions of the aquifer are presented below.

## Shallow Groundwater Zone

**Table 1a – Shallow Groundwater Measurements**

| Well ID    | Depth to Water (feet) | Water Elevation (feet above MSL) |
|------------|-----------------------|----------------------------------|
| PZ-05      | 9.72                  | 48.43                            |
| PZ-06      | 6.03                  | 50.91                            |
| GCMW-08S   | 28.12                 | 48.25                            |
| GCMW-09S-R | 10.64                 | 43.95                            |
| GCMW-10S-R | 10.01                 | 43.87                            |
| GCMW-11S   | 9.05                  | 45.31                            |
| GCMW-12S   | 13.47                 | 48.18                            |
| GCMW-14S-R | 10.39                 | 44.11                            |
| GCMW-15    | 5.31                  | *NA                              |
| GCMW-16    | 6.31                  | *NA                              |
| GCMW-20S   | 10.44                 | 43.80                            |
| GCMW-21I   | 31.36                 | 45.32                            |
| GCRW-01    | 10.01                 | 44.77                            |
| GCRW-02    | 6.74                  | 47.43                            |
| GCRW-03    | 10.42                 | 44.10                            |

\*GCMW-15 and GCMW-16 have not been re-surveyed with the on-site well, so were not used to generate contours shown in **Figure 3**.

The average calculated shallow hydraulic gradient was 0.030 feet/foot.

## Intermediate/Deep Groundwater Zone

**Table 1b – Intermediate/Deep Groundwater Measurements**

| Well ID    | Depth to Water (feet) | Water Elevation (feet above MSL) |
|------------|-----------------------|----------------------------------|
| GCMW-09I-R | 10.45                 | 43.95                            |
| GCMW-08D   | 31.52                 | 45.07                            |
| GCMW-10I-R | 10.03                 | 43.97                            |
| GCMW-11I   | 10.84                 | 44.61                            |
| GCMW-13I   | 12.21                 | 43.30                            |
| GCMW-14I-R | 10.32                 | 44.08                            |
| GCMW-20I2  | 10.51                 | 44.01                            |
| GCMW-21I2  | 32.40                 | 44.07                            |
| GCMW-22I   | 10.91                 | 43.77                            |
| GCMW-22I2  | 10.61                 | 43.95                            |

The calculated intermediate hydraulic gradient was 0.007 feet/foot.

### **2.2.3 NAPL Gauging**

All of the existing wells in the groundwater monitoring network and the three newly installed recovery wells are gauged for the presence of NAPL during each groundwater monitoring event. The three new recovery wells GCRW-01, GCRW-02 and GCRW-03, were installed in Q1 (GCRW-01) and Q2 2012, in the vicinity of the substation (**Figure 2**). The three new recovery wells are located downgradient of the substation (**Figure 2**). Recovery well GCRW-01 was installed in Q1 2012 and recovery wells GCRW-02 and GCRW-03 were installed in Q2 2012.

Historically, dense non-aqueous phase liquid (DNAPL) has only been present in MW-13S. DNAPL was measured in MW-13S at a thickness of 0.74 feet in June 2005 and had been steadily decreasing to the thickness of 0.3 feet, in July 2011, prior to the increasing in the two 2012 sampling events. The measured thicknesses during these events were 0.65 and 0.70 feet, respectively. The DNAPL thickness in MW-13S decreased during the January 2013 event to 0.40 feet and decreased again in the July 2013 event to 0.30 feet. Monitoring well GCMW-13S was destroyed during PSEG-LI construction activities in 2015. NAPL was not observed in any of the 26 existing wells during the February 2016, March 2018, June 2018, and September 2018 gauging events.

### **2.2.4 Groundwater Analytical Sampling**

The Q3 2018 groundwater sampling event was performed on September 24-27, 2018 and included all accessible wells on the quarterly sampling list. If monitoring wells with measurable thicknesses of NAPL were identified during a sampling event they would not be sampled. A total of 26 monitoring wells, recovery wells and piezometers were sampled for the following analytes:

- Volatile organic compounds (VOCs) and methyl tert-butyl ether (MTBE) via Environmental Protection Agency (EPA) Method 8260.
- Semi-volatile organic compounds (SVOCs) via EPA Method 8270.

In addition, 13 monitoring wells were also sampled for the following analytes:

- Polychlorinated biphenyls (PCBs),
- TAL Metals, and
- Total Cyanide.

### **2.2.5 Analytical Results**

The discussion below focuses on the analytical results from the current sampling event. A summary of historical groundwater monitoring results is included in **Figures 5 and 6**.

## VOCs

VOC detections above the New York State Technical and Operational Guidance Series (TOGS), 1.1.1 – Ambient Water Quality Standards and Guidance Values (AWQS) for Class GA groundwater were generally limited to benzene, toluene, ethylbenzene and xylene (BTEX). Exceptions include detections of MTBE (21 micrograms per liter [µg/L]) and styrene (6.4 µg/L) in well GCMW-11I, vinyl chloride (3.5 µg/L) in GCMW-15, and tetrachloroethene (PCE) (5.5 µg/L) in GCMW-20I. Total BTEX concentrations ranged from less than method detection limits (ND) in 17 of the 26 wells sampled, to 544.6 µg/L in GCMW-11S. Individual BTEX compound concentrations above the AWQS were identified in eight of the eleven wells with detections. The detections and exceedances of the AWQS are summarized in table below.

**Table 2a – BTEX Detections Above NYS AWQS**

| Sample Name  | GCMW-08D  | GCMW-09SR   | GCMW-11S     | GCMW-11I   | GCMW-13I     |
|--------------|-----------|-------------|--------------|------------|--------------|
| Sample Date  | 9/27/2018 | 9/24/2018   | 9/25/2018    | 9/25/2018  | 9/25/2018    |
| Benzene      | 1 U       | <b>4.7</b>  | <b>36</b>    | <b>220</b> | <b>2.7</b>   |
| Toluene      | <b>15</b> | <b>3.5</b>  | <b>8.6</b>   | <b>15</b>  | <b>1.5</b>   |
| Ethylbenzene | 1 U       | <b>47</b>   | <b>280</b>   | <b>39</b>  | <b>190</b>   |
| Total Xylene | 2 U       | <b>35</b>   | <b>220</b>   | <b>110</b> | <b>270</b>   |
| Total BTEX   | <b>15</b> | <b>90.2</b> | <b>544.6</b> | <b>384</b> | <b>464.2</b> |

| Sample Name  | GCMW-21I      | GCMW-21I2     | GCRW-01     |
|--------------|---------------|---------------|-------------|
| Sample Date  | 9/27/2018     | 9/27/2018     | 9/24/2018   |
| Benzene      | 1 U           | <b>0.48 J</b> | <b>1.4</b>  |
| Toluene      | <b>11</b>     | <b>9.8</b>    | <b>6.8</b>  |
| Ethylbenzene | <b>0.41 J</b> | 1 U           | <b>31</b>   |
| Total Xylene | 2 U           | 2 U           | <b>32</b>   |
| Total BTEX   | <b>11.41</b>  | <b>10.28</b>  | <b>71.2</b> |

Notes:

BTEX - benzene, toluene, ethylbenzene, and xylenes (a subset of VOCs)

NYS AWQS - New York State Ambient Water Quality Standards and Guidance Values for GA groundwater

Bolding indicates a detected concentration

Shading and bolding indicates that the detected concentration is above the NYS AWQS

J - estimated value

U - not detected to the reporting limit

BTEX detections in the September 2018 monitoring event generally remained relatively stable with the majority being at, or near, detections levels. Some of the wells with detections above the AWQS remained within their respective historical concentration range, being similar to, or below their respective historical average. BTEX concentrations at GCMW-08D, GCMW-11I, GCMW-13I, GCMW-21I, and GCMW-21I2 were detected above their respective historical average.

### SVOCs

SVOC detections above the AWQS were limited to PAHs. Total PAH concentrations ranged from ND in 15 of the 26 wells sampled to 6,120 µg/L in GCMW-13I. Historically, the highest detection of total PAHs has been detected in monitoring well GCMW-13S. GCMW-13S was destroyed and not sampled. The detections in wells with concentrations above the AWQS are summarized in the table on the following page.

**Table 2b – PAH Detections Above NYS AWQS**

| Sample Name            | GCMW-09SR    | GCMW-11S     | GCMW-11I      | GCMW-13I     |
|------------------------|--------------|--------------|---------------|--------------|
| Sample Date            | 9/24/2018    | 9/25/2018    | 9/25/2018     | 9/25/2018    |
| Acenaphthene           | <b>120</b>   | <b>180 J</b> | <b>25 J</b>   | 500 U        |
| Acenaphthylene         | 50 U         | 200 U        | <b>18 J</b>   | 500 U        |
| Anthracene             | <b>10 J</b>  | 200 U        | 100 U         | 500 U        |
| Benzo(a)anthracene     | 5 U          | 20 U         | 10 U          | 50 U         |
| Benzo(b)fluoranthene   | 10 U         | 40 U         | 20 UJ         | 100 UJ       |
| Benzo(k)fluoranthene   | 5 U          | 20 U         | 10 U          | 50 U         |
| Benzo(g,h,i)perylene   | 50 U         | 200 U        | 100 U         | 500 U        |
| Benzo(a)pyrene         | 5 U          | 20 U         | 10 U          | 50 U         |
| Chrysene               | 10 U         | 40 U         | 20 U          | 100 U        |
| Fluoranthene           | <b>5.3 J</b> | 200 U        | 100 U         | 500 U        |
| Fluorene               | <b>54</b>    | <b>57 J</b>  | 100 U         | 500 U        |
| Indeno(1,2,3-cd)pyrene | 10 U         | 40 U         | 20 U          | 100 U        |
| 2-Methylnaphthalene    | <b>43 J</b>  | <b>160 J</b> | 100 U         | <b>220 J</b> |
| Naphthalene            | <b>450</b>   | <b>1900</b>  | <b>1000</b>   | <b>5900</b>  |
| Phenanthrene           | <b>70</b>    | <b>58 J</b>  | <b>8.9 J</b>  | 500 U        |
| Pyrene                 | 50 U         | 200 U        | 100 U         | 500 U        |
| Total PAHs             | <b>752.3</b> | <b>2355</b>  | <b>1051.9</b> | <b>6120</b>  |

| Sample Name            | GCMW-20S      | GCMW-21I     | GCRW-01      |
|------------------------|---------------|--------------|--------------|
| Sample Date            | 9/24/2018     | 9/27/2018    | 9/24/2018    |
| Acenaphthene           | 10 U          | <b>41</b>    | <b>120 J</b> |
| Acenaphthylene         | <b>1.2 J</b>  | <b>2.5 J</b> | <b>4.7 J</b> |
| Anthracene             | <b>0.98 J</b> | <b>4.4 J</b> | <b>5.1 J</b> |
| Benzo(a)anthracene     | <b>2.4</b>    | 1 U          | 1 U          |
| Benzo(b)fluoranthene   | <b>4.1</b>    | 2 U          | 2 U          |
| Benzo(k)fluoranthene   | <b>1.6 J</b>  | 1 U          | 1 U          |
| Benzo(g,h,i)perylene   | <b>2.3 J</b>  | 10 U         | 10 U         |
| Benzo(a)pyrene         | <b>3.6</b>    | 1 U          | 1 U          |
| Chrysene               | <b>2.7</b>    | 2 U          | 2 U          |
| Fluoranthene           | <b>2.8 J</b>  | <b>3.7 J</b> | <b>2.8 J</b> |
| Fluorene               | 10 U          | <b>18</b>    | <b>50 J</b>  |
| Indeno(1,2,3-cd)pyrene | <b>2 J</b>    | 2 U          | 2 UJ         |
| 2-Methylnaphthalene    | 10 U          | 10 U         | 10 U         |
| Naphthalene            | 10 U          | 10 U         | <b>7.8 J</b> |
| Phenanthrene           | <b>1.6 J</b>  | <b>31</b>    | <b>30 J</b>  |
| Pyrene                 | <b>4.3 J</b>  | <b>4.7 J</b> | <b>2.7 J</b> |
| Total PAHs             | <b>29.58</b>  | <b>105.3</b> | <b>223.1</b> |

Notes:

PAHs - polycyclic aromatic hydrocarbons

NYS AWQS - New York State Ambient Water Quality Standards and Guidance Values for GA groundwater

Bolding indicates a detected concentration

Shading and bolding indicates that the detected concentration is above the NYS AWQS

J - estimated value

U - not detected to the reporting limit

Concentrations of total PAHs were detected above the AWQS in 11 of the 26 wells. Total PAH concentrations in most of the monitoring wells and recovery wells remained within their respective historical concentration ranges. Total PAH concentrations in wells with detections above the AWQS decreased significantly in GCMW-11S, GCMW-09S-R, and GCRW-01, since sampling began, but increased in GCMW-13I.

The laboratory analytical results for the September 2018 sampling event are included in **Table 2**.

### Other

PCBs, total metals, and total cyanide were analyzed in 13 of the 26 wells analyzed during the sampling event. Analyzing samples for PCBs, total metals, and total cyanide began during the baseline groundwater sampling event in 2016.

PCB concentrations were not detected in any sample. This is consistent with the 2016 baseline groundwater sampling results.

Total metals concentrations were detected above the AWQS for antimony, arsenic, barium, beryllium, chromium, copper, iron, lead, magnesium, manganese, mercury, nickel, selenium, sodium, and thallium, some of which are naturally occurring. Arsenic, barium, beryllium, copper, magnesium, mercury, nickel, selenium, and thallium were not detected at concentrations above the AWQSs during the baseline groundwater sampling event in 2016.

Total cyanide was detected in four samples at concentrations below the AWQS. Total cyanide concentrations have increased from 47.9 µg/L to 120 µg/L and ND to 55.4 µg/L at GCMW-09SR and GCMW-20S, respectively.

## **2.3 Oxygen Injection System**

### **2.3.1 Program Scope and Purpose**

An oxygen injection system started operation in November 2017 and is currently in operation at the site. The oxygen injection system generates and injects oxygen into the subsurface to create an aerobic environment which facilitates the bioremediation of the dissolved MGP-related contaminants.

### **2.3.2 Current Monitoring Activities**

The oxygen injection system monitoring activities are summarized in **Table 3a**, below.

**Table 3a – Summary of Oxygen Injection System OM&M Activity**

| Current Activity                                   | Description                                                                                                                                             | Frequency |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Oxygen System Monitoring                           | Routine inspection and maintenance of the system components, monitoring of operational parameters, and recording/adjusting of the injection flow rates. | Monthly   |
|                                                    | Monitoring of oxygen purity.                                                                                                                            | Monthly   |
| Performance Monitoring of Oxygen Injection Systems | Monitoring of total BTEX and total PAH concentrations in groundwater at upgradient and downgradient wells.                                              | Quarterly |
|                                                    | Monitoring of groundwater chemistry parameters.                                                                                                         | Quarterly |

### **2.3.3 Oxygen Injection System OM&M Data**

#### **2.3.3.1 System Operational Data**

The oxygen injection system operational data for Q3 2018 can be viewed in **Table 3**. The system is operating within the design parameters. Two of the injection wells will be redeveloped in Q1 2019 to address potential low flow conditions observed at the wells. These wells are installed in the less permeable silty sand layer observed at the site.

## Tables

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**Table 1. Water Level Measurements and Calculated Groundwater Elevations**  
**Groundwater Monitoring Report - Q3 2018**  
**Glen Cove Former MGP Site**  
**Glen Cove, New York**

| Well ID               | Date of Measurement | Screened Interval (feet bgs) | Time of Measurement | Well Casing Diameter (inches) | Well Elevation <sup>1</sup> (feet above MSL) | Depth to Water (feet) | Water Elevation (feet above MSL) |
|-----------------------|---------------------|------------------------------|---------------------|-------------------------------|----------------------------------------------|-----------------------|----------------------------------|
| PZ-05                 | 9/26/2018           | 8-18                         | 855                 | 2                             | 58.15                                        | 9.72                  | 48.43                            |
| PZ-06                 | 9/26/2018           | 7-17                         | 853                 | 2                             | 56.94                                        | 6.03                  | 50.91                            |
| GCMW-08S              | 9/26/2018           | 26-36                        | 912                 | 2                             | 76.37                                        | 28.12                 | 48.25                            |
| GCMW-08D              | 9/26/2018           | 60-70                        | 914                 | 2                             | 76.59                                        | 31.52                 | 45.07                            |
| GCMW-09S-R            | 9/26/2018           | 6-16                         | 844                 | 2                             | 54.59                                        | 10.64                 | 43.95                            |
| GCMW-09I-R            | 9/26/2018           | 24-34                        | 842                 | 2                             | 54.40                                        | 10.45                 | 43.95                            |
| GCMW-10S-R            | 9/26/2018           | 15-20                        | 826                 | 2                             | 53.88                                        | 10.01                 | 43.87                            |
| GCMW-10I-R            | 9/26/2018           | 20-30                        | 826                 | 2                             | 54.00                                        | 10.03                 | 43.97                            |
| GCMW-11S              | 9/26/2018           | 8-20                         | 851                 | 2                             | 54.36                                        | 9.05                  | 45.31                            |
| GCMW-11I              | 9/26/2018           | 23-28                        | 852                 | 2                             | 55.45                                        | 10.84                 | 44.61                            |
| GCMW-12S              | 9/26/2018           | 14-24                        | 856                 | 2                             | 61.65                                        | 13.47                 | 48.18                            |
| GCMW-13S <sup>2</sup> | NM                  | 12-22                        | NM                  | 2                             | NM                                           | NM                    | NM                               |
| GCMW-13I              | 9/26/2018           | 25-30                        | 849                 | 2                             | 55.51                                        | 12.21                 | 43.30                            |
| GCMW-14S-R            | 9/26/2018           | 10-20                        | 831                 | 2                             | 54.5                                         | 10.39                 | 44.11                            |
| GCMW-14I-R            | 9/26/2018           | 23-28                        | 830                 | 2                             | 54.40                                        | 10.32                 | 44.08                            |
| GCMW-15               | 9/26/2018           | 6-16                         | 906                 | 2                             | NM <sup>3</sup>                              | 5.31                  | NA <sup>3</sup>                  |
| GCMW-16               | 9/26/2018           | 6-16                         | 905                 | 2                             | NM <sup>3</sup>                              | 6.31                  | NA <sup>3</sup>                  |
| GCMW-20S              | 9/26/2018           | 9-19                         | 837                 | 2                             | 54.24                                        | 10.44                 | 43.80                            |
| GCMW-20I              | 9/26/2018           | 35-45                        | 833                 | 2                             | 53.95                                        | 9.27                  | 44.68                            |
| GCMW-20I2             | 9/26/2018           | 45-55                        | 835                 | 2                             | 54.52                                        | 10.51                 | 44.01                            |
| GCMW-21I              | 9/26/2018           | 25-35                        | 916                 | 2                             | 76.68                                        | 31.36                 | 45.32                            |
| GCMW-21I2             | 9/26/2018           | 45-55                        | 917                 | 2                             | 76.47                                        | 32.40                 | 44.07                            |
| GCMW-22I              | 9/26/2018           | 27-37                        | 812                 | 2                             | 54.68                                        | 10.91                 | 43.77                            |
| GCMW-22I2             | 9/26/2018           | 47-57                        | 812                 | 2                             | 54.56                                        | 10.61                 | 43.95                            |
| GCRW-01               | 9/26/2018           | 15-25                        | 840                 | 2                             | 54.78                                        | 10.01                 | 44.77                            |
| GCRW-02               | 9/26/2018           | 15-25                        | 846                 | 2                             | 54.17                                        | 6.74                  | 47.43                            |
| GCRW-03               | 9/26/2018           | 15-25                        | 847                 | 2                             | 54.52                                        | 10.42                 | 44.10                            |

**Notes:**

bgs - Below Ground Surface

<sup>1</sup> - Well Elevations Obtained From 2015 Site Survey

<sup>2</sup> - Destroyed

<sup>3</sup> - Well elevation has not been surveyed

MSL - Mean Sea Level

NM - Not Measured

NA - Not Applicable

Table 2. Groundwater Analysis Results  
Groundwater Monitoring Report - Q3 2018  
Glen Cove Former MGP Site  
Glen Cove, New York

|                                  |       |            |          | Location Name | GCMW-08S  | GCMW-08D  | GCMW-09SR  | GCMW-09IR  | GCMW-10SR  | GCMW-10IR  | GCMW-11S  | GCMW-11I  | GCMW-12S  | GCMW-13I  | GCMW-14SR  |
|----------------------------------|-------|------------|----------|---------------|-----------|-----------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|
|                                  |       |            |          | Sample Name   | GCMW-08S  | GCMW-08D  | GCMW-09S-R | GCMW-09I-R | GCMW-10S-R | GCMW-10I-R | GCMW-11S  | GCMW-11I  | GCMW-12S  | GCMW-13I  | GCMW-14S-R |
|                                  |       |            |          | Start Depth   | 26        | 60        | 8          | 24         | 15         | 20         | 8         | 23        | 14        | 25        | 10         |
|                                  |       |            |          | End Depth     | 36        | 70        | 18         | 34         | 20         | 30         | 20        | 28        | 24        | 30        | 20         |
|                                  |       |            |          | Depth Unit    | ft        | ft        | ft         | ft         | ft         | ft         | ft        | ft        | ft        | ft        | ft         |
|                                  |       |            |          | Sample Date   | 9/27/2018 | 9/27/2018 | 9/24/2018  | 9/24/2018  | 9/25/2018  | 9/25/2018  | 9/25/2018 | 9/25/2018 | 9/25/2018 | 9/25/2018 | 9/26/2018  |
|                                  |       |            |          | Parent Sample |           |           |            |            |            |            |           |           |           |           |            |
| Analyte                          | Units | CAS No.    | NYS AWQS |               |           |           |            |            |            |            |           |           |           |           |            |
| BTEX                             | ug/L  |            |          |               |           |           |            |            |            |            |           |           |           |           |            |
| Benzene                          |       | 71-43-2    | 1        | 1 U           | 1 U       | 4.7       | 1 U        | 1 U        | 1 U        | 36         | 220       | 1 U       | 2.7       | 1 U       |            |
| Toluene                          |       | 108-88-3   | 5        | 3.9           | 15        | 3.5       | 1 U        | 1 U        | 1 U        | 8.6        | 15        | 1 U       | 1.5       | 1 U       |            |
| Ethylbenzene                     |       | 100-41-4   | 5        | 1 U           | 1 U       | 47        | 1 U        | 1 U        | 1 U        | 280        | 39        | 1 U       | 190       | 1 U       |            |
| Total Xylene                     |       | 1330-20-7  | 5        | 2 U           | 2 U       | 35        | 2 U        | 2 U        | 2 U        | 220        | 110       | 2 U       | 270       | 2 U       |            |
| Total BTEX (ND=0)                |       | TBTEX_ND0  | NE       | 3.9           | 15        | 90.2      | ND         | ND         | ND         | 544.6      | 384       | ND        | 464.2     | ND        |            |
| Other VOCs                       | ug/L  |            |          |               |           |           |            |            |            |            |           |           |           |           |            |
| Acetone                          |       | 67-64-1    | 50*      | 5 UJ          | 5 UJ      | 5 U       | 5 U        | 5 U        | 5 U        | 5 U        | 5 U       | 5 U       | 5 U       | 5 U       | 5 U        |
| Bromodichloromethane             |       | 75-27-4    | 50*      | 1 U           | 1 U       | 1 U       | 1 U        | 1 U        | 1 U        | 1 U        | 1 U       | 1 U       | 1 U       | 1 U       | 1 U        |
| Bromoform                        |       | 75-25-2    | 50*      | 1 U           | 1 U       | 1 UJ      | 1 UJ       | 1 UJ       | 1 UJ       | 1 UJ       | 1 UJ      | 1 UJ      | 1 UJ      | 1 UJ      | 1 U        |
| Bromomethane                     |       | 74-83-9    | 5        | 1 U           | 1 U       | 1 UJ      | 1 UJ       | 1 U        | 1 U        | 1 U        | 1 U       | 1 U       | 1 U       | 1 U       | 1 UJ       |
| Carbon disulfide                 |       | 75-15-0    | 60*      | 1 U           | 1 U       | 1 U       | 1 U        | 1 U        | 1 U        | 1 U        | 1 U       | 1 U       | 1 U       | 1 U       | 1 U        |
| Carbon tetrachloride             |       | 56-23-5    | 5        | 1 U           | 1 U       | 1 U       | 1 U        | 1 U        | 1 U        | 1 U        | 1 U       | 1 U       | 1 U       | 1 U       | 1 U        |
| Chlorobenzene                    |       | 108-90-7   | 5        | 1 U           | 1 U       | 1 U       | 1 U        | 1 U        | 1 U        | 1 U        | 1 U       | 1 U       | 1 U       | 1 U       | 1 U        |
| Chloroethane                     |       | 75-00-3    | 5        | 1 U           | 1 U       | 1 U       | 1 U        | 1 U        | 1 U        | 1 U        | 1 U       | 1 U       | 1 U       | 1 U       | 1 U        |
| Chloroform (Trichloromethane)    |       | 67-66-3    | 7        | 1 U           | 1 U       | 1 U       | 1 U        | 1 U        | 1 U        | 1 U        | 1 U       | 1 U       | 1 U       | 1 U       | 1 U        |
| Chloromethane                    |       | 74-87-3    | 5        | 1 U           | 1 U       | 1 UJ      | 1 UJ       | 1 UJ       | 1 UJ       | 1 UJ       | 1 UJ      | 1 UJ      | 1 UJ      | 1 UJ      | 1 U        |
| Dibromochloromethane             |       | 124-48-1   | 50*      | 1 U           | 1 U       | 1 U       | 1 U        | 1 UJ       | 1 UJ       | 1 UJ       | 1 UJ      | 1 UJ      | 1 UJ      | 1 UJ      | 1 U        |
| 1,1-Dichloroethane               |       | 75-34-3    | 5        | 0.7 J         | 1 U       | 0.75 J    | 1 U        | 1 U        | 1 U        | 2          | 2.3       | 1 U       | 0.92 J    | 1 U       |            |
| 1,2-Dichloroethane               |       | 107-06-2   | 0.6      | 1 U           | 1 U       | 1 U       | 1 U        | 1 U        | 1 U        | 1 U        | 1 U       | 1 U       | 1 U       | 1 U       | 1 U        |
| 1,1-Dichloroethene               |       | 75-35-4    | 5        | 1 U           | 1 U       | 1 U       | 1 U        | 1 U        | 1 U        | 1 U        | 1 U       | 1 U       | 1 U       | 1 U       | 1 U        |
| Total 1,2-Dichloroethene         |       | 540-59-0   | NE       | 2 U           | 2 U       | 2 U       | 2 U        | 2 U        | 2 U        | 2 U        | 2 U       | 2 U       | 2 U       | 2 U       | 2 U        |
| 1,2-Dichloropropane              |       | 78-87-5    | 1        | 1 U           | 1 U       | 1 U       | 1 U        | 1 U        | 1 U        | 1 U        | 1 U       | 1 U       | 1 U       | 1 U       | 1 U        |
| cis-1,3-Dichloropropene          |       | 10061-01-5 | 0.4      | 1 U           | 1 U       | 1 U       | 1 U        | 1 U        | 1 U        | 1 U        | 1 U       | 1 U       | 1 U       | 1 U       | 1 U        |
| trans-1,3-Dichloropropene        |       | 10061-02-6 | 0.4      | 1 U           | 1 U       | 1 U       | 1 U        | 1 U        | 1 U        | 1 U        | 1 U       | 1 U       | 1 U       | 1 U       | 1 U        |
| 2-Hexanone                       |       | 591-78-6   | 50*      | 5 U           | 5 U       | 5 U       | 5 U        | 5 U        | 5 U        | 5 U        | 5 U       | 5 U       | 5 U       | 5 U       | 5 U        |
| Methyl ethyl ketone (2-Butanone) |       | 78-93-3    | 50*      | 5 U           | 5 U       | 5 U       | 5 U        | 5 U        | 5 U        | 5 U        | 5 U       | 5 U       | 5 U       | 5 U       | 5 U        |
| Methyl tert-butyl ether (MTBE)   |       | 1634-04-4  | 10*      | 1 U           | 1.4       | 1 U       | 1 U        | 1 U        | 1 U        | 1 U        | 21        | 1 U       | 1 U       | 1 U       | 1 U        |
| 4-Methyl-2-pentanone (MIBK)      |       | 108-10-1   | NE       | 5 U           | 5 U       | 5 U       | 5 U        | 5 U        | 5 U        | 5 U        | 5 U       | 5 U       | 5 U       | 5 U       | 5 U        |
| Methylene chloride               |       | 75-09-2    | 5        | 1 U           | 1 U       | 1 U       | 1 U        | 1 U        | 1 U        | 1 U        | 1 U       | 1 U       | 1 U       | 1 U       | 1 U        |
| Styrene                          |       | 100-42-5   | 5        | 1 U           | 1 U       | 1 U       | 1 U        | 1 U        | 1 U        | 1 U        | 6.4       | 1 U       | 0.8 J     | 1 U       |            |
| 1,1,2,2-Tetrachloroethane        |       | 79-34-5    | 5        | 1 U           | 1 U       | 1 U       | 1 U        | 1 U        | 1 U        | 1 U        | 1 U       | 1 U       | 1 U       | 1 U       | 1 U        |
| Tetrachloroethene (PCE)          |       | 127-18-4   | 5        | 1 U           | 1 U       | 1 U       | 2.9        | 1 U        | 0.53 J     | 1 U        | 1 U       | 1 U       | 1 U       | 1 U       | 1 U        |
| 1,1,1-Trichloroethane (TCA)      |       | 71-55-6    | 5        | 1 U           | 1 U       | 1 U       | 1 U        | 1 U        | 1 U        | 1 U        | 1 U       | 1 U       | 1 U       | 1 U       | 1 U        |
| 1,1,2-Trichloroethane            |       | 79-00-5    | 1        | 1 U           | 1 U       | 1 U       | 1 U        | 1 U        | 1 U        | 1 U        | 1 U       | 1 U       | 1 U       | 1 U       | 1 U        |
| Trichloroethene (TCE)            |       | 79-01-6    | 5        | 1 U           | 1 U       | 1 U       | 1 U        | 1 U        | 1 U        | 1 U        | 1 U       | 1 U       | 1 U       | 1 U       | 1 U        |
| Vinyl chloride                   |       | 75-01-4    | 2        | 1 U           | 1 U       | 1 U       | 1 U        | 1 UJ       | 1 UJ       | 1 UJ       | 1 UJ      | 1 UJ      | 1 UJ      | 1 UJ      | 1 U        |
| Total VOCs (ND=0)                |       | TVOC_ND0   | NE       | 4.6           | 16.4      | 90.95     | 2.9        | ND         | 0.53       | 546.6      | 413.7     | ND        | 465.92    | ND        |            |

Table 2. Groundwater Analysis Results  
Groundwater Monitoring Report - Q3 2018  
Glen Cove Former MGP Site  
Glen Cove, New York

|                             |       |            |          | Location Name | GCMW-08S  | GCMW-08D  | GCMW-09SR  | GCMW-09IR  | GCMW-10SR  | GCMW-10IR  | GCMW-11S  | GCMW-11I  | GCMW-12S  | GCMW-13I  | GCMW-14SR  |
|-----------------------------|-------|------------|----------|---------------|-----------|-----------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|
|                             |       |            |          | Sample Name   | GCMW-08S  | GCMW-08D  | GCMW-09S-R | GCMW-09I-R | GCMW-10S-R | GCMW-10I-R | GCMW-11S  | GCMW-11I  | GCMW-12S  | GCMW-13I  | GCMW-14S-R |
|                             |       |            |          | Start Depth   | 26        | 60        | 8          | 24         | 15         | 20         | 8         | 23        | 14        | 25        | 10         |
|                             |       |            |          | End Depth     | 36        | 70        | 18         | 34         | 20         | 30         | 20        | 28        | 24        | 30        | 20         |
|                             |       |            |          | Depth Unit    | ft        | ft        | ft         | ft         | ft         | ft         | ft        | ft        | ft        | ft        | ft         |
|                             |       |            |          | Sample Date   | 9/27/2018 | 9/27/2018 | 9/24/2018  | 9/24/2018  | 9/25/2018  | 9/25/2018  | 9/25/2018 | 9/25/2018 | 9/25/2018 | 9/25/2018 | 9/26/2018  |
|                             |       |            |          | Parent Sample |           |           |            |            |            |            |           |           |           |           |            |
| Analyte                     | Units | CAS No.    | NYS AWQS |               |           |           |            |            |            |            |           |           |           |           |            |
| NYSDEC PAH17                | ug/L  |            |          |               |           |           |            |            |            |            |           |           |           |           |            |
| Acenaphthene                |       | 83-32-9    | 20*      | 6.6 J         | 10 U      | 120       | 10 U       | 10 U       | 10 U       | 180 J      | 25 J      | 10 U      | 500 U     | 10 U      |            |
| Acenaphthylene              |       | 208-96-8   | NE       | 3.5 J         | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 200 U      | 18 J      | 10 U      | 500 U     | 10 U      |            |
| Anthracene                  |       | 120-12-7   | 50*      | 6 J           | 10 U      | 10 J      | 10 U       | 10 U       | 10 U       | 200 U      | 100 U     | 10 U      | 500 U     | 10 U      |            |
| Benzo(a)anthracene          |       | 56-55-3    | 0.002*   | 1 U           | 1 U       | 5 U       | 1 U        | 1 U        | 1 U        | 20 U       | 10 U      | 1 U       | 50 U      | 1 U       |            |
| Benzo(b)fluoranthene        |       | 205-99-2   | 0.002*   | 2 U           | 2 U       | 10 U      | 2 U        | 2 UJ       | 2 UJ       | 40 U       | 20 UJ     | 2 UJ      | 100 UJ    | 2 U       |            |
| Benzo(k)fluoranthene        |       | 207-08-9   | 0.002*   | 1 U           | 1 U       | 5 U       | 1 U        | 1 U        | 1 U        | 20 U       | 10 U      | 1 U       | 50 U      | 1 U       |            |
| Benzo(g,h,i)perylene        |       | 191-24-2   | NE       | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 200 U      | 100 U     | 10 U      | 500 U     | 10 U      |            |
| Benzo(a)pyrene              |       | 50-32-8    | ND       | 1 U           | 1 U       | 5 U       | 1 U        | 1 U        | 1 U        | 20 U       | 10 U      | 1 U       | 50 U      | 1 U       |            |
| Chrysene                    |       | 218-01-9   | 0.002*   | 2 U           | 2 U       | 10 U      | 2 U        | 2 U        | 2 U        | 40 U       | 20 U      | 2 U       | 100 U     | 2 U       |            |
| Dibenz(a,h)anthracene       |       | 53-70-3    | NE       | 1 U           | 1 U       | 5 U       | 1 U        | 1 U        | 1 U        | 20 U       | 10 U      | 1 U       | 50 U      | 1 U       |            |
| Fluoranthene                |       | 206-44-0   | 50*      | 6.2 J         | 10 U      | 5.3 J     | 0.95 J     | 10 U       | 10 U       | 200 U      | 100 U     | 10 U      | 500 U     | 10 U      |            |
| Fluorene                    |       | 86-73-7    | 50*      | 5.6 J         | 10 U      | 54        | 10 U       | 10 U       | 10 U       | 57 J       | 100 U     | 10 U      | 500 U     | 10 U      |            |
| Indeno(1,2,3-cd)pyrene      |       | 193-39-5   | 0.002*   | 2 U           | 2 U       | 10 U      | 2 UJ       | 2 U        | 2 U        | 40 U       | 20 U      | 2 U       | 100 U     | 2 U       |            |
| 2-Methylnaphthalene         |       | 91-57-6    | NE       | 10 U          | 10 U      | 43 J      | 10 U       | 10 U       | 10 U       | 160 J      | 100 U     | 10 U      | 220 J     | 10 U      |            |
| Naphthalene                 |       | 91-20-3    | 10*      | 10 U          | 10 U      | 450       | 10 U       | 10 U       | 10 U       | 1900       | 1000      | 10 U      | 5900      | 10 U      |            |
| Phenanthrene                |       | 85-01-8    | 50*      | 25            | 10 U      | 70        | 10 U       | 10 U       | 10 U       | 58 J       | 8.9 J     | 10 U      | 500 U     | 10 U      |            |
| Pyrene                      |       | 129-00-0   | 50*      | 7.4 J         | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 200 U      | 100 U     | 10 U      | 500 U     | 10 U      |            |
| Total PAH (17) (ND=0)       |       | TPAH17_ND0 | NE       | 60.3          | ND        | 752.3     | 0.95       | ND         | ND         | 2355       | 1051.9    | ND        | 6120      | ND        |            |
| NYSDEC PAH17 Other SVOCs    | ug/L  |            |          |               |           |           |            |            |            |            |           |           |           |           |            |
| Bis(2-chloroethoxy)methane  |       | 111-91-1   | 5        | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 200 U      | 100 U     | 10 U      | 500 U     | 10 U      |            |
| Bis(2-chloroethyl)ether     |       | 111-44-4   | 1        | 1 U           | 1 U       | 5 U       | 1 U        | 1 U        | 1 U        | 20 U       | 10 U      | 1 U       | 50 U      | 1 U       |            |
| 2,2-oxybis(1-Chloropropane) |       | 108-60-1   | 5        | 10 UJ         | 10 UJ     | 50 U      | 10 U       | 10 U       | 10 U       | 200 U      | 100 U     | 10 U      | 500 U     | 10 U      |            |
| Bis(2-ethylhexyl)phthalate  |       | 117-81-7   | 5        | 2 U           | 2 U       | 10 UJ     | 2 U        | 2 U        | 2 U        | 40 U       | 20 U      | 2 U       | 100 U     | 2 U       |            |
| 4-Bromophenyl phenyl ether  |       | 101-55-3   | NE       | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 200 U      | 100 U     | 10 U      | 500 U     | 10 U      |            |
| Butyl benzyl phthalate      |       | 85-68-7    | 50*      | 10 U          | 10 U      | 50 UJ     | 10 U       | 10 UJ      | 10 UJ      | 200 U      | 100 UJ    | 10 UJ     | 500 UJ    | 10 U      |            |
| Carbazole                   |       | 86-74-8    | NE       | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 23 J       | 100 U     | 10 U      | 500 U     | 10 U      |            |
| 4-Chloro-3-methylphenol     |       | 59-50-7    | NE       | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 200 U      | 100 U     | 10 U      | 500 U     | 10 U      |            |
| 4-Chloroaniline             |       | 106-47-8   | 5        | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 200 U      | 100 U     | 10 U      | 500 U     | 10 U      |            |
| 2-Chloronaphthalene         |       | 91-58-7    | 10*      | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 200 U      | 100 U     | 10 U      | 500 U     | 10 U      |            |
| 2-Chlorophenol              |       | 95-57-8    | NE       | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 200 U      | 100 U     | 10 U      | 500 U     | 10 U      |            |
| 4-Chlorophenyl phenyl ether |       | 7005-72-3  | NE       | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 200 U      | 100 U     | 10 U      | 500 U     | 10 U      |            |
| Dibenzofuran                |       | 132-64-9   | NE       | 2.2 J         | 10 U      | 11 J      | 10 U       | 10 U       | 10 U       | 200 U      | 100 U     | 10 U      | 500 U     | 10 U      |            |
| 1,2-Dichlorobenzene (o-DCB) |       | 95-50-1    | 3        | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 200 U      | 100 U     | 10 U      | 500 U     | 10 U      |            |
| 1,3-Dichlorobenzene (m-DCB) |       | 541-73-1   | 3        | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 200 U      | 100 U     | 10 U      | 500 U     | 10 U      |            |
| 1,4-Dichlorobenzene (p-DCB) |       | 106-46-7   | 3        | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 200 U      | 100 U     | 10 U      | 500 U     | 10 U      |            |
| 3,3-Dichlorobenzidine       |       | 91-94-1    | 5        | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 200 U      | 100 U     | 10 U      | 500 U     | 10 U      |            |
| 2,4-Dichlorophenol          |       | 120-83-2   | 5        | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 200 U      | 100 U     | 10 U      | 500 U     | 10 U      |            |

Table 2. Groundwater Analysis Results  
Groundwater Monitoring Report - Q3 2018  
Glen Cove Former MGP Site  
Glen Cove, New York

|                                  |       |            |          | Location Name | GCMW-08S  | GCMW-08D  | GCMW-09SR  | GCMW-09IR  | GCMW-10SR  | GCMW-10IR  | GCMW-11S  | GCMW-11I  | GCMW-12S  | GCMW-13I  | GCMW-14SR  |
|----------------------------------|-------|------------|----------|---------------|-----------|-----------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|
|                                  |       |            |          | Sample Name   | GCMW-08S  | GCMW-08D  | GCMW-09S-R | GCMW-09I-R | GCMW-10S-R | GCMW-10I-R | GCMW-11S  | GCMW-11I  | GCMW-12S  | GCMW-13I  | GCMW-14S-R |
|                                  |       |            |          | Start Depth   | 26        | 60        | 8          | 24         | 15         | 20         | 8         | 23        | 14        | 25        | 10         |
|                                  |       |            |          | End Depth     | 36        | 70        | 18         | 34         | 20         | 30         | 20        | 28        | 24        | 30        | 20         |
|                                  |       |            |          | Depth Unit    | ft        | ft        | ft         | ft         | ft         | ft         | ft        | ft        | ft        | ft        | ft         |
|                                  |       |            |          | Sample Date   | 9/27/2018 | 9/27/2018 | 9/24/2018  | 9/24/2018  | 9/25/2018  | 9/25/2018  | 9/25/2018 | 9/25/2018 | 9/25/2018 | 9/25/2018 | 9/26/2018  |
|                                  |       |            |          | Parent Sample |           |           |            |            |            |            |           |           |           |           |            |
| Analyte                          | Units | CAS No.    | NYS AWQS |               |           |           |            |            |            |            |           |           |           |           |            |
| Diethyl phthalate                |       | 84-66-2    | 50*      | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 10 U       | 200 U     | 100 U     | 10 U      | 500 U     | 10 U       |
| Dimethyl phthalate               |       | 131-11-3   | 50*      | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 10 U       | 200 U     | 100 U     | 10 U      | 500 U     | 10 U       |
| 2,4-Dimethylphenol               |       | 105-67-9   | 50*      | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 10 U       | 200 U     | 100 U     | 10 U      | 500 U     | 10 U       |
| Di-n-butyl phthalate             |       | 84-74-2    | 50       | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 10 U       | 200 U     | 100 U     | 10 U      | 500 U     | 10 U       |
| 4,6-Dinitro-2-methylphenol       |       | 534-52-1   | NE       | 20 U          | 20 U      | 100 UJ    | 20 U       | 20 UJ      | 20 UJ      | 20 UJ      | 400 U     | 200 UJ    | 20 UJ     | 1000 UJ   | 20 U       |
| 2,4-Dinitrophenol                |       | 51-28-5    | 10*      | 20 U          | 20 U      | 100 UJ    | 20 U       | 20 UJ      | 20 UJ      | 20 UJ      | 400 U     | 200 UJ    | 20 UJ     | 1000 UJ   | 20 U       |
| 2,4-Dinitrotoluene               |       | 121-14-2   | 5        | 2 U           | 2 U       | 10 U      | 2 U        | 2 U        | 2 U        | 2 U        | 40 U      | 20 U      | 2 U       | 100 U     | 2 U        |
| 2,6-Dinitrotoluene               |       | 606-20-2   | 5        | 2 U           | 2 U       | 10 U      | 2 U        | 2 U        | 2 U        | 2 U        | 40 U      | 20 U      | 2 U       | 100 U     | 2 U        |
| Di-n-octyl phthalate             |       | 117-84-0   | 50*      | 10 U          | 10 U      | 50 U      | 10 UJ      | 10 UJ      | 10 UJ      | 10 UJ      | 200 U     | 100 UJ    | 10 UJ     | 500 UJ    | 10 U       |
| Hexachlorobenzene                |       | 118-74-1   | 0.04     | 1 U           | 1 U       | 5 U       | 1 U        | 1 U        | 1 U        | 1 U        | 20 U      | 10 U      | 1 U       | 50 U      | 1 U        |
| 1,3-Hexachlorobutadiene (C-46)   |       | 87-68-3    | 0.5      | 1 U           | 1 U       | 5 U       | 1 U        | 1 U        | 1 U        | 1 U        | 20 U      | 10 U      | 1 U       | 50 U      | 1 U        |
| Hexachlorocyclopentadiene        |       | 77-47-4    | 5        | 10 U          | 10 U      | 50 U      | 10 U       | 10 UJ      | 10 UJ      | 10 UJ      | 200 U     | 100 UJ    | 10 UJ     | 500 UJ    | 10 U       |
| Hexachloroethane                 |       | 67-72-1    | 5        | 2 U           | 2 U       | 10 U      | 2 U        | 2 U        | 2 U        | 2 U        | 40 U      | 20 U      | 2 U       | 100 U     | 2 U        |
| Isophorone                       |       | 78-59-1    | 50*      | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 10 U       | 200 U     | 100 U     | 10 U      | 500 U     | 10 U       |
| 2-Methylnaphthalene              |       | 91-57-6    | NE       | 10 U          | 10 U      | 43 J      | 10 U       | 10 U       | 10 U       | 10 U       | 160 J     | 100 U     | 10 U      | 220 J     | 10 U       |
| 2-Methylphenol (o-Cresol)        |       | 95-48-7    | 1        | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 10 U       | 200 U     | 100 U     | 10 U      | 500 U     | 10 U       |
| 4-Methylphenol (p-Cresol)        |       | 106-44-5   | 1        | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 10 U       | 200 U     | 100 U     | 10 U      | 500 U     | 10 U       |
| 2-Nitroaniline                   |       | 88-74-4    | 5        | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 10 U       | 200 U     | 100 U     | 10 U      | 500 U     | 10 U       |
| 3-Nitroaniline                   |       | 99-09-2    | 5        | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 10 U       | 200 U     | 100 U     | 10 U      | 500 U     | 10 U       |
| 4-Nitroaniline                   |       | 100-01-6   | 5        | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 10 U       | 200 U     | 100 U     | 10 U      | 500 U     | 10 U       |
| Nitrobenzene                     |       | 98-95-3    | 0.4      | 1 U           | 1 U       | 5 U       | 1 U        | 1 U        | 1 U        | 1 U        | 20 U      | 10 U      | 1 U       | 50 U      | 1 U        |
| 2-Nitrophenol                    |       | 88-75-5    | NE       | 10 U          | 10 U      | 50 UJ     | 10 U       | 10 UJ      | 10 UJ      | 10 UJ      | 200 U     | 100 UJ    | 10 UJ     | 500 UJ    | 10 U       |
| 4-Nitrophenol                    |       | 100-02-7   | NE       | 20 U          | 20 U      | 100 U     | 20 U       | 20 U       | 20 U       | 20 U       | 400 U     | 200 U     | 20 U      | 1000 U    | 20 U       |
| N-Nitrosodiphenylamine (NDFA)    |       | 86-30-6    | 50*      | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 10 U       | 200 U     | 100 U     | 10 U      | 500 U     | 10 U       |
| N-Nitrosodi-n-propylamine (NDPA) |       | 621-64-7   | NE       | 1 U           | 1 U       | 5 U       | 1 U        | 1 U        | 1 U        | 1 U        | 20 U      | 10 U      | 1 U       | 50 U      | 1 U        |
| Pentachlorophenol                |       | 87-86-5    | 1        | 20 U          | 20 U      | 100 U     | 20 U       | 20 U       | 20 U       | 20 U       | 400 U     | 200 U     | 20 U      | 1000 U    | 20 U       |
| Phenol                           |       | 108-95-2   | 1        | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 10 U       | 200 U     | 100 U     | 10 U      | 500 U     | 10 U       |
| 1,2,4-Trichlorobenzene           |       | 120-82-1   | 5        | 2 U           | 2 U       | 10 U      | 2 U        | 2 U        | 2 U        | 2 U        | 40 U      | 20 U      | 2 U       | 100 U     | 2 U        |
| 2,4,5-Trichlorophenol            |       | 95-95-4    | NE       | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 10 U       | 200 U     | 100 U     | 10 U      | 500 U     | 10 U       |
| 2,4,6-Trichlorophenol            |       | 88-06-2    | NE       | 10 U          | 10 U      | 50 U      | 10 U       | 10 U       | 10 U       | 10 U       | 200 U     | 100 U     | 10 U      | 500 U     | 10 U       |
| Total SVOCs (ND=0)               |       | TSVOC_ND0  | NE       | 62.5          | ND        | 763.3     | 0.95       | ND         | ND         | ND         | 2378      | 1051.9    | ND        | 6120      | ND         |
| PCB Aroclors                     | ug/L  |            |          |               |           |           |            |            |            |            |           |           |           |           |            |
| Aroclor 1016                     |       | 12674-11-2 | NE       | NA            | NA        | 0.4 U     | 0.4 U      | 0.4 U      | 0.4 U      | 0.4 U      | NA        | NA        | NA        | NA        | NA         |
| Aroclor 1221                     |       | 11104-28-2 | NE       | NA            | NA        | 0.4 U     | 0.4 U      | 0.4 U      | 0.4 U      | 0.4 U      | NA        | NA        | NA        | NA        | NA         |
| Aroclor 1232                     |       | 11141-16-5 | NE       | NA            | NA        | 0.4 U     | 0.4 U      | 0.4 U      | 0.4 U      | 0.4 U      | NA        | NA        | NA        | NA        | NA         |
| Aroclor 1242                     |       | 53469-21-9 | NE       | NA            | NA        | 0.4 U     | 0.4 U      | 0.4 U      | 0.4 U      | 0.4 U      | NA        | NA        | NA        | NA        | NA         |
| Aroclor 1248                     |       | 12672-29-6 | NE       | NA            | NA        | 0.4 U     | 0.4 U      | 0.4 U      | 0.4 U      | 0.4 U      | NA        | NA        | NA        | NA        | NA         |
| Aroclor 1254                     |       | 11097-69-1 | NE       | NA            | NA        | 0.4 U     | 0.4 U      | 0.4 U      | 0.4 U      | 0.4 U      | NA        | NA        | NA        | NA        | NA         |

Table 2. Groundwater Analysis Results  
Groundwater Monitoring Report - Q3 2018  
Glen Cove Former MGP Site  
Glen Cove, New York

|                             |       |            |          | Location Name | GCMW-08S  | GCMW-08D  | GCMW-09SR  | GCMW-09IR  | GCMW-10SR  | GCMW-10IR  | GCMW-11S  | GCMW-11I  | GCMW-12S  | GCMW-13I  | GCMW-14SR  |
|-----------------------------|-------|------------|----------|---------------|-----------|-----------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|
|                             |       |            |          | Sample Name   | GCMW-08S  | GCMW-08D  | GCMW-09S-R | GCMW-09I-R | GCMW-10S-R | GCMW-10I-R | GCMW-11S  | GCMW-11I  | GCMW-12S  | GCMW-13I  | GCMW-14S-R |
|                             |       |            |          | Start Depth   | 26        | 60        | 8          | 24         | 15         | 20         | 8         | 23        | 14        | 25        | 10         |
|                             |       |            |          | End Depth     | 36        | 70        | 18         | 34         | 20         | 30         | 20        | 28        | 24        | 30        | 20         |
|                             |       |            |          | Depth Unit    | ft        | ft        | ft         | ft         | ft         | ft         | ft        | ft        | ft        | ft        | ft         |
|                             |       |            |          | Sample Date   | 9/27/2018 | 9/27/2018 | 9/24/2018  | 9/24/2018  | 9/25/2018  | 9/25/2018  | 9/25/2018 | 9/25/2018 | 9/25/2018 | 9/25/2018 | 9/26/2018  |
|                             |       |            |          | Parent Sample |           |           |            |            |            |            |           |           |           |           |            |
| Analyte                     | Units | CAS No.    | NYS AWQS |               |           |           |            |            |            |            |           |           |           |           |            |
| Aroclor 1260                |       | 11096-82-5 | NE       |               |           |           | 0.4 U      | 0.4 U      | 0.4 U      | 0.4 U      | NA        | NA        | NA        | NA        | NA         |
| Aroclor 1262                |       | 37324-23-5 | NE       |               | NA        | NA        | 0.4 U      | 0.4 U      | 0.4 U      | 0.4 U      | NA        | NA        | NA        | NA        | NA         |
| Aroclor 1268                |       | 11100-14-4 | NE       |               | NA        | NA        | 0.4 U      | 0.4 U      | 0.4 U      | 0.4 U      | NA        | NA        | NA        | NA        | NA         |
| Total PCBs (Lab calculated) |       | 1336-36-3  | 0.09     |               | NA        | NA        | 0.4 U      | 0.4 U      | 0.4 U      | 0.4 U      | NA        | NA        | NA        | NA        | NA         |
| Total Metals                | ug/L  |            |          |               |           |           |            |            |            |            |           |           |           |           |            |
| Aluminum                    |       | 7429-90-5  | NE       |               | NA        | NA        | 129 J      | 471        | 361        | 434        | NA        | NA        | NA        | NA        | NA         |
| Antimony                    |       | 7440-36-0  | 3        |               | NA        | NA        | 20 U       | 20 U       | 20 U       | 20 U       | NA        | NA        | NA        | NA        | NA         |
| Arsenic                     |       | 7440-38-2  | 25       |               | NA        | NA        | 8.9 J      | 15 U       | 15 U       | 15 U       | NA        | NA        | NA        | NA        | NA         |
| Barium                      |       | 7440-39-3  | 1000     |               | NA        | NA        | 131 J      | 105 J      | 66.2 J     | 45.4 J     | NA        | NA        | NA        | NA        | NA         |
| Beryllium                   |       | 7440-41-7  | 3*       |               | NA        | NA        | 2 U        | 2 U        | 2 U        | 2 U        | NA        | NA        | NA        | NA        | NA         |
| Cadmium                     |       | 7440-43-9  | 5        |               | NA        | NA        | 4 U        | 4 U        | 4 U        | 4 U        | NA        | NA        | NA        | NA        | NA         |
| Calcium                     |       | 7440-70-2  | NE       |               | NA        | NA        | 72500      | 51100      | 78500      | 30700      | NA        | NA        | NA        | NA        | NA         |
| Chromium                    |       | 7440-47-3  | 50       |               | NA        | NA        | 2 J        | 2.6 J      | 3.5 J      | 1.8 J      | NA        | NA        | NA        | NA        | NA         |
| Cobalt                      |       | 7440-48-4  | NE       |               | NA        | NA        | 50 U       | 3.4 J      | 50 U       | 50 U       | NA        | NA        | NA        | NA        | NA         |
| Copper                      |       | 7440-50-8  | 200      |               | NA        | NA        | 25 U       | 25 U       | 25 U       | 25 U       | NA        | NA        | NA        | NA        | NA         |
| Iron                        |       | 7439-89-6  | 300      |               | NA        | NA        | 18400      | 895        | 376        | 798        | NA        | NA        | NA        | NA        | NA         |
| Lead                        |       | 7439-92-1  | 25       |               | NA        | NA        | 3.7 J      | 4.7 J      | 3.6 J      | 10 U       | NA        | NA        | NA        | NA        | NA         |
| Magnesium                   |       | 7439-95-4  | 35000*   |               | NA        | NA        | 10600      | 26400      | 15500      | 12700      | NA        | NA        | NA        | NA        | NA         |
| Manganese                   |       | 7439-96-5  | 300      |               | NA        | NA        | 5250       | 361        | 20.7       | 24.7       | NA        | NA        | NA        | NA        | NA         |
| Mercury                     |       | 7439-97-6  | 0.7      |               | NA        | NA        | 0.2 U      | 0.2 U      | 0.2 U      | 0.2 U      | NA        | NA        | NA        | NA        | NA         |
| Nickel                      |       | 7440-02-0  | 100      |               | NA        | NA        | 40 U       | 2.6 J      | 40 U       | 1.7 J      | NA        | NA        | NA        | NA        | NA         |
| Potassium                   |       | 7440-09-7  | NE       |               | NA        | NA        | 4580 J     | 4980 J     | 5700       | 2250 J     | NA        | NA        | NA        | NA        | NA         |
| Selenium                    |       | 7782-49-2  | 10       |               | NA        | NA        | 20 U       | 20 U       | 20 U       | 20 U       | NA        | NA        | NA        | NA        | NA         |
| Silver                      |       | 7440-22-4  | 50       |               | NA        | NA        | 10 U       | 10 U       | 10 U       | 10 U       | NA        | NA        | NA        | NA        | NA         |
| Sodium                      |       | 7440-23-5  | 20000    |               | NA        | NA        | 10000      | 35400      | 92400      | 25400      | NA        | NA        | NA        | NA        | NA         |
| Thallium                    |       | 7440-28-0  | 0.5*     |               | NA        | NA        | 20 U       | 20 U       | 20 U       | 20 U       | NA        | NA        | NA        | NA        | NA         |
| Vanadium                    |       | 7440-62-2  | NE       |               | NA        | NA        | 50 U       | 50 U       | 50 U       | 50 U       | NA        | NA        | NA        | NA        | NA         |
| Zinc                        |       | 7440-66-6  | 2000*    |               | NA        | NA        | 30 U       | 30 U       | 30 U       | 113        | NA        | NA        | NA        | NA        | NA         |
| Cyanides                    | ug/L  |            |          |               |           |           |            |            |            |            |           |           |           |           |            |
| Total Cyanide               |       | 57-12-5    | 200      |               | NA        | NA        | 120 J      | 10 UJ      | 10 U       | 10 U       | NA        | NA        | NA        | NA        | NA         |

Table 2. Groundwater Analysis Results  
Groundwater Monitoring Report - Q3 2018  
Glen Cove Former MGP Site  
Glen Cove, New York

| Location Name<br>Sample Name<br>Start Depth<br>End Depth<br>Depth Unit<br>Sample Date<br>Parent Sample |       |            |          | GCMW-14IR<br>GCMW-14I-R | GCMW-15<br>GCMW-15 | GCMW-16<br>GCMW-16 | GCMW-20S<br>GCMW-20S | GCMW-20I<br>GCMW-20I | GCMW-20I2<br>GCMW-20I2 | GCMW-20I2<br>DUP-02 | GCMW-21I<br>GCMW-21I | GCMW-21I2<br>GCMW-21I2 | GCMW-22I<br>GCMW-22I | GCMW-22I2<br>GCMW-22I2 |
|--------------------------------------------------------------------------------------------------------|-------|------------|----------|-------------------------|--------------------|--------------------|----------------------|----------------------|------------------------|---------------------|----------------------|------------------------|----------------------|------------------------|
| Analyte                                                                                                | Units | CAS No.    | NYS AWQS |                         |                    |                    |                      |                      |                        |                     |                      |                        |                      |                        |
| BTEX                                                                                                   | ug/L  |            |          |                         |                    |                    |                      |                      |                        |                     |                      |                        |                      |                        |
| Benzene                                                                                                |       | 71-43-2    | 1        | 1 U                     | 0.43 J             | 1 U                | 0.47 J               | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 0.48 J                 | 1 U                  | 1 U                    |
| Toluene                                                                                                |       | 108-88-3   | 5        | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 11                   | 9.8                    | 1 U                  | 1 U                    |
| Ethylbenzene                                                                                           |       | 100-41-4   | 5        | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 0.41 J               | 1 U                    | 1 U                  | 1 U                    |
| Total Xylene                                                                                           |       | 1330-20-7  | 5        | 2 U                     | 2 U                | 2 U                | 2 U                  | 2 U                  | 2 U                    | 2 U                 | 2 U                  | 2 U                    | 2 U                  | 2 U                    |
| Total BTEX (ND=0)                                                                                      |       | TBTEX_ND0  | NE       | ND                      | 0.43               | ND                 | 0.47                 | ND                   | ND                     | ND                  | 11.41                | 10.28                  | ND                   | ND                     |
| Other VOCs                                                                                             | ug/L  |            |          |                         |                    |                    |                      |                      |                        |                     |                      |                        |                      |                        |
| Acetone                                                                                                |       | 67-64-1    | 50*      | 5 U                     | 5 U                | 5 U                | 5 U                  | 5 U                  | 5 U                    | 5 U                 | 5 UJ                 | 5 UJ                   | 5 U                  | 5 U                    |
| Bromodichloromethane                                                                                   |       | 75-27-4    | 50*      | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| Bromoform                                                                                              |       | 75-25-2    | 50*      | 1 U                     | 1 U                | 1 U                | 1 UJ                 | 1 UJ                 | 1 UJ                   | 1 UJ                | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| Bromomethane                                                                                           |       | 74-83-9    | 5        | 1 UJ                    | 1 UJ               | 1 UJ               | 1 UJ                 | 1 UJ                 | 1 UJ                   | 1 UJ                | 1 U                  | 1 U                    | 1 UJ                 | 1 UJ                   |
| Carbon disulfide                                                                                       |       | 75-15-0    | 60*      | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| Carbon tetrachloride                                                                                   |       | 56-23-5    | 5        | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| Chlorobenzene                                                                                          |       | 108-90-7   | 5        | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| Chloroethane                                                                                           |       | 75-00-3    | 5        | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| Chloroform (Trichloromethane)                                                                          |       | 67-66-3    | 7        | 1 U                     | 1 U                | 0.53 J             | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| Chloromethane                                                                                          |       | 74-87-3    | 5        | 1 U                     | 1 U                | 1 U                | 1 UJ                 | 1 UJ                 | 1 UJ                   | 1 UJ                | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| Dibromochloromethane                                                                                   |       | 124-48-1   | 50*      | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| 1,1-Dichloroethane                                                                                     |       | 75-34-3    | 5        | 1 U                     | 1.4                | 1 U                | 0.28 J               | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| 1,2-Dichloroethane                                                                                     |       | 107-06-2   | 0.6      | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| 1,1-Dichloroethene                                                                                     |       | 75-35-4    | 5        | 1 U                     | 1 U                | 0.26 J             | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| Total 1,2-Dichloroethene                                                                               |       | 540-59-0   | NE       | 2 U                     | 1.4 J              | 1.1 J              | 2 U                  | 2 U                  | 2 U                    | 2 U                 | 2 U                  | 2 U                    | 2 U                  | 2 U                    |
| 1,2-Dichloropropane                                                                                    |       | 78-87-5    | 1        | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| cis-1,3-Dichloropropene                                                                                |       | 10061-01-5 | 0.4      | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| trans-1,3-Dichloropropene                                                                              |       | 10061-02-6 | 0.4      | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| 2-Hexanone                                                                                             |       | 591-78-6   | 50*      | 5 U                     | 5 U                | 5 U                | 5 U                  | 5 U                  | 5 U                    | 5 U                 | 5 U                  | 5 U                    | 5 U                  | 5 U                    |
| Methyl ethyl ketone (2-Butanone)                                                                       |       | 78-93-3    | 50*      | 5 U                     | 5 U                | 5 U                | 5 U                  | 5 U                  | 5 U                    | 5 U                 | 5 U                  | 5 U                    | 5 U                  | 5 U                    |
| Methyl tert-butyl ether (MTBE)                                                                         |       | 1634-04-4  | 10*      | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 0.74 J                 | 1 U                  | 1 U                    |
| 4-Methyl-2-pentanone (MIBK)                                                                            |       | 108-10-1   | NE       | 5 U                     | 5 U                | 5 U                | 5 U                  | 5 U                  | 5 U                    | 5 U                 | 5 U                  | 5 U                    | 5 U                  | 5 U                    |
| Methylene chloride                                                                                     |       | 75-09-2    | 5        | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| Styrene                                                                                                |       | 100-42-5   | 5        | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| 1,1,2,2-Tetrachloroethane                                                                              |       | 79-34-5    | 5        | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| Tetrachloroethene (PCE)                                                                                |       | 127-18-4   | 5        | 0.29 J                  | 0.45 J             | 2.1                | 1 U                  | 5.5                  | 1.5                    | 1.6                 | 1 U                  | 1 U                    | 1.1                  | 3.3                    |
| 1,1,1-Trichloroethane (TCA)                                                                            |       | 71-55-6    | 5        | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| 1,1,2-Trichloroethane                                                                                  |       | 79-00-5    | 1        | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| Trichloroethene (TCE)                                                                                  |       | 79-01-6    | 5        | 1 U                     | 0.33 J             | 0.86 J             | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| Vinyl chloride                                                                                         |       | 75-01-4    | 2        | 1 U                     | 3.4                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| Total VOCs (ND=0)                                                                                      |       | TVOC_ND0   | NE       | 0.29                    | 7.41               | 4.85               | 0.75                 | 5.5                  | 1.5                    | 1.6                 | 11.41                | 11.02                  | 1.1                  | 3.3                    |

Table 2. Groundwater Analysis Results  
Groundwater Monitoring Report - Q3 2018  
Glen Cove Former MGP Site  
Glen Cove, New York

| Location Name<br>Sample Name<br>Start Depth<br>End Depth<br>Depth Unit<br>Sample Date<br>Parent Sample |       |            |          | GCMW-14IR<br>GCMW-14I-R | GCMW-15<br>GCMW-15 | GCMW-16<br>GCMW-16 | GCMW-20S<br>GCMW-20S | GCMW-20I<br>GCMW-20I | GCMW-20I2<br>GCMW-20I2 | GCMW-20I2<br>DUP-02 | GCMW-21I<br>GCMW-21I | GCMW-21I2<br>GCMW-21I2 | GCMW-22I<br>GCMW-22I | GCMW-22I2<br>GCMW-22I2 |
|--------------------------------------------------------------------------------------------------------|-------|------------|----------|-------------------------|--------------------|--------------------|----------------------|----------------------|------------------------|---------------------|----------------------|------------------------|----------------------|------------------------|
| Analyte                                                                                                | Units | CAS No.    | NYS AWQS |                         |                    |                    |                      |                      |                        |                     |                      |                        |                      |                        |
| NYSDEC PAH17                                                                                           | ug/L  |            |          |                         |                    |                    |                      |                      |                        |                     |                      |                        |                      |                        |
| Acenaphthene                                                                                           |       | 83-32-9    | 20*      | 10 U                    | 2.5 J              | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 41                   | 10 U                   | 10 U                 | 10 U                   |
| Acenaphthylene                                                                                         |       | 208-96-8   | NE       | 10 U                    | 10 U               | 10 U               | 1.2 J                | 10 U                 | 10 U                   | 10 U                | 2.5 J                | 10 U                   | 10 U                 | 10 U                   |
| Anthracene                                                                                             |       | 120-12-7   | 50*      | 10 U                    | 10 U               | 10 U               | 0.98 J               | 10 U                 | 10 U                   | 10 U                | 4.4 J                | 10 U                   | 10 U                 | 10 U                   |
| Benzo(a)anthracene                                                                                     |       | 56-55-3    | 0.002*   | 1 U                     | 1 U                | 1 U                | 2.4                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| Benzo(b)fluoranthene                                                                                   |       | 205-99-2   | 0.002*   | 2 U                     | 2 U                | 2 U                | 4.1                  | 2 U                  | 2 U                    | 2 U                 | 2 U                  | 2 U                    | 2 U                  | 2 U                    |
| Benzo(k)fluoranthene                                                                                   |       | 207-08-9   | 0.002*   | 1 U                     | 1 U                | 1 U                | 1.6 J                | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| Benzo(g,h,i)perylene                                                                                   |       | 191-24-2   | NE       | 10 U                    | 10 U               | 10 U               | 2.3 J                | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| Benzo(a)pyrene                                                                                         |       | 50-32-8    | ND       | 1 U                     | 1 U                | 1 U                | 3.6                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| Chrysene                                                                                               |       | 218-01-9   | 0.002*   | 2 U                     | 2 U                | 2 U                | 2.7                  | 2 U                  | 2 U                    | 2 U                 | 2 U                  | 2 U                    | 2 U                  | 2 U                    |
| Dibenz(a,h)anthracene                                                                                  |       | 53-70-3    | NE       | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| Fluoranthene                                                                                           |       | 206-44-0   | 50*      | 10 U                    | 10 U               | 10 U               | 2.8 J                | 10 U                 | 10 U                   | 10 U                | 3.7 J                | 10 U                   | 10 U                 | 10 U                   |
| Fluorene                                                                                               |       | 86-73-7    | 50*      | 10 U                    | 1.8 J              | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 18                   | 10 U                   | 10 U                 | 10 U                   |
| Indeno(1,2,3-cd)pyrene                                                                                 |       | 193-39-5   | 0.002*   | 2 U                     | 2 U                | 2 U                | 2 J                  | 2 UJ                 | 2 UJ                   | 2 UJ                | 2 U                  | 2 U                    | 2 U                  | 2 U                    |
| 2-Methylnaphthalene                                                                                    |       | 91-57-6    | NE       | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| Naphthalene                                                                                            |       | 91-20-3    | 10*      | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| Phenanthrene                                                                                           |       | 85-01-8    | 50*      | 10 U                    | 1.4 J              | 10 U               | 1.6 J                | 10 U                 | 10 U                   | 10 U                | 31                   | 10 U                   | 10 U                 | 10 U                   |
| Pyrene                                                                                                 |       | 129-00-0   | 50*      | 10 U                    | 10 U               | 10 U               | 4.3 J                | 10 U                 | 10 U                   | 10 U                | 4.7 J                | 10 U                   | 10 U                 | 10 U                   |
| Total PAH (17) (ND=0)                                                                                  |       | TPAH17_ND0 | NE       | ND                      | 5.7                | ND                 | 29.58                | ND                   | ND                     | ND                  | 105.3                | ND                     | ND                   | ND                     |
| NYSDEC PAH17 Other SVOCs                                                                               | ug/L  |            |          |                         |                    |                    |                      |                      |                        |                     |                      |                        |                      |                        |
| Bis(2-chloroethoxy)methane                                                                             |       | 111-91-1   | 5        | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| Bis(2-chloroethyl)ether                                                                                |       | 111-44-4   | 1        | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| 2,2-oxybis(1-Chloropropane)                                                                            |       | 108-60-1   | 5        | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 UJ                | 10 UJ                  | 10 U                 | 10 U                   |
| Bis(2-ethylhexyl)phthalate                                                                             |       | 117-81-7   | 5        | 2 U                     | 2 U                | 2 U                | 2 U                  | 2 U                  | 2 U                    | 2 U                 | 2 U                  | 2 U                    | 2 U                  | 2 U                    |
| 4-Bromophenyl phenyl ether                                                                             |       | 101-55-3   | NE       | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| Butyl benzyl phthalate                                                                                 |       | 85-68-7    | 50*      | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| Carbazole                                                                                              |       | 86-74-8    | NE       | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| 4-Chloro-3-methylphenol                                                                                |       | 59-50-7    | NE       | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| 4-Chloroaniline                                                                                        |       | 106-47-8   | 5        | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| 2-Chloronaphthalene                                                                                    |       | 91-58-7    | 10*      | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| 2-Chlorophenol                                                                                         |       | 95-57-8    | NE       | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| 4-Chlorophenyl phenyl ether                                                                            |       | 7005-72-3  | NE       | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| Dibenzofuran                                                                                           |       | 132-64-9   | NE       | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 2.2 J                | 10 U                   | 10 U                 | 10 U                   |
| 1,2-Dichlorobenzene (o-DCB)                                                                            |       | 95-50-1    | 3        | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| 1,3-Dichlorobenzene (m-DCB)                                                                            |       | 541-73-1   | 3        | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| 1,4-Dichlorobenzene (p-DCB)                                                                            |       | 106-46-7   | 3        | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| 3,3-Dichlorobenzidine                                                                                  |       | 91-94-1    | 5        | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| 2,4-Dichlorophenol                                                                                     |       | 120-83-2   | 5        | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |

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Groundwater Monitoring Report - Q3 2018  
Glen Cove Former MGP Site  
Glen Cove, New York

| Location Name<br>Sample Name<br>Start Depth<br>End Depth<br>Depth Unit<br>Sample Date<br>Parent Sample |       |            |          | GCMW-14IR<br>GCMW-14I-R | GCMW-15<br>GCMW-15 | GCMW-16<br>GCMW-16 | GCMW-20S<br>GCMW-20S | GCMW-20I<br>GCMW-20I | GCMW-20I2<br>GCMW-20I2 | GCMW-20I2<br>DUP-02 | GCMW-21I<br>GCMW-21I | GCMW-21I2<br>GCMW-21I2 | GCMW-22I<br>GCMW-22I | GCMW-22I2<br>GCMW-22I2 |
|--------------------------------------------------------------------------------------------------------|-------|------------|----------|-------------------------|--------------------|--------------------|----------------------|----------------------|------------------------|---------------------|----------------------|------------------------|----------------------|------------------------|
| Analyte                                                                                                | Units | CAS No.    | NYS AWQS |                         |                    |                    |                      |                      |                        |                     |                      |                        |                      |                        |
| Diethyl phthalate                                                                                      |       | 84-66-2    | 50*      | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| Dimethyl phthalate                                                                                     |       | 131-11-3   | 50*      | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| 2,4-Dimethylphenol                                                                                     |       | 105-67-9   | 50*      | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| Di-n-butyl phthalate                                                                                   |       | 84-74-2    | 50       | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| 4,6-Dinitro-2-methylphenol                                                                             |       | 534-52-1   | NE       | 20 U                    | 20 U               | 20 U               | 20 U                 | 20 U                 | 20 U                   | 20 U                | 20 U                 | 20 U                   | 20 U                 | 20 U                   |
| 2,4-Dinitrophenol                                                                                      |       | 51-28-5    | 10*      | 20 U                    | 20 U               | 20 U               | 20 U                 | 20 U                 | 20 U                   | 20 U                | 20 U                 | 20 U                   | 20 U                 | 20 U                   |
| 2,4-Dinitrotoluene                                                                                     |       | 121-14-2   | 5        | 2 U                     | 2 U                | 2 U                | 2 U                  | 2 U                  | 2 U                    | 2 U                 | 2 U                  | 2 U                    | 2 U                  | 2 U                    |
| 2,6-Dinitrotoluene                                                                                     |       | 606-20-2   | 5        | 2 U                     | 2 U                | 2 U                | 2 U                  | 2 U                  | 2 U                    | 2 U                 | 2 U                  | 2 U                    | 2 U                  | 2 U                    |
| Di-n-octyl phthalate                                                                                   |       | 117-84-0   | 50*      | 10 U                    | 10 U               | 10 U               | 10 UJ                | 10 UJ                | 10 UJ                  | 10 UJ               | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| Hexachlorobenzene                                                                                      |       | 118-74-1   | 0.04     | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| 1,3-Hexachlorobutadiene (C-46)                                                                         |       | 87-68-3    | 0.5      | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| Hexachlorocyclopentadiene                                                                              |       | 77-47-4    | 5        | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| Hexachloroethane                                                                                       |       | 67-72-1    | 5        | 2 U                     | 2 U                | 2 U                | 2 U                  | 2 U                  | 2 U                    | 2 U                 | 2 U                  | 2 U                    | 2 U                  | 2 U                    |
| Isophorone                                                                                             |       | 78-59-1    | 50*      | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| 2-Methylnaphthalene                                                                                    |       | 91-57-6    | NE       | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| 2-Methylphenol (o-Cresol)                                                                              |       | 95-48-7    | 1        | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| 4-Methylphenol (p-Cresol)                                                                              |       | 106-44-5   | 1        | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| 2-Nitroaniline                                                                                         |       | 88-74-4    | 5        | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| 3-Nitroaniline                                                                                         |       | 99-09-2    | 5        | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| 4-Nitroaniline                                                                                         |       | 100-01-6   | 5        | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| Nitrobenzene                                                                                           |       | 98-95-3    | 0.4      | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| 2-Nitrophenol                                                                                          |       | 88-75-5    | NE       | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| 4-Nitrophenol                                                                                          |       | 100-02-7   | NE       | 20 U                    | 20 U               | 20 U               | 20 U                 | 20 U                 | 20 U                   | 20 U                | 20 U                 | 20 U                   | 20 U                 | 20 U                   |
| N-Nitrosodiphenylamine (NDFA)                                                                          |       | 86-30-6    | 50*      | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| N-Nitrosodi-n-propylamine (NDPA)                                                                       |       | 621-64-7   | NE       | 1 U                     | 1 U                | 1 U                | 1 U                  | 1 U                  | 1 U                    | 1 U                 | 1 U                  | 1 U                    | 1 U                  | 1 U                    |
| Pentachlorophenol                                                                                      |       | 87-86-5    | 1        | 20 U                    | 20 U               | 20 U               | 20 U                 | 20 U                 | 20 U                   | 20 U                | 20 U                 | 20 U                   | 20 U                 | 20 U                   |
| Phenol                                                                                                 |       | 108-95-2   | 1        | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| 1,2,4-Trichlorobenzene                                                                                 |       | 120-82-1   | 5        | 2 U                     | 2 U                | 2 U                | 2 U                  | 2 U                  | 2 U                    | 2 U                 | 2 U                  | 2 U                    | 2 U                  | 2 U                    |
| 2,4,5-Trichlorophenol                                                                                  |       | 95-95-4    | NE       | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| 2,4,6-Trichlorophenol                                                                                  |       | 88-06-2    | NE       | 10 U                    | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 10 U                   | 10 U                 | 10 U                   |
| Total SVOCs (ND=0)                                                                                     |       | TSVOC_ND0  | NE       | ND                      | 5.7                | ND                 | 29.58                | ND                   | ND                     | ND                  | 107.5                | ND                     | ND                   | ND                     |
| PCB Aroclors                                                                                           | ug/L  |            |          |                         |                    |                    |                      |                      |                        |                     |                      |                        |                      |                        |
| Aroclor 1016                                                                                           |       | 12674-11-2 | NE       | NA                      | 0.4 U              | 0.4 U              | 0.4 U                | 0.4 U                | 0.4 U                  | 0.4 U               | 0.4 U                | 0.4 U                  | 0.4 U                | 0.4 U                  |
| Aroclor 1221                                                                                           |       | 11104-28-2 | NE       | NA                      | 0.4 U              | 0.4 U              | 0.4 U                | 0.4 U                | 0.4 U                  | 0.4 U               | 0.4 U                | 0.4 U                  | 0.4 U                | 0.4 U                  |
| Aroclor 1232                                                                                           |       | 11141-16-5 | NE       | NA                      | 0.4 U              | 0.4 U              | 0.4 U                | 0.4 U                | 0.4 U                  | 0.4 U               | 0.4 U                | 0.4 U                  | 0.4 U                | 0.4 U                  |
| Aroclor 1242                                                                                           |       | 53469-21-9 | NE       | NA                      | 0.4 U              | 0.4 U              | 0.4 U                | 0.4 U                | 0.4 U                  | 0.4 U               | 0.4 U                | 0.4 U                  | 0.4 U                | 0.4 U                  |
| Aroclor 1248                                                                                           |       | 12672-29-6 | NE       | NA                      | 0.4 U              | 0.4 U              | 0.4 U                | 0.4 U                | 0.4 U                  | 0.4 U               | 0.4 U                | 0.4 U                  | 0.4 U                | 0.4 U                  |
| Aroclor 1254                                                                                           |       | 11097-69-1 | NE       | NA                      | 0.4 U              | 0.4 U              | 0.4 U                | 0.4 U                | 0.4 U                  | 0.4 U               | 0.4 U                | 0.4 U                  | 0.4 U                | 0.4 U                  |

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Groundwater Monitoring Report - Q3 2018  
Glen Cove Former MGP Site  
Glen Cove, New York

| Location Name<br>Sample Name<br>Start Depth<br>End Depth<br>Depth Unit<br>Sample Date<br>Parent Sample |       |            |          | GCMW-14IR<br>GCMW-14I-R | GCMW-15<br>GCMW-15 | GCMW-16<br>GCMW-16 | GCMW-20S<br>GCMW-20S | GCMW-20I<br>GCMW-20I | GCMW-20I2<br>GCMW-20I2 | GCMW-20I2<br>DUP-02 | GCMW-21I<br>GCMW-21I | GCMW-21I2<br>GCMW-21I2 | GCMW-22I<br>GCMW-22I | GCMW-22I2<br>GCMW-22I2 |
|--------------------------------------------------------------------------------------------------------|-------|------------|----------|-------------------------|--------------------|--------------------|----------------------|----------------------|------------------------|---------------------|----------------------|------------------------|----------------------|------------------------|
| Analyte                                                                                                | Units | CAS No.    | NYS AWQS |                         |                    |                    |                      |                      |                        |                     |                      |                        |                      |                        |
| Aroclor 1260                                                                                           |       | 11096-82-5 | NE       | NA                      | 0.4 U              | 0.4 U              | 0.4 U                | 0.4 U                | 0.4 U                  | 0.4 U               | 0.4 U                | 0.4 U                  | 0.4 U                | 0.4 U                  |
| Aroclor 1262                                                                                           |       | 37324-23-5 | NE       | NA                      | 0.4 U              | 0.4 U              | 0.4 U                | 0.4 U                | 0.4 U                  | 0.4 U               | 0.4 U                | 0.4 U                  | 0.4 U                | 0.4 U                  |
| Aroclor 1268                                                                                           |       | 11100-14-4 | NE       | NA                      | 0.4 U              | 0.4 U              | 0.4 U                | 0.4 U                | 0.4 U                  | 0.4 U               | 0.4 U                | 0.4 U                  | 0.4 U                | 0.4 U                  |
| Total PCBs (Lab calculated)                                                                            |       | 1336-36-3  | 0.09     | NA                      | 0.4 U              | 0.4 U              | 0.4 U                | 0.4 U                | 0.4 U                  | 0.4 U               | 0.4 U                | 0.4 U                  | 0.4 U                | 0.4 U                  |
| Total Metals                                                                                           | ug/L  |            |          |                         |                    |                    |                      |                      |                        |                     |                      |                        |                      |                        |
| Aluminum                                                                                               |       | 7429-90-5  | NE       | NA                      | 122 J              | 138 J              | 68600                | 285                  | 1070 J                 | 87.2 J              | 47800                | 153000                 | 2680                 | 139 J                  |
| Antimony                                                                                               |       | 7440-36-0  | 3        | NA                      | 20 U               | 20 U               | 20.6                 | 20 U                 | 20 U                   | 20 U                | 20 U                 | 100 U                  | 20 U                 | 20 U                   |
| Arsenic                                                                                                |       | 7440-38-2  | 25       | NA                      | 3.3 J              | 15 U               | 31                   | 15 U                 | 15 U                   | 15 U                | 9.4 J                | 41.1 J                 | 15 U                 | 15 U                   |
| Barium                                                                                                 |       | 7440-39-3  | 1000     | NA                      | 279                | 87.8 J             | 913                  | 117 J                | 109 J                  | 101 J               | 297                  | 1530                   | 122 J                | 122 J                  |
| Beryllium                                                                                              |       | 7440-41-7  | 3*       | NA                      | 2 U                | 2 U                | 6                    | 2 U                  | 2 U                    | 2 U                 | 2.2                  | 6.8 J                  | 0.3 J                | 2 U                    |
| Cadmium                                                                                                |       | 7440-43-9  | 5        | NA                      | 4 U                | 4 U                | 0.82 J               | 4 U                  | 4 U                    | 4 U                 | 4 U                  | 20 U                   | 4 U                  | 4 U                    |
| Calcium                                                                                                |       | 7440-70-2  | NE       | NA                      | 103000             | 32400              | 164000               | 47100                | 42300                  | 42800               | 43000                | 76600                  | 73600                | 53800                  |
| Chromium                                                                                               |       | 7440-47-3  | 50       | NA                      | 1.4 J              | 1.9 J              | 169                  | 1.9 J                | 4.4 J                  | 2 J                 | 138                  | 569                    | 9.2 J                | 1.4 J                  |
| Cobalt                                                                                                 |       | 7440-48-4  | NE       | NA                      | 50 U               | 50 U               | 57.6                 | 50 U                 | 50 U                   | 50 U                | 33.2 J               | 144 J                  | 2.1 J                | 50 U                   |
| Copper                                                                                                 |       | 7440-50-8  | 200      | NA                      | 25 U               | 25 U               | 214                  | 25 U                 | 25 U                   | 25 U                | 85                   | 311                    | 25 U                 | 25 U                   |
| Iron                                                                                                   |       | 7439-89-6  | 300      | NA                      | 48300              | 149 J              | 129000               | 413                  | 1890 J                 | 62.6 J              | 93100                | 342000                 | 4030                 | 102 J                  |
| Lead                                                                                                   |       | 7439-92-1  | 25       | NA                      | 5.5 J              | 4.7 J              | 266                  | 3.6 J                | 5 J                    | 4.1 J               | 96.3                 | 245                    | 9.2 J                | 4.9 J                  |
| Magnesium                                                                                              |       | 7439-95-4  | 35000*   | NA                      | 17400              | 12800              | 53000                | 23400                | 17600                  | 17500               | 16700                | 71300                  | 29700                | 24500                  |
| Manganese                                                                                              |       | 7439-96-5  | 300      | NA                      | 2190               | 39.8               | 8930                 | 76.5                 | 37.1 J                 | 2.7 J               | 2890                 | 7840                   | 509                  | 39                     |
| Mercury                                                                                                |       | 7439-97-6  | 0.7      | NA                      | 0.2 U              | 0.2 U              | 1                    | 0.2 U                | 0.2 U                  | 0.2 U               | 0.22                 | 0.35                   | 0.2 U                | 0.2 U                  |
| Nickel                                                                                                 |       | 7440-02-0  | 100      | NA                      | 40 U               | 2.7 J              | 134                  | 3 J                  | 3.9 J                  | 2.8 J               | 64.9                 | 332                    | 6.7 J                | 2.3 J                  |
| Potassium                                                                                              |       | 7440-09-7  | NE       | NA                      | 14700              | 3100 J             | 19300                | 3950 J               | 3770 J                 | 3590 J              | 11000                | 41400                  | 6550                 | 4240 J                 |
| Selenium                                                                                               |       | 7782-49-2  | 10       | NA                      | 20 U               | 20 U               | 10.5 J               | 20 U                 | 20 U                   | 20 U                | 20 U                 | 100 U                  | 20 U                 | 20 U                   |
| Silver                                                                                                 |       | 7440-22-4  | 50       | NA                      | 10 U               | 10 U               | 10 U                 | 10 U                 | 10 U                   | 10 U                | 10 U                 | 50 U                   | 10 U                 | 10 U                   |
| Sodium                                                                                                 |       | 7440-23-5  | 20000    | NA                      | 533000             | 73100              | 32100                | 33800                | 42000                  | 43000               | 12800                | 40300                  | 55900                | 50700                  |
| Thallium                                                                                               |       | 7440-28-0  | 0.5*     | NA                      | 6.5 J              | 20 U               | 7.1 J                | 20 U                 | 20 U                   | 20 U                | 20 U                 | 100 U                  | 20 U                 | 20 U                   |
| Vanadium                                                                                               |       | 7440-62-2  | NE       | NA                      | 50 U               | 50 U               | 165                  | 50 U                 | 3.3 J                  | 50 U                | 129                  | 416                    | 6.4 J                | 50 U                   |
| Zinc                                                                                                   |       | 7440-66-6  | 2000*    | NA                      | 30 U               | 30 U               | 716                  | 30 U                 | 30 U                   | 30 U                | 130                  | 821                    | 49.3                 | 30 U                   |
| Cyanides                                                                                               | ug/L  |            |          |                         |                    |                    |                      |                      |                        |                     |                      |                        |                      |                        |
| Total Cyanide                                                                                          |       | 57-12-5    | 200      | NA                      | 5.2 J              | 10 U               | 55.4 J               | 10 UJ                | 10 UJ                  | 10 UJ               | 2 J                  | 10 U                   | 10 U                 | 10 U                   |

Table 2. Groundwater Analysis Results  
Groundwater Monitoring Report - Q3 2018  
Glen Cove Former MGP Site  
Glen Cove, New York

|                                  |       |            |          | Location Name | GCRW-01   | GCRW-02   | GCRW-02   | GCRW-03   | PZ-05     | PZ-06     |
|----------------------------------|-------|------------|----------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|
|                                  |       |            |          | Sample Name   | GCRW-01   | GCRW-02   | DUP-01    | GCRW-03   | PZ-05     | PZ-06     |
|                                  |       |            |          | Start Depth   | 15        | 15        | 15        | 15        | 8         | 7         |
|                                  |       |            |          | End Depth     | 25        | 25        | 25        | 25        | 18        | 17        |
|                                  |       |            |          | Depth Unit    | ft        | ft        | ft        | ft        | ft        | ft        |
|                                  |       |            |          | Sample Date   | 9/24/2018 | 9/24/2018 | 9/24/2018 | 9/25/2018 | 9/25/2018 | 9/25/2018 |
|                                  |       |            |          | Parent Sample |           |           | GCRW-02   |           |           |           |
| Analyte                          | Units | CAS No.    | NYS AWQS |               |           |           |           |           |           |           |
| BTEX                             | ug/L  |            |          |               |           |           |           |           |           |           |
| Benzene                          |       | 71-43-2    | 1        |               | 1.4       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| Toluene                          |       | 108-88-3   | 5        |               | 6.8       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| Ethylbenzene                     |       | 100-41-4   | 5        |               | 31        | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| Total Xylene                     |       | 1330-20-7  | 5        |               | 32        | 2 U       | 2 U       | 2 U       | 2 U       | 2 U       |
| Total BTEX (ND=0)                |       | TBTEX_ND0  | NE       |               | 71.2      | ND        | ND        | ND        | ND        | ND        |
| Other VOCs                       | ug/L  |            |          |               |           |           |           |           |           |           |
| Acetone                          |       | 67-64-1    | 50*      |               | 5 U       | 5 U       | 5 U       | 5 U       | 5 U       | 5 U       |
| Bromodichloromethane             |       | 75-27-4    | 50*      |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| Bromoform                        |       | 75-25-2    | 50*      |               | 1 UJ      | 1 UJ      | 1 UJ      | 1 UJ      | 1 UJ      | 1 U       |
| Bromomethane                     |       | 74-83-9    | 5        |               | 1 UJ      | 1 UJ      | 1 UJ      | 1 U       | 1 U       | 1 U       |
| Carbon disulfide                 |       | 75-15-0    | 60*      |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| Carbon tetrachloride             |       | 56-23-5    | 5        |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 UJ      |
| Chlorobenzene                    |       | 108-90-7   | 5        |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| Chloroethane                     |       | 75-00-3    | 5        |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| Chloroform (Trichloromethane)    |       | 67-66-3    | 7        |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| Chloromethane                    |       | 74-87-3    | 5        |               | 1 UJ      | 1 UJ      | 1 UJ      | 1 UJ      | 1 UJ      | 1 UJ      |
| Dibromochloromethane             |       | 124-48-1   | 50*      |               | 1 U       | 1 U       | 1 U       | 1 UJ      | 1 UJ      | 1 UJ      |
| 1,1-Dichloroethane               |       | 75-34-3    | 5        |               | 0.45 J    | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| 1,2-Dichloroethane               |       | 107-06-2   | 0.6      |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| 1,1-Dichloroethene               |       | 75-35-4    | 5        |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| Total 1,2-Dichloroethene         |       | 540-59-0   | NE       |               | 2 U       | 2 U       | 2 U       | 2 U       | 2 U       | 2 U       |
| 1,2-Dichloropropane              |       | 78-87-5    | 1        |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| cis-1,3-Dichloropropene          |       | 10061-01-5 | 0.4      |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| trans-1,3-Dichloropropene        |       | 10061-02-6 | 0.4      |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| 2-Hexanone                       |       | 591-78-6   | 50*      |               | 5 U       | 5 U       | 5 U       | 5 U       | 5 U       | 5 U       |
| Methyl ethyl ketone (2-Butanone) |       | 78-93-3    | 50*      |               | 5 U       | 5 U       | 5 U       | 5 U       | 5 U       | 5 UJ      |
| Methyl tert-butyl ether (MTBE)   |       | 1634-04-4  | 10*      |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| 4-Methyl-2-pentanone (MIBK)      |       | 108-10-1   | NE       |               | 5 U       | 5 U       | 5 U       | 5 U       | 5 U       | 5 U       |
| Methylene chloride               |       | 75-09-2    | 5        |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| Styrene                          |       | 100-42-5   | 5        |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| 1,1,2,2-Tetrachloroethane        |       | 79-34-5    | 5        |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| Tetrachloroethene (PCE)          |       | 127-18-4   | 5        |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| 1,1,1-Trichloroethane (TCA)      |       | 71-55-6    | 5        |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| 1,1,2-Trichloroethane            |       | 79-00-5    | 1        |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| Trichloroethene (TCE)            |       | 79-01-6    | 5        |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| Vinyl chloride                   |       | 75-01-4    | 2        |               | 1 U       | 1 U       | 1 U       | 1 UJ      | 1 UJ      | 1 U       |
| Total VOCs (ND=0)                |       | TVOC_ND0   | NE       |               | 71.65     | ND        | ND        | ND        | ND        | ND        |

Table 2. Groundwater Analysis Results  
Groundwater Monitoring Report - Q3 2018  
Glen Cove Former MGP Site  
Glen Cove, New York

|                             |       |            |          | Location Name | GCRW-01   | GCRW-02   | GCRW-02   | GCRW-03   | PZ-05     | PZ-06     |
|-----------------------------|-------|------------|----------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|
|                             |       |            |          | Sample Name   | GCRW-01   | GCRW-02   | DUP-01    | GCRW-03   | PZ-05     | PZ-06     |
|                             |       |            |          | Start Depth   | 15        | 15        | 15        | 15        | 8         | 7         |
|                             |       |            |          | End Depth     | 25        | 25        | 25        | 25        | 18        | 17        |
|                             |       |            |          | Depth Unit    | ft        | ft        | ft        | ft        | ft        | ft        |
|                             |       |            |          | Sample Date   | 9/24/2018 | 9/24/2018 | 9/24/2018 | 9/25/2018 | 9/25/2018 | 9/25/2018 |
|                             |       |            |          | Parent Sample |           |           | GCRW-02   |           |           |           |
| Analyte                     | Units | CAS No.    | NYS AWQS |               |           |           |           |           |           |           |
| NYSDEC PAH17                | ug/L  |            |          |               |           |           |           |           |           |           |
| Acenaphthene                |       | 83-32-9    | 20*      |               | 120 J     | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Acenaphthylene              |       | 208-96-8   | NE       |               | 4.7 J     | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Anthracene                  |       | 120-12-7   | 50*      |               | 5.1 J     | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Benzo(a)anthracene          |       | 56-55-3    | 0.002*   |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| Benzo(b)fluoranthene        |       | 205-99-2   | 0.002*   |               | 2 U       | 2 U       | 2 U       | 2 UJ      | 2 UJ      | 2 UJ      |
| Benzo(k)fluoranthene        |       | 207-08-9   | 0.002*   |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| Benzo(g,h,i)perylene        |       | 191-24-2   | NE       |               | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Benzo(a)pyrene              |       | 50-32-8    | ND       |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| Chrysene                    |       | 218-01-9   | 0.002*   |               | 2 U       | 2 U       | 2 U       | 2 U       | 2 U       | 2 U       |
| Dibenz(a,h)anthracene       |       | 53-70-3    | NE       |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| Fluoranthene                |       | 206-44-0   | 50*      |               | 2.8 J     | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Fluorene                    |       | 86-73-7    | 50*      |               | 50 J      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Indeno(1,2,3-cd)pyrene      |       | 193-39-5   | 0.002*   |               | 2 UJ      | 2 UJ      | 2 UJ      | 2 U       | 2 U       | 2 U       |
| 2-Methylnaphthalene         |       | 91-57-6    | NE       |               | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Naphthalene                 |       | 91-20-3    | 10*      |               | 7.8 J     | 10 U      | 10 U      | 10 U      | 1.2 J     | 10 U      |
| Phenanthrene                |       | 85-01-8    | 50*      |               | 30 J      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Pyrene                      |       | 129-00-0   | 50*      |               | 2.7 J     | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Total PAH (17) (ND=0)       |       | TPAH17_ND0 | NE       |               | 223.1     | ND        | ND        | ND        | 1.2       | ND        |
| NYSDEC PAH17 Other SVOCs    | ug/L  |            |          |               |           |           |           |           |           |           |
| Bis(2-chloroethoxy)methane  |       | 111-91-1   | 5        |               | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Bis(2-chloroethyl)ether     |       | 111-44-4   | 1        |               | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       | 1 U       |
| 2,2-oxybis(1-Chloropropane) |       | 108-60-1   | 5        |               | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Bis(2-ethylhexyl)phthalate  |       | 117-81-7   | 5        |               | 2 U       | 2 U       | 2 U       | 2 U       | 2 U       | 2 U       |
| 4-Bromophenyl phenyl ether  |       | 101-55-3   | NE       |               | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Butyl benzyl phthalate      |       | 85-68-7    | 50*      |               | 10 U      | 10 U      | 10 U      | 10 UJ     | 10 UJ     | 10 UJ     |
| Carbazole                   |       | 86-74-8    | NE       |               | 2.8 J     | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| 4-Chloro-3-methylphenol     |       | 59-50-7    | NE       |               | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| 4-Chloroaniline             |       | 106-47-8   | 5        |               | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| 2-Chloronaphthalene         |       | 91-58-7    | 10*      |               | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| 2-Chlorophenol              |       | 95-57-8    | NE       |               | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| 4-Chlorophenyl phenyl ether |       | 7005-72-3  | NE       |               | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| Dibenzofuran                |       | 132-64-9   | NE       |               | 7.6 J     | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| 1,2-Dichlorobenzene (o-DCB) |       | 95-50-1    | 3        |               | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| 1,3-Dichlorobenzene (m-DCB) |       | 541-73-1   | 3        |               | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| 1,4-Dichlorobenzene (p-DCB) |       | 106-46-7   | 3        |               | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| 3,3-Dichlorobenzidine       |       | 91-94-1    | 5        |               | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |
| 2,4-Dichlorophenol          |       | 120-83-2   | 5        |               | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      | 10 U      |

Table 2. Groundwater Analysis Results  
Groundwater Monitoring Report - Q3 2018  
Glen Cove Former MGP Site  
Glen Cove, New York

| Location Name<br>Sample Name<br>Start Depth<br>End Depth<br>Depth Unit<br>Sample Date<br>Parent Sample |       |            |          | GCRW-01<br>GCRW-01<br>15<br>25<br>ft<br>9/24/2018 | GCRW-02<br>GCRW-02<br>15<br>25<br>ft<br>9/24/2018 | GCRW-02<br>DUP-01<br>15<br>25<br>ft<br>9/24/2018<br>GCRW-02 | GCRW-03<br>GCRW-03<br>15<br>25<br>ft<br>9/25/2018 | PZ-05<br>PZ-05<br>8<br>18<br>ft<br>9/25/2018 | PZ-06<br>PZ-06<br>7<br>17<br>ft<br>9/25/2018 |
|--------------------------------------------------------------------------------------------------------|-------|------------|----------|---------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------|----------------------------------------------|----------------------------------------------|
| Analyte                                                                                                | Units | CAS No.    | NYS AWQS |                                                   |                                                   |                                                             |                                                   |                                              |                                              |
| Diethyl phthalate                                                                                      |       | 84-66-2    | 50*      | 10 U                                              | 10 U                                              | 10 U                                                        | 10 U                                              | 10 U                                         | 10 U                                         |
| Dimethyl phthalate                                                                                     |       | 131-11-3   | 50*      | 10 U                                              | 10 U                                              | 10 U                                                        | 10 U                                              | 10 U                                         | 10 U                                         |
| 2,4-Dimethylphenol                                                                                     |       | 105-67-9   | 50*      | 10 U                                              | 10 U                                              | 10 U                                                        | 10 U                                              | 10 U                                         | 10 U                                         |
| Di-n-butyl phthalate                                                                                   |       | 84-74-2    | 50       | 10 U                                              | 10 U                                              | 10 U                                                        | 10 U                                              | 10 U                                         | 10 U                                         |
| 4,6-Dinitro-2-methylphenol                                                                             |       | 534-52-1   | NE       | 20 U                                              | 20 U                                              | 20 U                                                        | 20 UJ                                             | 20 UJ                                        | 20 UJ                                        |
| 2,4-Dinitrophenol                                                                                      |       | 51-28-5    | 10*      | 20 U                                              | 20 U                                              | 20 U                                                        | 20 UJ                                             | 20 UJ                                        | 20 UJ                                        |
| 2,4-Dinitrotoluene                                                                                     |       | 121-14-2   | 5        | 1.2 J                                             | 2 U                                               | 2 U                                                         | 2 U                                               | 2 U                                          | 2 U                                          |
| 2,6-Dinitrotoluene                                                                                     |       | 606-20-2   | 5        | 2 U                                               | 2 U                                               | 2 U                                                         | 2 U                                               | 2 U                                          | 2 U                                          |
| Di-n-octyl phthalate                                                                                   |       | 117-84-0   | 50*      | 10 UJ                                             | 10 UJ                                             | 10 UJ                                                       | 10 UJ                                             | 10 UJ                                        | 10 UJ                                        |
| Hexachlorobenzene                                                                                      |       | 118-74-1   | 0.04     | 1 U                                               | 1 U                                               | 1 U                                                         | 1 U                                               | 1 U                                          | 1 U                                          |
| 1,3-Hexachlorobutadiene (C-46)                                                                         |       | 87-68-3    | 0.5      | 1 U                                               | 1 U                                               | 1 U                                                         | 1 U                                               | 1 U                                          | 1 U                                          |
| Hexachlorocyclopentadiene                                                                              |       | 77-47-4    | 5        | 10 U                                              | 10 U                                              | 10 U                                                        | 10 UJ                                             | 10 UJ                                        | 10 UJ                                        |
| Hexachloroethane                                                                                       |       | 67-72-1    | 5        | 2 U                                               | 2 U                                               | 2 U                                                         | 2 U                                               | 2 U                                          | 2 U                                          |
| Isophorone                                                                                             |       | 78-59-1    | 50*      | 10 U                                              | 10 U                                              | 10 U                                                        | 10 U                                              | 10 U                                         | 10 U                                         |
| 2-Methylnaphthalene                                                                                    |       | 91-57-6    | NE       | 10 U                                              | 10 U                                              | 10 U                                                        | 10 U                                              | 10 U                                         | 10 U                                         |
| 2-Methylphenol (o-Cresol)                                                                              |       | 95-48-7    | 1        | 10 U                                              | 10 U                                              | 10 U                                                        | 10 U                                              | 10 U                                         | 10 U                                         |
| 4-Methylphenol (p-Cresol)                                                                              |       | 106-44-5   | 1        | 10 U                                              | 10 U                                              | 10 U                                                        | 10 U                                              | 10 U                                         | 10 U                                         |
| 2-Nitroaniline                                                                                         |       | 88-74-4    | 5        | 10 U                                              | 10 U                                              | 10 U                                                        | 10 U                                              | 10 U                                         | 10 U                                         |
| 3-Nitroaniline                                                                                         |       | 99-09-2    | 5        | 10 U                                              | 10 U                                              | 10 U                                                        | 10 U                                              | 10 U                                         | 10 U                                         |
| 4-Nitroaniline                                                                                         |       | 100-01-6   | 5        | 10 U                                              | 10 U                                              | 10 U                                                        | 10 U                                              | 10 U                                         | 10 U                                         |
| Nitrobenzene                                                                                           |       | 98-95-3    | 0.4      | 1 U                                               | 1 U                                               | 1 U                                                         | 1 U                                               | 1 U                                          | 1 U                                          |
| 2-Nitrophenol                                                                                          |       | 88-75-5    | NE       | 10 U                                              | 10 U                                              | 10 U                                                        | 10 UJ                                             | 10 UJ                                        | 10 UJ                                        |
| 4-Nitrophenol                                                                                          |       | 100-02-7   | NE       | 20 U                                              | 20 U                                              | 20 U                                                        | 20 U                                              | 20 U                                         | 20 U                                         |
| N-Nitrosodiphenylamine (NDFA)                                                                          |       | 86-30-6    | 50*      | 10 U                                              | 10 U                                              | 10 U                                                        | 10 U                                              | 10 U                                         | 10 U                                         |
| N-Nitrosodi-n-propylamine (NDPA)                                                                       |       | 621-64-7   | NE       | 1 U                                               | 1 U                                               | 1 U                                                         | 1 U                                               | 1 U                                          | 1 U                                          |
| Pentachlorophenol                                                                                      |       | 87-86-5    | 1        | 20 U                                              | 20 U                                              | 20 U                                                        | 20 U                                              | 20 U                                         | 20 U                                         |
| Phenol                                                                                                 |       | 108-95-2   | 1        | 10 U                                              | 10 U                                              | 10 U                                                        | 10 U                                              | 10 U                                         | 10 U                                         |
| 1,2,4-Trichlorobenzene                                                                                 |       | 120-82-1   | 5        | 2 U                                               | 2 U                                               | 2 U                                                         | 2 U                                               | 2 U                                          | 2 U                                          |
| 2,4,5-Trichlorophenol                                                                                  |       | 95-95-4    | NE       | 10 U                                              | 10 U                                              | 10 U                                                        | 10 U                                              | 10 U                                         | 10 U                                         |
| 2,4,6-Trichlorophenol                                                                                  |       | 88-06-2    | NE       | 10 U                                              | 10 U                                              | 10 U                                                        | 10 U                                              | 10 U                                         | 10 U                                         |
| Total SVOCs (ND=0)                                                                                     |       | TSVOC_ND0  | NE       | 234.7                                             | ND                                                | ND                                                          | ND                                                | 1.2                                          | ND                                           |
| PCB Aroclors                                                                                           | ug/L  |            |          |                                                   |                                                   |                                                             |                                                   |                                              |                                              |
| Aroclor 1016                                                                                           |       | 12674-11-2 | NE       | NA                                                | NA                                                | NA                                                          | NA                                                | NA                                           | NA                                           |
| Aroclor 1221                                                                                           |       | 11104-28-2 | NE       | NA                                                | NA                                                | NA                                                          | NA                                                | NA                                           | NA                                           |
| Aroclor 1232                                                                                           |       | 11141-16-5 | NE       | NA                                                | NA                                                | NA                                                          | NA                                                | NA                                           | NA                                           |
| Aroclor 1242                                                                                           |       | 53469-21-9 | NE       | NA                                                | NA                                                | NA                                                          | NA                                                | NA                                           | NA                                           |
| Aroclor 1248                                                                                           |       | 12672-29-6 | NE       | NA                                                | NA                                                | NA                                                          | NA                                                | NA                                           | NA                                           |
| Aroclor 1254                                                                                           |       | 11097-69-1 | NE       | NA                                                | NA                                                | NA                                                          | NA                                                | NA                                           | NA                                           |

Table 2. Groundwater Analysis Results  
Groundwater Monitoring Report - Q3 2018  
Glen Cove Former MGP Site  
Glen Cove, New York

|                             |       |            |          | Location Name | GCRW-01   | GCRW-02   | GCRW-02   | GCRW-03   | PZ-05     | PZ-06     |
|-----------------------------|-------|------------|----------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|
|                             |       |            |          | Sample Name   | GCRW-01   | GCRW-02   | DUP-01    | GCRW-03   | PZ-05     | PZ-06     |
|                             |       |            |          | Start Depth   | 15        | 15        | 15        | 15        | 8         | 7         |
|                             |       |            |          | End Depth     | 25        | 25        | 25        | 25        | 18        | 17        |
|                             |       |            |          | Depth Unit    | ft        | ft        | ft        | ft        | ft        | ft        |
|                             |       |            |          | Sample Date   | 9/24/2018 | 9/24/2018 | 9/24/2018 | 9/25/2018 | 9/25/2018 | 9/25/2018 |
|                             |       |            |          | Parent Sample |           |           | GCRW-02   |           |           |           |
| Analyte                     | Units | CAS No.    | NYS AWQS |               |           |           |           |           |           |           |
| Aroclor 1260                |       | 11096-82-5 | NE       |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Aroclor 1262                |       | 37324-23-5 | NE       |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Aroclor 1268                |       | 11100-14-4 | NE       |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Total PCBs (Lab calculated) |       | 1336-36-3  | 0.09     |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Total Metals                | ug/L  |            |          |               |           |           |           |           |           |           |
| Aluminum                    |       | 7429-90-5  | NE       |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Antimony                    |       | 7440-36-0  | 3        |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Arsenic                     |       | 7440-38-2  | 25       |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Barium                      |       | 7440-39-3  | 1000     |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Beryllium                   |       | 7440-41-7  | 3*       |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Cadmium                     |       | 7440-43-9  | 5        |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Calcium                     |       | 7440-70-2  | NE       |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Chromium                    |       | 7440-47-3  | 50       |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Cobalt                      |       | 7440-48-4  | NE       |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Copper                      |       | 7440-50-8  | 200      |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Iron                        |       | 7439-89-6  | 300      |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Lead                        |       | 7439-92-1  | 25       |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Magnesium                   |       | 7439-95-4  | 35000*   |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Manganese                   |       | 7439-96-5  | 300      |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Mercury                     |       | 7439-97-6  | 0.7      |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Nickel                      |       | 7440-02-0  | 100      |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Potassium                   |       | 7440-09-7  | NE       |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Selenium                    |       | 7782-49-2  | 10       |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Silver                      |       | 7440-22-4  | 50       |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Sodium                      |       | 7440-23-5  | 20000    |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Thallium                    |       | 7440-28-0  | 0.5*     |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Vanadium                    |       | 7440-62-2  | NE       |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Zinc                        |       | 7440-66-6  | 2000*    |               | NA        | NA        | NA        | NA        | NA        | NA        |
| Cyanides                    | ug/L  |            |          |               |           |           |           |           |           |           |
| Total Cyanide               |       | 57-12-5    | 200      |               | NA        | NA        | NA        | NA        | NA        | NA        |

**Table 2. Groundwater Analysis Results**  
**Groundwater Monitoring Report - Q3 2018**  
**Glen Cove Former MGP Site**  
**Glen Cove, New York**

**Notes:**

**Analytes in blue are not detected in any sample**

ug/L = micrograms per liter or parts per billion (ppb)

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

PAH = Polycyclic Aromatic Hydrocarbon

PCB = Polychlorinated Biphenyl

SVOC = Semi-Volatile Organic Compound

VOC = Volatile Organic Compound

Total BTEX, Total VOCs, Total PAHs, and Total SVOCs are calculated using detects only.

Total PAH16 is calculated using the EPA16 list of analytes: Acenaphthene, Acenaphthylene, Anthracene, Benz[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene, Chrysene, Dibenzo[a,h]anthracene, Fluoranthene, Fluorene, Indeno[1,2,3-cd]pyrene, Naphthalene, Phenanthrene, and Pyrene

Total PAH17 is calculated using the EPA16 list of analytes plus 2-Methylnaphthalene

NYS AWQS = New York State Ambient Water Quality Standards and Guidance Values for GA groundwater

\* indicates the value is a guidance value and not a standard

CAS No. = Chemical Abstracts Service Number

MGP = Manufactured Gas Plant

ND = Not Detected

NE = Not Established

NYSDEC = New York State Department of Environmental Conservation

NA - Not Analyzed

Bolding indicates a detected result concentration

Gray shading and boling indicates that the detected result value exceeds the NYS AWQS

**Validation Qualifiers:**

J = The result is an estimated value.

U = The result was not detected above the reporting limit.

UJ = The result was not detected at or above the reporting limit shown and the reporting limit is estimated.

Table 3. Oxygen Injection System Operational Data  
Groundwater Monitoring Report - Q3 2018  
Glen Cove Former MGP Site  
Glen Cove, New York

Weight of Oxygen Injected through Q2 2018 7,672.95 lbs

| Operational Days                               |        |    | Oxygen Injected Per Month (lbs) |
|------------------------------------------------|--------|----|---------------------------------|
| Month 1                                        | Jul-18 | 31 | 2,614                           |
| Month 2                                        | Aug-18 | 31 | 3,002                           |
| Month 3                                        | Sep-18 | 30 | 3,340                           |
| Total Operational Days in Q3 2018              |        |    | 92                              |
| Total Oxygen in Q3 2018 (lbs)                  |        |    | 8,955.11                        |
| Running Total for Oxygen Through Q3 2018 (lbs) |        |    | 16,628.06                       |

Notes:

SCFH (M) = Measured flow rate  
SCFH (C\*) = Flow rate converted for oxygen (Flow meters are calibrated for air)  
CF/D (V) = Volume of oxygen injected per day  
PSI (M) = Measured pressure  
PSIa (P) = Pressure converted to atmospheric pressure  
n = PV/RT = (lb Moles)  
lbs = n\*32 lb/lb mole  
Temperature = Degrees Rankine  
R = Constant (10.73)

System Operating Specs

Total of 2 injection banks  
Oxygen is injected for 10 minutes during each injection cycle  
Each Injection bank operates for 12 injection cycles per day  
Each injection point injects oxygen for 120 min per day (10 min per cycle \* 12 cycles)

Example

Bank 1 starts injection at 700AM  
Bank 1 finishes injection at 710AM  
System is recharging 710AM to 800AM  
Bank 2 starts injection at 800AM  
Bank 2 finishes injection at 810AM  
System is recharging 810AM to 900AM  
(Keep repeating cycle for course of day)

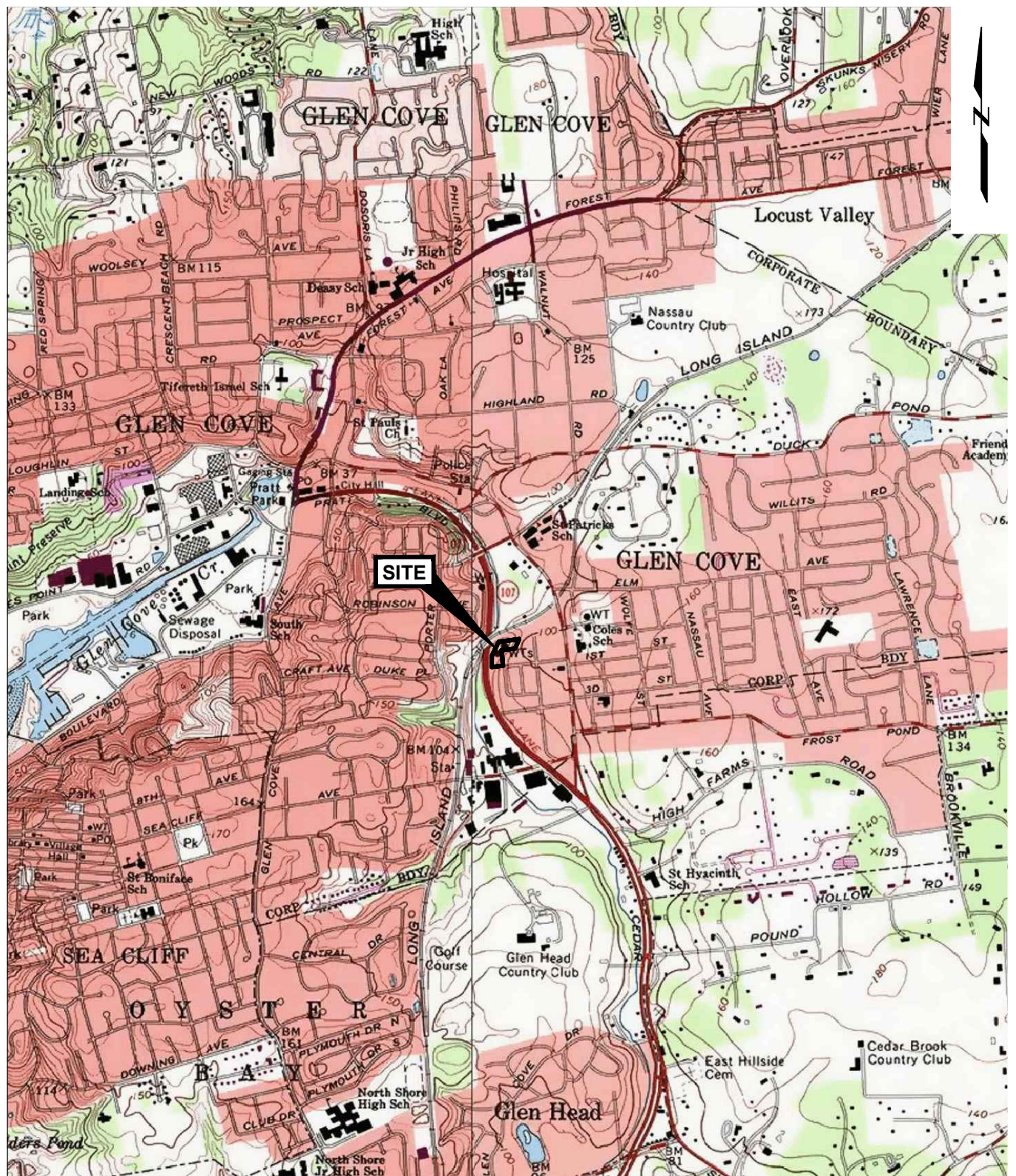
System Downtime

System down on 7/30/2018 (8.5 hours) for routine bi-annual maintenance (filled tanks, restarted system)

|                                    |           |    | 7/31/2018        |           |          |         |          |                | 8/31/2018 |           |          |         |          |                | 9/28/2018 |           |          |         |          |                |
|------------------------------------|-----------|----|------------------|-----------|----------|---------|----------|----------------|-----------|-----------|----------|---------|----------|----------------|-----------|-----------|----------|---------|----------|----------------|
|                                    |           |    | O <sub>2</sub> % |           |          |         |          |                |           |           |          |         |          |                |           |           |          |         |          |                |
|                                    |           |    | R                |           |          |         |          |                |           |           |          |         |          |                |           |           |          |         |          |                |
|                                    |           |    | Temp R (T)       |           |          |         |          |                |           |           |          |         |          |                |           |           |          |         |          |                |
|                                    |           |    | SCFH (M)         | SCFH (C*) | CF/D (V) | PSI (M) | PSIa (P) | n=PV/RT lbs O2 | SCFH (M)  | SCFH (C*) | CF/D (V) | PSI (M) | PSIa (P) | n=PV/RT lbs O2 | SCFH (M)  | SCFH (C*) | CF/D (V) | PSI (M) | PSIa (P) | n=PV/RT lbs O2 |
| Injection Bank 1                   | Point 01I | 34 | 0                | 0.000     | 0.000    | 30.0    | 44.7     | 0.000          | 0         | 0.000     | 0.000    | 26.0    | 40.7     | 0.000          | 0         | 0.000     | 0.000    | 17.0    | 31.7     | 0.000          |
|                                    | Point 02S | 31 | 0                | 0.000     | 0.000    | 30.0    | 44.7     | 0.000          | 0         | 0.000     | 0.000    | 0.0     | 14.7     | 0.000          | 0         | 0.000     | 0.000    | 0.0     | 14.7     | 0.000          |
|                                    | Point 02I | 34 | 18               | 28.453    | 56.907   | 26.0    | 40.7     | 0.360          | 14        | 20.871    | 41.742   | 21.5    | 36.2     | 0.234          | 14        | 19.684    | 39.369   | 17.5    | 32.2     | 0.197          |
|                                    | Point 03S | 21 | 32               | 46.029    | 92.058   | 19.0    | 33.7     | 0.483          | 22        | 29.456    | 58.913   | 14.5    | 29.2     | 0.266          | 20        | 26.779    | 53.557   | 14.5    | 29.2     | 0.243          |
|                                    | Point 03I | 34 | 26               | 35.403    | 70.806   | 15.5    | 30.2     | 0.333          | 26        | 35.109    | 70.218   | 15.0    | 29.7     | 0.323          | 20        | 26.779    | 53.557   | 14.5    | 29.2     | 0.243          |
|                                    | Point 04S | 21 | 26               | 29.662    | 59.325   | 6.5     | 21.2     | 0.196          | 26        | 28.594    | 57.188   | 5.0     | 19.7     | 0.174          | 26        | 28.954    | 57.909   | 5.5     | 20.2     | 0.182          |
|                                    | Point 04I | 34 | 28               | 36.183    | 72.366   | 12.5    | 27.2     | 0.306          | 28        | 35.849    | 71.698   | 12.0    | 26.7     | 0.296          | 22        | 28.167    | 56.334   | 12.0    | 26.7     | 0.234          |
|                                    | -         | -  | -                | -         | -        | -       | -        | -              | -         | -         | -        | -       | -        | -              | -         | -         | -        | -       | -        | -              |
| Total Oxygen Injected Per Day (lb) |           |    | 53.697           |           |          |         |          |                | 41.385    |           |          |         |          |                | 35.164    |           |          |         |          |                |
| Injection Bank 2                   | Point 05S | 21 | 30               | 34.627    | 69.254   | 7.0     | 21.7     | 0.234          | 22        | 25.099    | 50.198   | 6.5     | 21.2     | 0.165          | 40        | 45.634    | 91.269   | 6.5     | 21.2     | 0.301          |
|                                    | Point 05I | 34 | 0                | 0.000     | 0.000    | 11.0    | 25.7     | 0.000          | 30        | 36.943    | 73.886   | 10.0    | 24.7     | 0.282          | 38        | 46.795    | 93.589   | 10.0    | 24.7     | 0.359          |
|                                    | Point 06S | 21 | 28               | 32.319    | 64.637   | 7.0     | 21.7     | 0.218          | 24        | 26.727    | 53.454   | 5.5     | 20.2     | 0.167          | 38        | 43.353    | 86.705   | 6.5     | 21.2     | 0.286          |
|                                    | Point 06I | 34 | 0                | 0.000     | 0.000    | 18.0    | 32.7     | 0.000          | 0         | 0.000     | 0.000    | 30.0    | 44.7     | 0.000          | 12        | 17.388    | 34.777   | 19.5    | 34.2     | 0.185          |
|                                    | Point 07S | 21 | 32               | 32.884    | 65.767   | 2.5     | 17.2     | 0.176          | 34        | 34.939    | 69.878   | 2.5     | 17.2     | 0.186          | 40        | 41.104    | 82.209   | 2.5     | 17.2     | 0.220          |
|                                    | Point 07I | 34 | 34               | 33.908    | 67.816   | 1.5     | 16.2     | 0.171          | 20        | 24.378    | 48.757   | 9.5     | 24.2     | 0.183          | 38        | 47.733    | 95.465   | 11.0    | 25.7     | 0.381          |
|                                    | Point 08S | 21 | 30               | 30.377    | 60.754   | 2.0     | 16.7     | 0.158          | 16        | 16.201    | 32.402   | 2.0     | 16.7     | 0.084          | 36        | 36.994    | 73.988   | 2.5     | 17.2     | 0.198          |
|                                    | Point 08I | 34 | 0                | 0.000     | 0.000    | 2.0     | 16.7     | 0.000          | 58        | 76.316    | 152.633  | 13.5    | 28.2     | 0.666          | 38        | 50.442    | 100.883  | 14.0    | 28.7     | 0.450          |
| Total Oxygen Injected Per Day (lb) |           |    | 30.625           |           |          |         |          |                | 55.440    |           |          |         |          |                | 76.153    |           |          |         |          |                |
| System Total Per Day (lb)          |           |    | 84.32            |           |          |         |          |                | 96.83     |           |          |         |          |                | 111.32    |           |          |         |          |                |

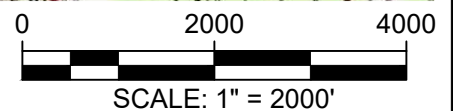
## Figures

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**NOTES:**

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Groundwater Monitoring Report - Q3 2018  
Glen Cove Former MGP Site  
Glen Cove, New York

**nationalgrid**

**GEI** Consultants

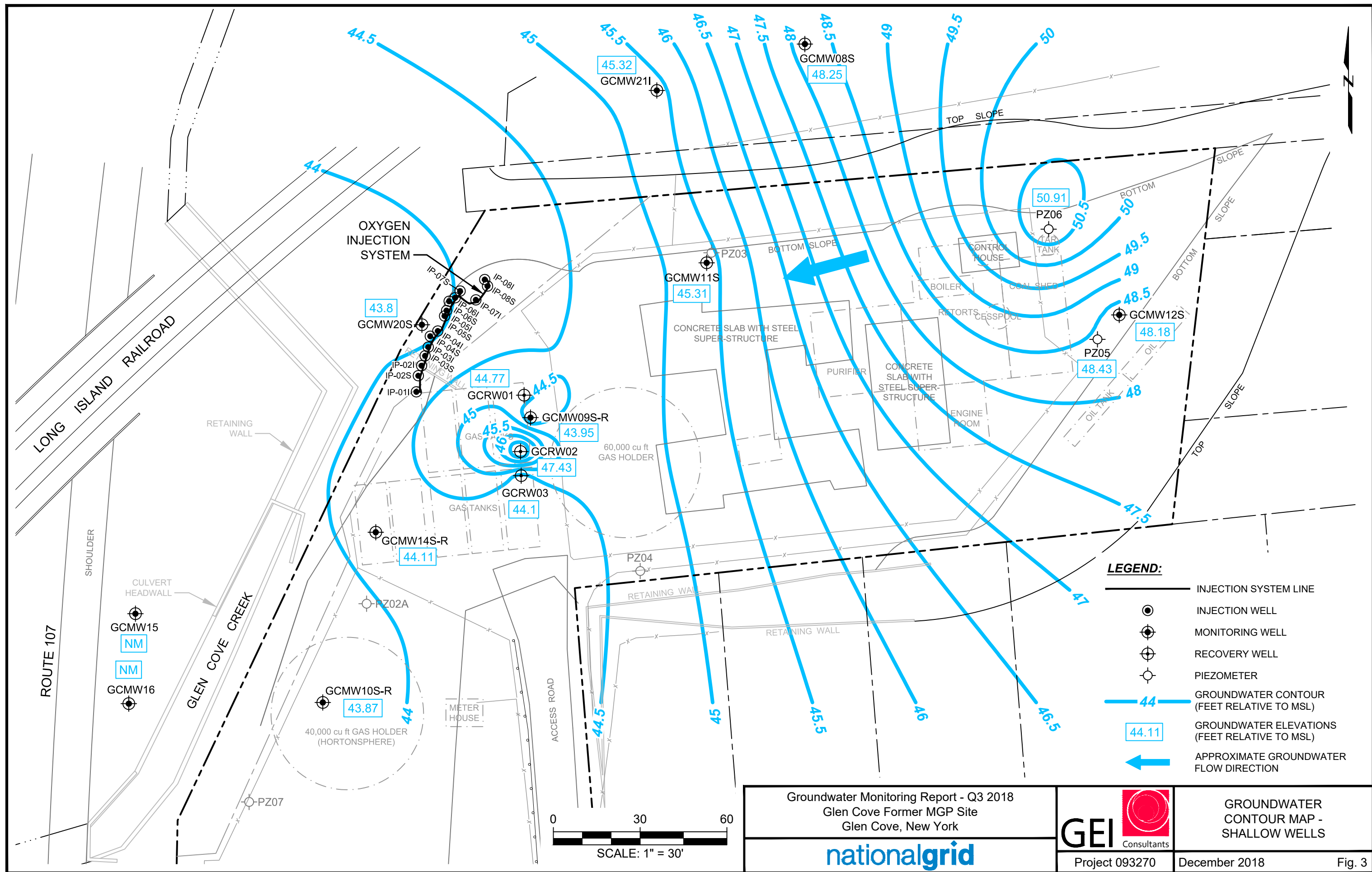
SITE LOCATION MAP

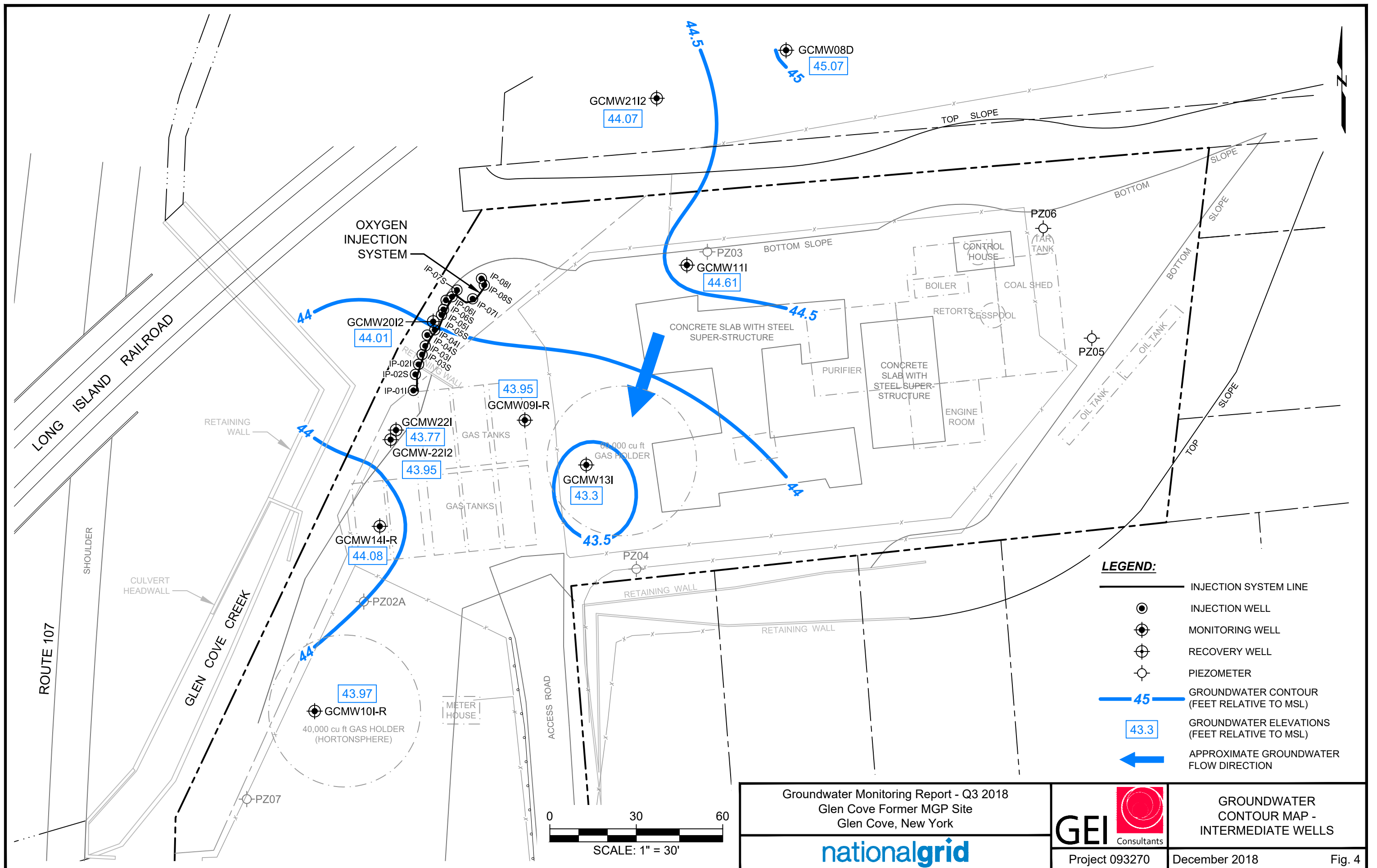
Project 093270

December 2018

Fig. 1







|              |          |      |          |          |          |          |          |  |
|--------------|----------|------|----------|----------|----------|----------|----------|--|
| Sample ID:   | GCMW-09S |      |          |          |          |          |          |  |
| Sample Date: | 2004     | 2005 | Feb-2008 | Mar-2010 | Jun-2010 | Sep-2010 | Dec-2010 |  |
| BTEX (µg/L)  | 30       | 133  | 2        | 98       | 118      | 65       | 45       |  |
| PAHs (µg/L)  | 305      | 272  | 380      | 543      | 1,907    | 495      | 451      |  |

| Sample ID:   | GCMW-11S |       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |
|--------------|----------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| Sample Date: | 2004     | 2005  | Feb-2008 | Mar-2010 | Jun-2010 | Sep-2010 | Dec-2010 | Jan-2011 | Jan-2012 | Jul-2012 | Jan-2013 | Jul-2013 | Jul-2014 | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |  |
| BTEX (µg/L)  | 1,003    | 1,776 | 1,319    | 1,163    | 1,070    | 1,048    | 1,002    | 1,073    | 449      | 983      | 922      | 924      | 711      | 394      | 456.2    | 516.5    | 544.6    |  |
| PAHs (µg/L)  | 6,523    | 4,455 | 7,421    | 6,462    | 4,964    | 5,036    | 4,750    | 5,685    | 5,206    | 6,066    | 6,774    | 5,914    | 5,262    | 2,329    | 371.7    | 4,185    | 2,355    |  |

|              |          |          |          |          |          |  |
|--------------|----------|----------|----------|----------|----------|--|
| Sample ID:   | GCMW-20S |          |          |          |          |  |
| Sample Date: | Jul-2014 | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |  |
| BTEX (µg/L)  | NS       | 3        | 1.57     | 0.57     | 0.47     |  |
| PAHs (µg/L)  | NS       | 116      | 50.13    | 7.35     | 29.58    |  |

|              |          |          |          |          |          |          |          |          |  |  |  |  |
|--------------|----------|----------|----------|----------|----------|----------|----------|----------|--|--|--|--|
| Sample ID:   | GCRW-01  |          |          |          |          |          |          |          |  |  |  |  |
| Sample Date: | Jul-2012 | Jan-2013 | Jul-2013 | Jul-2014 | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |  |  |  |  |
| BTEX (µg/L)  | 293      | 102      | 75       | 82       | 14       | 23.37    | 90       | 71.2     |  |  |  |  |
| PAHs (µg/L)  | 5,894    | 3,928    | 2,587    | 651      | 555      | 43.8     | 171.8    | 223.1    |  |  |  |  |

|              |          |          |          |          |          |  |
|--------------|----------|----------|----------|----------|----------|--|
| Sample ID:   | GCMW-21I |          |          |          |          |  |
| Sample Date: | Jul-2014 | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |  |
| BTEX (µg/L)  | 3        | ND       | 0.31     | ND       | 11.41    |  |
| PAHs (µg/L)  | 274      | 64       | 117      | 29.45    | 105.3    |  |

|              |       |       |          |          |          |          |
|--------------|-------|-------|----------|----------|----------|----------|
| Sample ID:   | PZ-03 |       |          |          |          |          |
| Sample Date: | 2004  | 2005  | Feb-2008 | Mar-2010 | Jun-2010 | Sep-2010 |
| BTEX (µg/L)  | 283   | 221   | NS       | NS       | NS       | NS       |
| PAHs (µg/L)  | 3,221 | 1,242 | NS       | NS       | NS       | NS       |

|              |          |      |          |          |          |          |          |          |
|--------------|----------|------|----------|----------|----------|----------|----------|----------|
| Sample ID:   | GCMW-08S |      |          |          |          |          |          |          |
| Sample Date: | 2004     | 2005 | Feb-2008 | Mar-2010 | Jun-2010 | Sep-2010 | Dec-2010 | Jul-2011 |
| BTEX (µg/L)  | 1        | ND   | ND       | ND       | ND       | ND       | ND       | ND       |
| PAHs (µg/L)  | 346      | 282  | 14       | 180      | 229      | 5        | 322      | 37       |

|              |          |          |          |          |          |          |          |          |          |
|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Sample ID:   | GCMW-08S |          |          |          |          |          |          |          |          |
| Sample Date: | Jan-2012 | Jul-2012 | Jan-2013 | Jul-2013 | Jul-2014 | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |
| BTEX (µg/L)  | ND       | ND       | ND       | ND       | ND       | 13.15    | ND       | ND       | 3.9      |
| PAHs (µg/L)  | ND       | 203      | 59       | 132      | 47       | 256      | 95.99    | 91.9     | 60.3     |

|                |                                                              |
|----------------|--------------------------------------------------------------|
| <b>LEGEND:</b> |                                                              |
|                | PROPERTY BOUNDARY                                            |
|                | FORMER STRUCTURES (REMOVED OR DESTROYED)                     |
|                | MONITORING WELL                                              |
|                | RECOVERY WELL                                                |
|                | PIEZOMETER                                                   |
|                | MONITORING WELL (ABANDONED OR DESTROYED)                     |
|                | PIEZOMETER (ABANDONED OR DESTROYED)                          |
| NS             | NOT SAMPLED                                                  |
| ND             | NOT DETECTED                                                 |
| PAHs           | POLYCYCLIC AROMATIC HYDROCARBONS                             |
| BTEX           | BENZENE, TOLUENE, ETHYLBENZENE, XYLENE                       |
| *              | NOT SAMPLED DUE TO MEASURABLE LEVELS OF DNAPL                |
| GCMW11S        | Q3 2018 INDIVIDUAL BTEX OR PAH CONCENTRATION EXCEEDS NYSAQSS |

|              |          |          |          |          |          |          |          |          |
|--------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Sample ID:   | GCRW-02  |          |          |          |          |          |          |          |
| Sample Date: | Jul-2012 | Jan-2013 | Jul-2013 | Jul-2014 | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |
| BTEX (µg/L)  | 16       | 38       | 62       | 100      | ND       | 2.1      | 0.39     | ND       |
| PAHs (µg/L)  | 1,576    | 37       | 719      | 348      | 3        | 2.4      | 0.76     | ND       |

|              |          |          |          |          |          |          |          |          |
|--------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Sample ID:   | GCRW-03  |          |          |          |          |          |          |          |
| Sample Date: | Jul-2012 | Jan-2013 | Jul-2013 | Jul-2014 | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |
| BTEX (µg/L)  | 122      | 65       | 96       | 11       | 5        | 0.5      | ND       | ND       |
| PAHs (µg/L)  | 2,274    | 261      | 339      | 37       | 83       | ND       | 1.8      | ND       |

|              |          |      |          |          |          |          |          |          |
|--------------|----------|------|----------|----------|----------|----------|----------|----------|
| Sample ID:   | GCMW-14S |      |          |          |          |          |          |          |
| Sample Date: | 2004     | 2005 | Feb-2008 | Mar-2010 | Jun-2010 | Sep-2010 | Dec-2010 | Jul-2011 |
| BTEX (µg/L)  | 3        | ND   | ND       | ND       | ND       | ND       | ND       | ND       |
| PAHs (µg/L)  | 9        | ND   | 21       | ND       | ND       | 2        | ND       | ND       |

|              |            |          |          |          |          |  |
|--------------|------------|----------|----------|----------|----------|--|
| Sample ID:   | GCMW-14S-R |          |          |          |          |  |
| Sample Date: | Jul-2014   | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |  |
| BTEX (µg/L)  | 4          | ND       | ND       | ND       | ND       |  |
| PAHs (µg/L)  | 11         | ND       | ND       | ND       | ND       |  |

|              |         |      |          |          |          |          |          |          |
|--------------|---------|------|----------|----------|----------|----------|----------|----------|
| Sample ID:   | GCMW-15 |      |          |          |          |          |          |          |
| Sample Date: | 2004    | 2005 | Feb-2008 | Mar-2010 | Jun-2010 | Sep-2010 | Dec-2010 | Jul-2011 |
| BTEX (µg/L)  | NS      | ND   | ND       | ND       | ND       | ND       | ND       | ND       |
| PAHs (µg/L)  | NS      | 10   | ND       | 2        | 3        | ND       | 2        | 4        |

|              |          |          |          |          |          |          |          |          |          |
|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Sample ID:   | GCMW-15  |          |          |          |          |          |          |          |          |
| Sample Date: | Jan-2012 | Jul-2012 | Jan-2013 | Jul-2013 | Jul-2014 | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |
| BTEX (µg/L)  | ND       | ND       | ND       | ND       | ND       | ND       | 0.37     | 0.51     | 0.43     |
| PAHs (µg/L)  | 1        | 1        | 3        | ND       | 4        | 4        | 3.42     | 6.1      | 5.7      |

|              |        |      |          |          |          |          |          |          |
|--------------|--------|------|----------|----------|----------|----------|----------|----------|
| Sample ID:   | PZ-02A |      |          |          |          |          |          |          |
| Sample Date: | 2004   | 2005 | Feb-2008 | Mar-2010 | Jun-2010 | Sep-2010 | Dec-2010 | Jul-2011 |
| BTEX (µg/L)  | ND     | ND   | ND       | ND       | ND       | ND       | ND       | ND       |
| PAHs (µg/L)  | ND     | ND   | ND       | ND       | ND       | ND       | ND       | ND       |

|              |         |      |          |          |          |          |          |          |
|--------------|---------|------|----------|----------|----------|----------|----------|----------|
| Sample ID:   | GCMW-16 |      |          |          |          |          |          |          |
| Sample Date: | 2004    | 2005 | Feb-2008 | Mar-2010 | Jun-2010 | Sep-2010 | Dec-2010 | Jul-2011 |
| BTEX (µg/L)  | NS      | ND   | ND       | ND       | ND       | ND       | ND       | ND       |
| PAHs (µg/L)  | NS      | ND   | ND       | ND       | ND       | ND       | ND       | ND       |

|              |          |          |          |          |          |          |          |          |          |
|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Sample ID:   | GCMW-16  |          |          |          |          |          |          |          |          |
| Sample Date: | Jan-2012 | Jul-2012 | Jan-2013 | Jul-2013 | Jul-2014 | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |
| BTEX (µg/L)  | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       |
| PAHs (µg/L)  | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       |

|              |       |      |          |          |          |          |          |          |
|--------------|-------|------|----------|----------|----------|----------|----------|----------|
| Sample ID:   | PZ-07 |      |          |          |          |          |          |          |
| Sample Date: | 2004  | 2005 | Feb-2008 | Mar-2010 | Jun-2010 | Sep-2010 | Dec-2010 | Jun-2011 |
| BTEX (µg/L)  | 3     | ND   | ND       | ND       | ND       | ND       | ND       | ND       |
| PAHs (µg/L)  | ND    | ND   | ND       | ND       | ND       | ND       | ND       | ND       |

|              |          |      |          |          |          |          |          |          |
|--------------|----------|------|----------|----------|----------|----------|----------|----------|
| Sample ID:   | GCMW-10S |      |          |          |          |          |          |          |
| Sample Date: | 2004     | 2005 | Feb-2008 | Mar-2010 | Jun-2010 | Sep-2010 | Dec-2010 | Jun-2011 |
| BTEX (µg/L)  | ND       | ND   | ND       | ND       | ND       | ND       | ND       | ND       |
| PAHs (µg/L)  | ND       | ND   | ND       | ND       | ND       | ND       | ND       | ND       |

|              |          |      |          |          |          |          |          |          |          |          |          |          |  |  |
|--------------|----------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|--|
| Sample ID:   | GCMW-13S |      |          |          |          |          |          |          |          |          |          |          |  |  |
| Sample Date: | 2004     | 2005 | Feb-2008 | Mar-2010 | Jun-2010 | Sep-2010 | Dec-2010 | Jul-2011 | Jan-2012 | Jul-2012 | Jan-2013 | Jul-2013 |  |  |
| BTEX (µg/L)  | 456      | NS   | 1,327    | 564      | 836      | 939      | 950      | 821      | 624      | 656      | 489      | NS       |  |  |
| PAHs (µg/L)  | 4,581    | NS   | 11,047   | 7,128    | 10,498   | 8,591    | 11,885   | 13,387   | 16,538   | 12,174   | 19,987   | NS       |  |  |

|              |       |      |          |          |          |          |          |    |
|--------------|-------|------|----------|----------|----------|----------|----------|----|
| Sample ID:   | PZ-04 |      |          |          |          |          |          |    |
| Sample Date: | 2004  | 2005 | Feb-2008 | Mar-2010 | Jun-2010 | Sep-2010 | Dec-2010 |    |
| BTEX (µg/L)  | ND    | ND   | ND       | ND       | ND       | ND       | ND       | ND |
| PAHs (µg/L)  | 11    | 3    | ND       | ND       | ND       | ND       | ND       | ND |

|              |            |          |          |          |          |  |
|--------------|------------|----------|----------|----------|----------|--|
| Sample ID:   | GCMW-09S-R |          |          |          |          |  |
| Sample Date: | Jul-2014   | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |  |
| BTEX (µg/L)  | 385        | 141      | 102.4    | 60.2     | 90.2     |  |
| PAHs (µg/L)  | 2,482      | 1,670    | 946.5    | 1,047    | 752.3    |  |

|              |       |      |          |          |          |          |          |          |
|--------------|-------|------|----------|----------|----------|----------|----------|----------|
| Sample ID:   | PZ-06 |      |          |          |          |          |          |          |
| Sample Date: | 2004  | 2005 | Feb-2008 | Mar-2010 | Jun-2010 | Sep-2010 | Oct-2010 | Jul-2011 |
| BTEX (µg/L)  | ND    | ND   | ND       | ND       | ND       | ND       | ND       | NS       |
| PAHs (µg/L)  | ND    | 3    | ND       | ND       | ND       | ND       | ND       | NS       |

|              |          |          |          |          |          |          |          |          |          |
|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Sample ID:   | PZ-06    |          |          |          |          |          |          |          |          |
| Sample Date: | Jan-2012 | Jul-2012 | Jan-2013 | Jul-2013 | Jul-2014 | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |
| BTEX (µg/L)  | NS       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       |
| PAHs (µg/L)  | NS       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       |

|              |          |      |          |          |          |          |          |          |
|--------------|----------|------|----------|----------|----------|----------|----------|----------|
| Sample ID:   | GCMW-12S |      |          |          |          |          |          |          |
| Sample Date: | 2004     | 2005 | Feb-2008 | Mar-2010 | Jun-2010 | Sep-2010 | Dec-2010 | Jul-2011 |
| BTEX (µg/L)  | ND       | ND   | ND       | ND       | ND       | ND       | ND       | ND       |
| PAHs (µg/L)  | 6        | 1    | ND       | ND       | ND       | ND       | ND       | ND       |

|              |          |          |          |          |          |          |          |          |          |
|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Sample ID:   | GCMW-12S |          |          |          |          |          |          |          |          |
| Sample Date: | Jan-2012 | Jul-2012 | Jan-2013 | Jul-2013 | Jul-2014 | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |
| BTEX (µg/L)  | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       |
| PAHs (µg/L)  | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       |

|              |       |      |          |          |          |          |         |          |
|--------------|-------|------|----------|----------|----------|----------|---------|----------|
| Sample ID:   | PZ-05 |      |          |          |          |          |         |          |
| Sample Date: | 2004  | 2005 | Feb-2008 | Mar-2010 | Jun-2010 | Sep-2010 | 10/1/10 | Jul-2011 |
| BTEX (µg/L)  | ND    | ND   | ND       | ND       | ND       | ND       | ND      | NS       |
| PAHs (µg/L)  | ND    | ND   | ND       | ND       | ND       | ND       | ND      | NS       |

|              |          |          |          |          |          |          |          |          |          |
|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Sample ID:   | PZ-05    |          |          |          |          |          |          |          |          |
| Sample Date: | Jan-2012 | Jul-2012 | Jan-2013 | Jul-2013 | Jul-2014 | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |
| BTEX (µg/L)  | NS       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       |
| PAHs (µg/L)  | NS       | ND       | ND       | ND       | ND       | ND       | ND       | 1.9      | 1.2      |



|              |          |      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|--------------|----------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Sample ID:   | GCMW-111 |      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| Sample Date: | 2004     | 2005 | Feb-2008 | Mar-2010 | Jun-2010 | Sep-2010 | Dec-2010 | Jul-2011 | Jan-2012 | Jul-2012 | Jan-2013 | Jul-2013 | Jul-2014 | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |
| BTEX (µg/L)  | 1,062    | 275  | ND       | 21       | 34       | 47       | 23       | 12       | 13       | 5        | 4        | 6        | 4        | 2        | 139      | 38.63    | 384      |
| PAHs (µg/L)  | 1,488    | 16   | 5        | ND       | ND       | 617      | ND       | ND       | 529      | 550      | 378      | 500      | 212      | 167      | 680.7    | 6.4      | 1051.9   |

|              |          |          |          |          |          |
|--------------|----------|----------|----------|----------|----------|
| Sample ID:   | GCMW-212 |          |          |          |          |
| Sample Date: | Jul-2014 | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |
| BTEX (µg/L)  | ND       | ND       | ND       | ND       | 10.28    |
| PAHs (µg/L)  | 1        | 10       | ND       | ND       | ND       |

|              |          |      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|--------------|----------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Sample ID:   | GCMW-08D |      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| Sample Date: | 2004     | 2005 | Feb-2008 | Mar-2010 | Jun-2010 | Sep-2010 | Dec-2010 | Jul-2011 | Jan-2012 | Jul-2012 | Jan-2013 | Jul-2013 | Jul-2014 | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |
| BTEX (µg/L)  | ND       | ND   | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | 3        | ND       | ND       | ND       | ND       | ND       | 15       |
| PAHs (µg/L)  | 10       | ND   | ND       | ND       | ND       | ND       | ND       | ND       | 230      | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       |

- LEGEND:**
- PROPERTY BOUNDARY
  - FORMER STRUCTURES (REMOVED OR DESTROYED)
  - MONITORING WELL
  - RECOVERY WELL
  - PIEZOMETER
  - MONITORING WELL (ABANDONED OR DESTROYED)
  - PIEZOMETER (ABANDONED OR DESTROYED)
  - NS NOT SAMPLED
  - ND NOT DETECTED
  - PAHs POLYCYCLIC AROMATIC HYDROCARBONS
  - BTEX BENZENE, TOLUENE, ETHYLBENZENE, XYLENE
  - \* NOT SAMPLED DUE TO MEASURABLE LEVELS OF DNAPL
  - Q3 2018 INDIVIDUAL BTEX OR PAH CONCENTRATION EXCEEDS NYSAWQS

|              |          |          |          |          |          |
|--------------|----------|----------|----------|----------|----------|
| Sample ID:   | GCMW-202 |          |          |          |          |
| Sample Date: | Jul-2014 | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |
| BTEX (µg/L)  | ND       | ND       | ND       | ND       | ND       |
| PAHs (µg/L)  | ND       | ND       | ND       | ND       | ND       |

|              |          |          |          |          |          |
|--------------|----------|----------|----------|----------|----------|
| Sample ID:   | GCMW-201 |          |          |          |          |
| Sample Date: | Jul-2014 | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |
| BTEX (µg/L)  | 2        | ND       | ND       | ND       | ND       |
| PAHs (µg/L)  | 997      | 58       | 9.54     | 13.15    | ND       |

|              |        |      |          |          |          |          |          |
|--------------|--------|------|----------|----------|----------|----------|----------|
| Sample ID:   | PZ-01A |      |          |          |          |          |          |
| Sample Date: | 2004   | 2005 | Feb-2008 | Mar-2010 | Jun-2010 | Sep-2010 | Dec-2010 |
| BTEX (µg/L)  | 223    | 116  | 4        | ND       | ND       | ND       | ND       |
| PAHs (µg/L)  | 581    | 199  | 7        | 2        | ND       | ND       | ND       |

|              |          |      |          |          |          |          |          |
|--------------|----------|------|----------|----------|----------|----------|----------|
| Sample ID:   | GCMW-09I |      |          |          |          |          |          |
| Sample Date: | 2004     | 2005 | Feb-2008 | Mar-2010 | Jun-2010 | Sep-2010 | Dec-2010 |
| BTEX (µg/L)  | 38       | 9    | 35       | ND       | ND       | 1        | ND       |
| PAHs (µg/L)  | 1,564    | 633  | 281      | 55       | 342      | 286      | 22       |

|              |            |          |          |          |          |
|--------------|------------|----------|----------|----------|----------|
| Sample ID:   | GCMW-09I-R |          |          |          |          |
| Sample Date: | Jul-2014   | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |
| BTEX (µg/L)  | 6          | ND       | ND       | ND       | ND       |
| PAHs (µg/L)  | 157        | 148      | 1.1      | ND       | 0.95     |

|              |          |          |          |          |          |
|--------------|----------|----------|----------|----------|----------|
| Sample ID:   | GCMW-221 |          |          |          |          |
| Sample Date: | Jul-2014 | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |
| BTEX (µg/L)  | 4        | ND       | ND       | ND       | ND       |
| PAHs (µg/L)  | 26       | 8        | ND       | ND       | ND       |

|              |          |          |          |          |          |
|--------------|----------|----------|----------|----------|----------|
| Sample ID:   | GCMW-222 |          |          |          |          |
| Sample Date: | Jul-2014 | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |
| BTEX (µg/L)  | ND       | ND       | ND       | ND       | ND       |
| PAHs (µg/L)  | ND       | ND       | ND       | ND       | ND       |

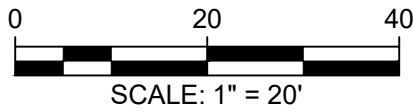
|              |          |      |          |          |          |          |          |
|--------------|----------|------|----------|----------|----------|----------|----------|
| Sample ID:   | GCMW-14I |      |          |          |          |          |          |
| Sample Date: | 2004     | 2005 | Feb-2008 | Mar-2010 | Jun-2010 | Sep-2010 | Dec-2010 |
| BTEX (µg/L)  | ND       | ND   | ND       | ND       | ND       | ND       | ND       |
| PAHs (µg/L)  | 10       | ND   | ND       | ND       | ND       | 1        | ND       |

|              |            |          |          |          |          |
|--------------|------------|----------|----------|----------|----------|
| Sample ID:   | GCMW-14I-R |          |          |          |          |
| Sample Date: | Jul-2014   | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |
| BTEX (µg/L)  | ND         | ND       | ND       | ND       | ND       |
| PAHs (µg/L)  | ND         | ND       | ND       | ND       | ND       |

|              |          |      |          |          |          |          |          |          |
|--------------|----------|------|----------|----------|----------|----------|----------|----------|
| Sample ID:   | GCMW-10I |      |          |          |          |          |          |          |
| Sample Date: | 2004     | 2005 | Feb-2008 | Mar-2010 | Jun-2010 | Sep-2010 | Dec-2010 | Jun-2011 |
| BTEX (µg/L)  | ND       | ND   | ND       | ND       | ND       | ND       | ND       | ND       |
| PAHs (µg/L)  | ND       | ND   | ND       | ND       | ND       | ND       | ND       | ND       |

|              |            |          |          |          |          |
|--------------|------------|----------|----------|----------|----------|
| Sample ID:   | GCMW-10I-R |          |          |          |          |
| Sample Date: | Jul-2014   | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |
| BTEX (µg/L)  | ND         | ND       | ND       | ND       | ND       |
| PAHs (µg/L)  | ND         | ND       | 2.3      | ND       | ND       |

|              |          |      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|--------------|----------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Sample ID:   | GCMW-13I |      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| Sample Date: | 2004     | 2005 | Feb-2008 | Mar-2010 | Jun-2010 | Sep-2010 | Dec-2010 | Jul-2011 | Jan-2012 | Jul-2012 | Jan-2013 | Jul-2013 | Jul-2014 | Feb-2016 | Mar-2018 | Jun-2018 | Sep-2018 |
| BTEX (µg/L)  | 438      | 25   | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | ND       | 21       | 261.8    | 292.9    | 464.2    |          |
| PAHs (µg/L)  | 3,748    | 48   | ND       | 25       | ND       | 9        | ND       | ND       | 16       | 13       | 19       | 10       | 4        | 65       | 3,181    | 3,710    | 6,120    |



Groundwater Monitoring Report - Q3 2018  
Glen Cove Former MGP Site  
Glen Cove, New York

**nationalgrid**



Project 093270

GROUNDWATER  
ANALYTICAL RESULTS -  
INTERMEDIATE WELLS

December 2018

Fig. 6