



October 16, 2018

Geotechnical  
Environmental  
Water Resources  
Ecological

Mr. David Szymanski  
Project Manager  
New York State Department of Environmental Conservation  
Division of Environmental Remediation  
270 Michigan Avenue – 3<sup>rd</sup> Floor  
Buffalo, New York 14203

**Subject: Site Management Periodic Review Report and IC/EC Certification  
Submittal  
Mineral Springs Road MGP Site (NYSDEC Site #V00195)**

Dear Mr. Szymanski:

On behalf of National Fuel Gas (NFG), GEI Consultants, Inc. P.C. (GEI) is submitting the attached Periodic Review Report and IC/EC Certification Submittal for the via email transmittal. A hardcopy will follow via UPS.

Please contact Mr. Brad Walker of NFG at 716-857-7247 if you have any questions.

Sincerely yours,  
GEI CONSULTANTS, INC., P.C.

A handwritten signature in black ink, appearing to read "R. Frappa".

Richard H. Frappa, P.G.  
Senior Consultant

A handwritten signature in black ink, appearing to read "Kelly R. McIntosh".

Kelly R. McIntosh, Ph.D., P.E.  
Senior Consultant

Enclosure

cc: C. Staniszewski, NYSDEC (1 electronic copy - email)  
B. Walker (1 hardcopy - UPS, 1 electronic copy - email)  
T. Alexander (1 electronic copy – email)



Consulting  
Engineers and  
Scientists

## Site Management Periodic Review Report and IC/EC Certification (2018)

NFG - Mineral Springs MGP - Site No. V00195  
West Seneca, New York

**Submitted to:**

New York State Department of Environmental Conservation  
Division of Environmental Remediation, Region 9  
Buffalo, New York

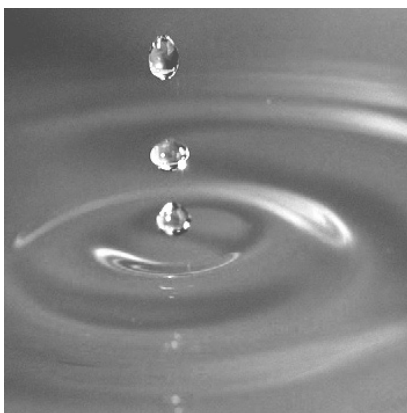
**Submitted by:**

GEI Consultants, Inc., P.C.  
90B John Muir Drive, Suite 104  
Amherst, NY 14228

**On behalf of:**

National Fuel Gas Distribution Corporation  
Williamsville, New York 14221

October 2018  
Project 1801042



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Richard H. Frappa, P.G.  
Senior Consultant

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Kelly R. McIntosh, P.E., Ph.D.  
Senior Consultant

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# 1. Executive Summary

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GEI Consultants, Inc., P.C. (GEI) was retained to conduct and prepare the 2018 Site Management Periodic Review Report (PRR) and IC/EC Certification submittal for the Mineral Springs Road Former Manufactured Gas Plant (MGP) Site located in West Seneca, New York. This PRR presents and evaluates the results of operation and maintenance (O&M) activities performed at the site over the past year and since completion of remedial actions. The O&M activities include visual inspections of remediated areas, semiannual groundwater and surface water quality monitoring, manual checks on DNAPL recovery from well RTW-1, and cap maintenance activities.

In conducting this periodic review, GEI reviewed the components of the O&M Plan established for the site in May 2002 (serves as the Site Management Plan or {SMP}) to determine proper implementation of the O&M Plan activities for the compliance period September 16, 2017 to September 16, 2018. GEI has determined the following:

- ICs/ECs have been in place and effective.
- Inspections were performed as required.
- Groundwater and surface water monitoring (including mobile DNAPL recovery) was implemented as required.

Based upon the inspections and compliance with the O&M Plan, the site remedy continues to meet the remedial objectives for the site.

Recommendations for 2019 include:

- Discontinue the additional sampling and analysis for total and free cyanide at surface water sample locations SW-3 through SW-5 as no correlation has been observed.
- Monitoring of total and free cyanide concentration trends at well MW-16 and its effect on surface water quality at SW-1.
- Continued cap maintenance and repair (where necessary) including integrity upkeep of storm water catch basins penetrating asphalt caps.

## **2. Site Overview**

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### **2.1 Site Description**

The Site is currently an active National Fuel Gas (NFG or National Fuel) service center consisting of approximately 81 acres and includes seven active buildings, numerous parking areas, pipeline equipment and staging areas, and undeveloped areas. The Site location and Site layout are shown in Figures 1 and 2, respectively.

NFG completed remedial construction which included source removal and containment in 2001 under a Voluntary Cleanup Agreement (VCA) No. B9-0538-98-08 between NFG and the New York State Department of Environmental Conservation (NYSDEC). Remedial and engineering control features include perimeter fencing, six asphalt caps, a clay cap, an HDPE cap, and a capped drainage feature consisting of both clay and HDPE caps. National Fuel performs operations and maintenance activities for the remedy in accordance with the Final Engineering Report, Volume II – Operations and Maintenance Plan, dated May 2002 (O&M Plan).

### **2.2 Site Conditions and Investigation History**

The Site is relatively flat-lying. An unnamed surface water drainage feature, designated as a Class D stream, is situated along the southern site boundary and flows in a westward direction. The stratigraphy of the site in order of occurrence is:

- soil fill (4 to 8 feet in thickness);
- approximately 10 feet of a laterally extensive clay (referred to as the upper confining clay layer {UCL});
- silt, sand, and gravel; and
- a lower confining clay layer (LCL), and bedrock.

Overburden groundwater is typically encountered 5 to 12 feet below ground surface and fluctuates approximately 2 feet seasonally. Overburden groundwater flow is generally to the north and northwest toward Mineral Springs Road, Calais Street, and the Buffalo River. Average overburden groundwater velocity across the site was estimated to be approximately 0.06 feet per day (22 feet per year). Typical groundwater flow directions are shown on Figure 3.

In 1990 and 1995, investigations and soil remediation activities were performed near an oil-water separator pit in the central area of the site. In 1997 and 1998, a Preliminary Site Assessment (PSA) and a follow-up PSA Addendum were conducted. The assessments concluded that soil

and groundwater at the site were impacted by MGP residues including dense non-aqueous phase liquids (DNAPL) and purifier waste materials containing cyanide.

## 2.3 Site Remedial Program Summary

An interim remedial measure (IRM) was conducted at the Site in December 1997 and 407 tons of purifier residuals were removed from the southwest corner of the Site. On August 4, 1998 NFG submitted a Voluntary Cleanup Agreement (VCA) program application (VCA number B9-0538-98-08) which was executed by NFG and NYSDEC (November 7, 1999). A Remedial Design Work Plan was subsequently prepared and implemented and the following remedial tasks were completed in 2002:

- Excavation and proper off-site disposal of 32,200 tons of contaminated soil, rubble, and purifier waste.
- Construction of engineering controls including 39,369 square feet of clay cap, 76,144 square feet of geomembrane and 130,890 square feet of asphalt cap over areas where purifier waste was located.
- Capping of hydrocarbon seeps within the Eastern Drainage Ditch (EDD), including construction of 640 linear feet of geosynthetic cap and 750 linear feet of clay cap.
- Installation of additional chain link security fence around the site perimeter.
- Implementation of site use and deed restrictions.
- Collection, treatment, and disposal of 207,000 gallons of contaminated groundwater.

Details of the remedial actions are presented in the Final Engineering Report (FER) prepared by The RETEC Group (May 2002).

Following remedial activities completed in 2002, bluish stained soils near Building 3 were identified and investigated in 2008 and a 24,000 square foot asphalt cap was installed immediately to the east of the existing building (Building 3 East Asphalt Cap {B3EAC}). Work to install the cap in the area occurred in June and July 2008. The new cap was designated as the Building 8 West Asphalt Cap (B8WAC). In July 2013, soil impacted with purifier wastes was observed in the southwestern corner of the site, outside of the perimeter fence on the western and southwestern site boundaries, near residential properties on Calais Street. NFG completed a series of Corrective Measure (CM) activities in the area where impacts were observed. CM activities to address purifier waste impacted soils in the southwest corner near the west property line were implemented in November 2013. CM activities to remove fill materials that exceeded the NYSDEC Residential Soil Cleanup Objectives were implemented in October 2014. Remedial areas are shown on Figure 2.

## 2.4 O&M Plan

O&M requirements for the Site are documented in the NYSDEC-approved O&M Plan dated May 2002 which also serves as the SMP for the site. Components of the SMP for the Mineral Springs Site include:

| Activity                                    | Frequency            | Description   | Notes   |
|---|----------------------|---|---|
| Groundwater/<br>Surface Water<br>Monitoring | Semiannual           | Groundwater and surface water quality monitoring (see Table 1).   | Frequency reduced from 3Xs to 2Xs/year in 2005 with NYSDEC approval.      |
| DNAPL Recovery Test Well                    | Semiannual           | DNAPL recovery from well RTW-1.   | Manual periodic removal since 2002 as de minimis volume is recovered.     |
| Site Inspections                            | Annual               | Maintenance and inspection of the following remedial components: <ul style="list-style-type: none"> <li>• Clay, geomembrane, asphalt caps</li> <li>• Evidence of MGP residuals</li> <li>• Site perimeter fencing</li> <li>• Stream bordering south property line</li> </ul> |   |
| Reporting                                   | Semiannual<br>Annual | Groundwater and Surface Water Monitoring Report<br>PRR (O&M)  | Beginning in 2011, a PRR is submitted to meet NYSDEC DER-10 requirements. |

These O&M requirements were conducted between September 16, 2017 and September 16, 2018.



### **3. Remedy Performance Evaluation**

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The objectives of the remedial actions completed at the Site include the following: 1. Prevent human contact with compounds of concern (COCs) in soil and sediment; 2. Prevent human contact or ingestion of COCs in groundwater; and 3. Prevent leaching of COCs from MGP residuals in soil to groundwater and surface water.

The remedial action objectives were achieved through implementation of engineering controls (ECs) through soil removal (excavation) and capping areas where MGP residuals remain in place. Additionally, implementation of institutional controls (ICs) effectively limit site use to minimize human exposure to COCs.

The remedial performance is evaluated based on implementation of activities described in Section 2.4 which consisted of the following activities taking place between September 16, 2017 and September 16, 2018:

- Annual inspection on April 25, 2018.
- Groundwater monitoring events on April 17-18, 2018 and August 14-15, 2018.
- Submittal of groundwater and surface water monitoring reports on July 12, 2018 and September 26, 2018.
- 2018 cap maintenance activities:
  - Mowing of Eastern Swale High-Density Polyethylene (HDPE) Cap (ESHC) and Clay Cap (CC); and
  - Repair (asphalt patching and re-sealing) to Building 3 South Asphalt Cap (B3SAC).

Other environmental activities which were completed at the Mineral Springs Site in the period covered by this report included continuation of free cyanide analysis in surface water samples and monitoring well MW-11A.

#### **3.1 Annual Site Inspection**

The 2018 annual inspection of the Mineral Springs Former MGP was conducted by Mr. Kelly McIntosh, P.E. of GEI on April 25, 2018. Brad Walker (National Fuel Gas), Dave Szymanski (NYSDEC) and Michael Cummings P.G. (GEI) were also in attendance and participated in the

walk-through. Annual inspection findings with photographs are provided in the technical memorandum included in Appendix A.

The inspection summary with maintenance recommendations is provided below for each of the caps.

### **Clay Caps**

Eastern Drainage Ditch (EDDCC): No blue stained soil or bank erosion was observed. An animal burrow was observed. See discussion in Section 3.4 concerning maintenance following the inspection.

Clay Cap South of Building 14 (B14CC): No blue stained soil or erosion was observed. The subsidence associated with the collapse of the storm sewer on adjacent NS Railroad property appears stable.

### **HDPE Caps**

Eastern Drainage Ditch (EDDHC): No blue stained soil or bank erosion was observed. No animal burrows were observed.

Eastern Swale (ESHC): No blue stained soil or edge erosion was observed. No animal burrows were observed.

### **Asphalt Caps**

Eastern Swale North (ESNAC): No blue stained soil or edge erosion was observed. Minor surface cracks in the sealant but none requiring immediate action.

Eastern Swale South (ESSAC): No blue stained soil or edge erosion was observed. Minor surface cracks in the sealant but none requiring immediate action.

Building 10 Asphalt Cap (B10AC): This cap was repaired in 2017 and remains free of cracks. No blue stained soil or edge erosion was observed.

Building 3 South Asphalt Cap (B3SAC): No blue stained soil or edge erosion was observed. Surface cracks and minor asphalt repairs and sealing are required for 2018 maintenance.

B3SAC repairs, which include asphalt material patching and re-sealing, were performed in 2018 under the direction of NFG (photos below).



East view of B3SAC asphalt material repair and re-sealing.



Northeast view of B3SAC asphalt material repair and re-sealing.

Building 3 East Asphalt Cap (B3EAC): No blue stained soil or edge erosion was observed. Minor surface cracks in the sealant but none requiring immediate action.

Building 8 West Asphalt Cap (B8WAC): No blue stained soil or edge erosion was observed. Cap repairs which include asphalt material repairs and re-sealing were performed in 2018 under the direction of NFG (photos below).



East view of B8WAC and B3EAC re-sealing of asphalt.



North view of B8WAC repair and re-sealing.

## **Other Areas**

Backfill in formerly excavated areas was intact and no subsidence or ponding of surface water was observed. No hydrocarbon sheens were observed in the Class D Stream.

Recommendations for Asphalt Cap repairs described in Appendix A were addressed in September of 2018.

## **3.2 Groundwater and Surface Water Quality Monitoring**

Groundwater and surface water quality monitoring results for the April and August 2018 semiannual monitoring events were documented in reports submitted to the NYSDEC on July 12, 2018 and September 26, 2018. GEI submitted an EQuIS format electronic data delivery (EDD) file to the NYSDEC on September 24, 2018. NYSDEC acknowledged EDD acceptable data receipt in an email dated September 25, 2018.

A historical summary of Site analytical results inclusive of 2018 semiannual monitoring events is provided in Appendix B. Observations from groundwater and surface monitoring results follows:

**Groundwater Flow** – Heads across the Site fluctuate seasonally approximately two feet. The groundwater flow direction occurred predominantly in a north and west direction in 2018 during both monitoring events and was consistent with prior monitoring. The measured surface water elevations in 2018 in the Class D stream at SW-02 were higher than heads in nearby well MW-11A indicating “losing stream conditions” where groundwater is recharged by surface water infiltrating at the base grade of the stream. These conditions can create a hydraulic barrier to groundwater flow in a south direction from the Site.

**COCs in Groundwater and Surface Water** - Observations from 2018 groundwater and surface water monitoring are summarized below.

### *On-Site Wells In or Near Capped Areas:*

- BTEX compounds detected in on-site wells near capped areas are at concentrations similar to those detected in recent years. Stable to declining benzene concentrations is observed from historic data in some wells.
- Low concentrations of PAHs were detected above water quality comparison criteria in on-site wells near capped areas. The detected concentrations were consistent with historical analytical data.
- Total cyanide concentrations were lower in monitoring MW-12 and higher in wells MW-11A and MW-16 when compared with the April 2018 sampling event. Monitoring well

MW-11A has only been analyzed for total cyanide since August 2017 and a long-term concentration trend cannot yet be evaluated.

- The total cyanide concentration at MW-16 during both events in 2018 was above the historical range of detected concentrations. The free cyanide concentration at the well in 2018 was lower than the August 2017 sampling event and within the historic range of concentrations detected since 2012. An increasing trend in total cyanide concentration was identified. The long-term concentration trend will continue to be evaluated. As summarized below, no apparent impact has been identified at surface water sample location SW-1 which is adjacent to the Clay Cap and there are no receptors for the groundwater.

*Wells at Site Perimeter:*

- Among the downgradient perimeter wells tested in 2018, BTEX compounds were either not detected or detected above groundwater quality comparison criteria. Trace level concentrations of several individual PAH compounds (benzo(a)pyrene, benzo(b)fluoranthene, benzo(k) fluoranthene, and chrysene) were detected above water quality comparison criteria in well MW-23; however, total PAH concentrations were within the range of historic detections at the site.
- Total cyanide was detected in downgradient perimeter wells MW-14, MW-20, MW-21, MW-22 and MW-23 at concentrations above water quality comparison criteria (200 µg/L). Total cyanide concentrations detected in the monitoring wells in 2018 were within historical ranges.
- Free cyanide was not detected in downgradient perimeter wells in 2018 at MW-14, MW-20, MW-21, and MW-23. Free cyanide was detected during the August 2018 event in the duplicate sample at MW-13 (1.6 µg/L – the original sample was non-detect) and at MW-22 (7.6 µg/L). Free cyanide was not detected in these wells during the April 2018 event. The detected concentrations were within the historical range at both locations and increasing trends were not identified.

*Surface Water:*

- BTEX and PAH compounds were below NYSDEC comparison criteria for ambient surface water quality in surface water in 2018.
- Total and free cyanide concentrations were below NYSDEC comparison criteria for ambient surface water quality in surface water in 2018. Supplemental surface water samples SW-3 through SW-5 were also below comparison criteria. An increasing trend in cyanide concentrations was not identified.
- An apparent correlation between TDS or TSS with total cyanide concentration was not identified in 2018.

- Considering the higher total cyanide concentrations in groundwater at on-site well MW-16 near surface water sampling location SW-1, total and free cyanide concentration trends remain stable in the downstream sample.

### **3.3 DNAPL Recovery System**

On April 18 and August 15, 2018, the Recovery System at RTW-1 was gauged using a threaded steel rod to assess DNAPL accumulation. No visual staining was observed on the rod bottom. Rigid tubing was lowered to the base of the well and pumped using peristaltic methods. Approximately two liters of water were evacuated. The water contained only trace DNAPL in the form of “blebs”, visually estimated to be less than 1% of total volume. No discrete layer of DNAPL was observed to form in the evacuated water. Based on the testing performed, DNAPL accumulation was not identified in 2018.

### **3.4 Cap Maintenance**

Various cap maintenance activities occurred in 2018. The Eastern Swale HDPE Cap and Clay Cap were mowed in September 2018. A trapping contractor was hired to trap a groundhog assumed to have created the burrow in the Eastern Drainage Ditch Clay Cap. The contractor did not capture the groundhog and no evidence of recent activity was observed in September 2018 as the burrow had naturally filled in. Asphalt cap repairs and resealing were conducted in September 2018 at the B3SAC and B8AC asphalt caps in the areas of Building 3 and former Building 8.

## **4. IC/EC Compliance**

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### **4.1 IC/EC Requirements**

ICs include the following;

- Compliance with VCA No. B9-0538-98-08 between NFG and the New York State Department of Environmental Conservation (NYSDEC).
- Implementation of the Site O&M Plan (2002).
- Monitoring and inspection to assess the performance and effectiveness of the remedy.

The Site is a secure service center owned by NFG with restricted property access.

ECs include the following;

- Contaminated soil/MGP residual removal and in-place capping consisting of various clay, HDPE, and asphalt cover systems.
- Maintenance of the cover systems.
- Groundwater and surface water quality monitoring.
- Collection of mobile DNAPL at RTW-1.

### **4.2 IC/EC Compliance**

The NYSDEC-approved O&M Plan is in place. All required inspections, monitoring, and maintenance activities were performed during this reporting period in accordance with the plan and subsequent NYSDEC-approved modifications.

### **4.3 IC/EC Certification**

The IC/EC Certification is included in Appendix C.

## 5. Conclusions and Recommendations

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Each component of the O&M Plan dated May 2002 and amendments, collectively regarded as the SMP, were in compliance for the reporting period September 16, 2017 to September 16, 2018. The ICs/ECs have been in place and effective and inspections, monitoring, and maintenance were performed as required.

Based upon the inspections and compliance with the SMP, the site remedy continues to meet the remedial objectives for the site.

The NYSDEC-requested sampling of additional surface water sample locations SW-3 through SW-5 with total and free-cyanide analysis was implemented in 2018. Since no correlation of total and free-cyanide detection was identified, sampling of these additional locations will be discontinued in 2019. The total and free cyanide concentrations at well MW-16 should be monitored for trends and its effect, if any, on surface water quality at SW-1 evaluated in 2019. GEI recommends continued cap maintenance and repair where necessary for the reporting period September 16, 2018 to September 16, 2019 including integrity upkeep of storm water catch basins penetrating asphalt caps.



## Tables

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**Table 1. 2018 Semiannual Monitoring Summary**  
**Mineral Springs Road MGP Site**  
**National Fuel Gas Distribution Corporation**  
**West Seneca, New York**

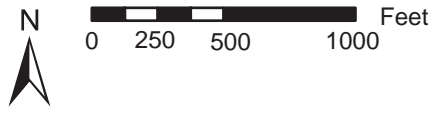
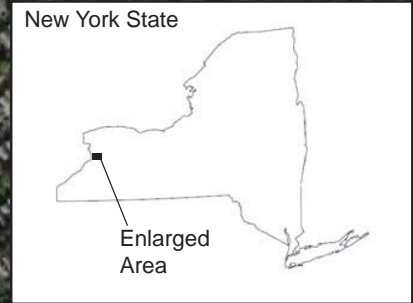
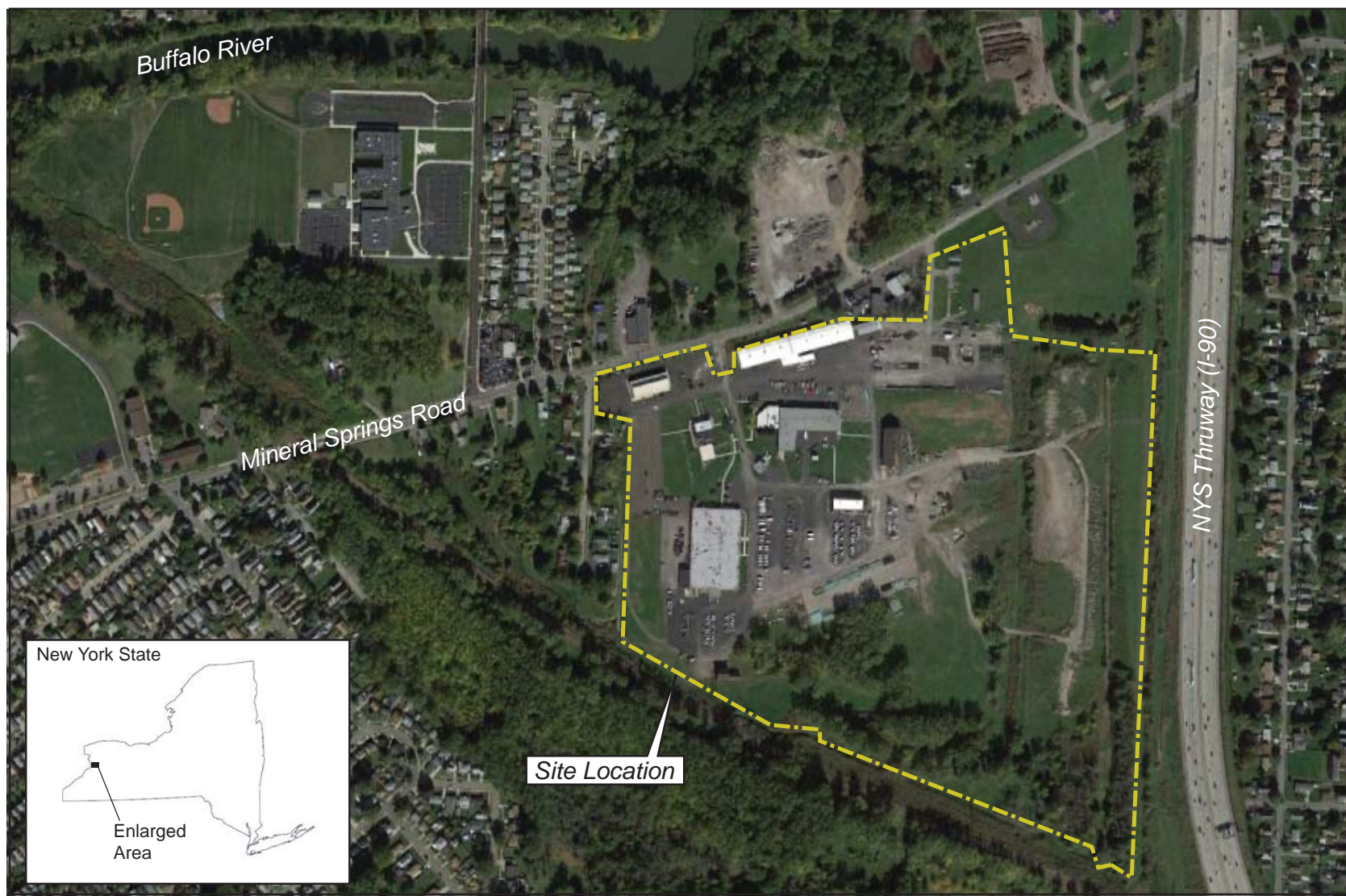
| Location  | Cyanide, Total<br>USEPA<br>SW846<br>9014 | Cyanide, Free<br>USEPA<br>SW846<br>9016 | BTEX<br>USEPA<br>SW846<br>8260C | PAHs<br>USEPA<br>SW846<br>8270D | TDS/TSS<br>SM<br>2540C/2540D | Specific Conductivity<br>Field<br>Measurement | Water Elevation | Benchmark Elevation<br><br>(ft. MSL, top of PVC casing) |
|---|--|---|---------------------------------|---------------------------------|------------------------------|---|-----------------|---|
| <b>Upgradient Site Perimeter</b>                |  |   |                                 |                                 |                              |   |                 |   |
| MW-17   | x  | x                                       | x                               | x                               |                              | x   | x               | 587.28  |
| <b>Downgradient Site Perimeter</b>              |  |   |                                 |                                 |                              |   |                 |   |
| MW-13   | x  | x                                       | x                               | x                               |                              | x   | x               | 591.85  |
| MW-14   | x  | x                                       |                                 |                                 |                              | x   | x               | 589.53  |
| MW-15   |  |   |                                 |                                 |                              |   | x               | 590.93  |
| MW-20   | x  | x                                       |                                 |                                 |                              | x   | x               | 587.06  |
| MW-21   | x  | x                                       |                                 |                                 |                              | x   | x               | 587.84  |
| MW-22   | x  | x                                       |                                 |                                 |                              | x   | x               | 592.50  |
| MW-23   | x  | x                                       | x                               | x                               |                              | x   | x               | 589.28  |
| <b>Onsite Purifier Residuals Impacted Areas</b> |  |   |                                 |                                 |                              |   |                 |   |
| MW-12   | x  | x                                       |                                 |                                 |                              | x   | x               | 591.40  |
| MW-16   | x  | x                                       |                                 |                                 |                              | x   | x               | 588.99  |
| <b>Onsite Hydrocarbon Impacted Areas</b>        |  |   |                                 |                                 |                              |   |                 |   |
| MW-07   |  |   | x                               | x                               |                              | x   | x               | 587.01  |
| MW-10   |  |   | x                               | x                               |                              | x   | x               | 587.61  |
| MW-11A <sup>2</sup>                             | x <sup>2</sup>                           | x <sup>2</sup>                          | x                               | x                               | x <sup>2</sup>               | x   | x               | 589.78  |
| MW-19   |  |   | x                               | x                               |                              | x   | x               | 589.83  |
| <b>Onsite Surface Water</b>                     |  |   |                                 |                                 |                              |   |                 |   |
| SW-01 <sup>2</sup>                              | x  | x                                       | x                               | x                               | x <sup>2</sup>               | x <sup>2</sup>                                | x               | top of headwall = 587.0                                 |
| SW-02 <sup>2</sup>                              | x  | x                                       | x                               | x                               | x <sup>2</sup>               | x <sup>2</sup>                                | x <sup>2</sup>  | MW-11A ref. pt  |
| SW-03 <sup>2</sup>                              | x <sup>2</sup>                           | x <sup>2</sup>                          |                                 |                                 | x <sup>2</sup>               | x <sup>2</sup>                                |                 |   |
| SW-04 <sup>2</sup>                              | x <sup>2</sup>                           | x <sup>2</sup>                          |                                 |                                 | x <sup>2</sup>               | x <sup>2</sup>                                |                 |   |
| SW-05 <sup>2</sup>                              | x <sup>2</sup>                           | x <sup>2</sup>                          |                                 |                                 | x <sup>2</sup>               | x <sup>2</sup>                                |                 |   |
| <b>QA/QC Samples (frequency)</b>                |  |   |                                 |                                 |                              |   |                 |   |
| Trip Blank                                      |  |   | x                               |                                 |                              |   |                 | (one per shipment)                                      |
| Field Duplicate                                 | x  | x                                       | x                               | x                               |                              |   |                 | (one per event)   |
| Equipment Blank                                 | x  | x                                       | x                               | x                               |                              |   |                 | (one per event)   |
| <b>DNAPL Recovery</b>                           |  |   |                                 |                                 |                              |   |                 |   |
| RTW-1   |  |   |                                 |                                 | No Sample Collection         |   |                 | (purge well of accumulated DNAPL)                       |
| <b>Total</b>                                    | 17                                       | 17                                      | 12                              | 11                              | 12                           | 18  | 16              |   |
| Container, Preservative                         | 250 mL plastic, NaOH                     | 250 mL plastic amber, NaOH              | 40 mL VOA vial, HCl (x3)        | 250 mL glass amber, NP (x2)     | 500 mL plastic, unpreserved  |   |                 |   |

Notes:

1. Elevations are from the 2007 survey, except for MW-20, which was resurveyed in August 2009 due to a repair.
2. Supplemental sampling at this location was conducted in August 2017, April 2018 and August 2018.

## Figures

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Notes:  
Aerial Imagery Sourced from Google Maps (<http://www.maps.google.com>) dated 2016.

National Fuel Gas Corporation  
Mineral Springs Facility

West Seneca, New York



Project #1801042

SITE LOCATION

September 2018

Figure 1



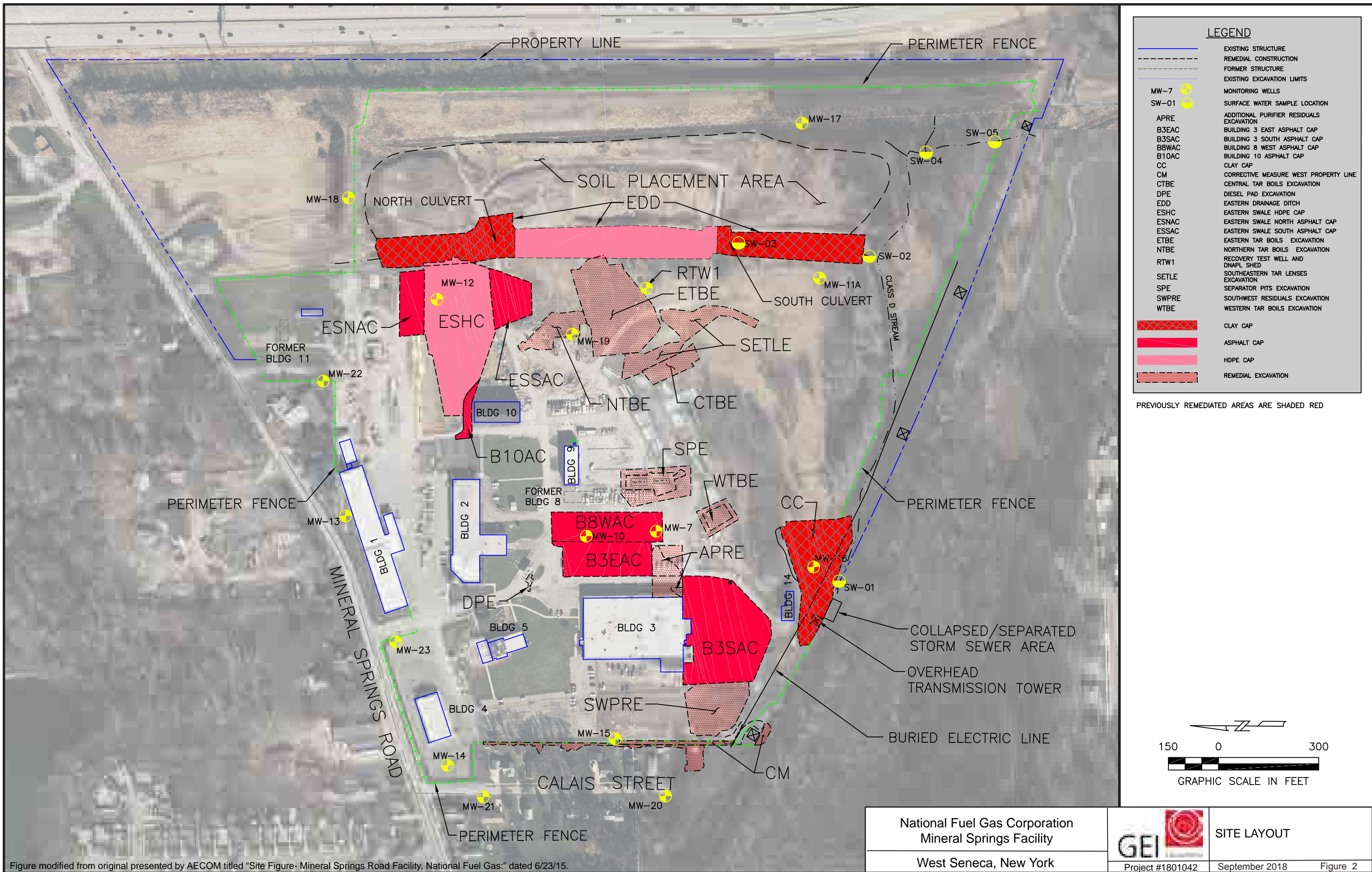
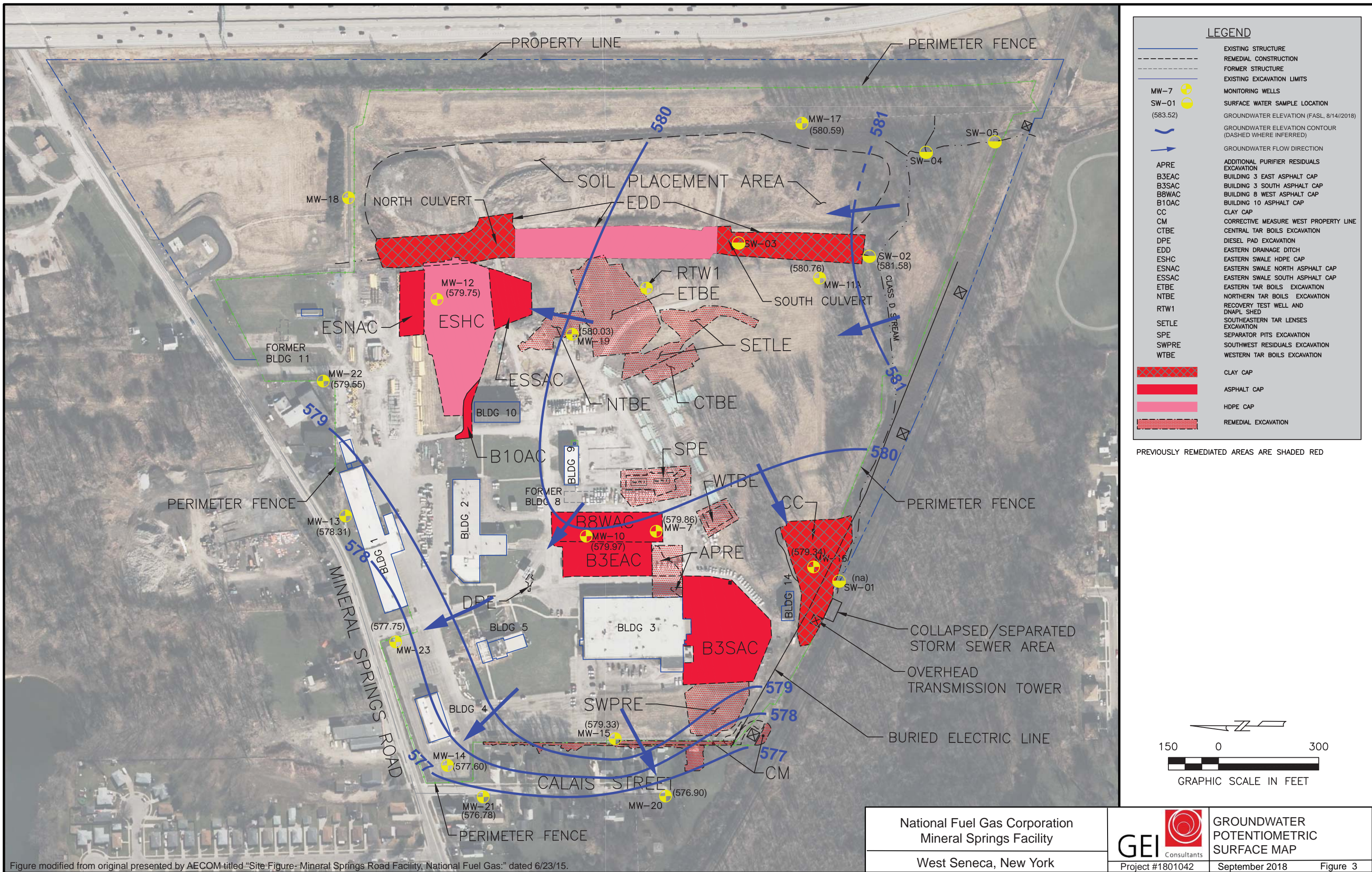


Figure modified from original presented by AECOM titled "Site Figure- Mineral Springs Road Facility, National Fuel Gas:" dated 6/23/15.







## **Appendix A**

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### **GEI April 2018 Site Inspection Memorandum**

# Memo

To: Brad Walker– National Fuel Gas  
From: Kelly McIntosh  
C: File  
Date: 5/4/2018  
Re: Field Memo – Mineral Springs Site – Annual Inspection April 25, 2018  
GEI Project No. 1403480

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Kelly McIntosh, P.E. (GEI) conducted the annual inspection of caps and covers at the Mineral Springs Site on the afternoon of April 25, 2018. Brad Walker (National Fuel Gas), Dave Szymanski (NYSDEC) and Michael Cummings (GEI) were also in attendance and participated in the walk-through. Annual inspection findings are summarized briefly below and are recorded on the attached Annual Site Inspection Form. A Periodic Review Report (PRR) will be prepared and submitted later this year.

## SUMMARY OF 2018 INSPECTION FINDINGS

No blue stained soil was observed at any location on-site. Other relevant observations at each area are presented below.

### Clay Caps

**Eastern Drainage Ditch (EDDCC):** No blue stained soil or bank erosion was observed. An animal burrow was observed (Photo 1). The capped areas were free of trees and no hydrocarbon sheens were observed. Litter, including plastic sheeting and packing material was observed throughout the area.

**Clay Cap South of Building 14 (B14CC):** No blue stained soil or erosion was observed. No animal burrows were observed. The vegetative cover was intact and free of trees and no hydrocarbon sheens were observed (Photo 2).

The subsidence associated with the collapse of the storm sewer on adjacent property appears stable relative to prior years and has not encroached to the cutoff wall or outer edge of the clay cap (as determined by soils borings implemented for the Corrective Measures Work Plan). The stone placed in the area remains intact and has not subsided or eroded.

### HDPE Caps

**Eastern Drainage Ditch (EDDHC):** No blue stained soil or bank erosion was observed. No animal burrows were observed. The HDPE area was free of trees and no hydrocarbon sheens were observed. Litter, including plastic sheeting and packing material was observed throughout the area (Photo 3).



**HDPE Cap in Eastern Swale (ESHC):** No blue stained soil or edge erosion was observed. No animal burrows were observed. The vegetative cover was intact and free of trees. The capped areas were free of trees and no hydrocarbon sheens were observed (Photo 4).

### **Asphalt Caps**

**Asphalt Cap North of Eastern Swale (ESNAC):** No blue stained soil or edge erosion was observed. Surface cracks in the sealant were abundant, but none appeared open through the asphalt wearing course layer (Photo 5).

**Asphalt Cap South of Eastern Swale (ESSAC):** No blue stained soil or edge erosion was observed. Surface cracks in the sealant were abundant, but none appeared open through the asphalt wearing course layer (Photo 6).

**Building 10 Asphalt Cap (B10AC):** This cap was recently repaired and remains free of cracks. No blue stained soil or edge erosion was observed.

**Building 3 South Asphalt Cap (B3SAC):** No blue stained soil or edge erosion was observed. Surface cracks in the sealant were abundant, and some were open into the asphalt wearing course layer (Photo 7). Some resealing or asphalt maintenance should be planned for before these cracks become deteriorated. Seams with concrete structures and catch basins should be resealed where gaps have developed.

**Building 3 East Asphalt Cap (B3EAC):** No blue stained soil or edge erosion was observed. Surface cracks in the sealant were abundant, but none appeared open through the asphalt wearing course layer (Photo 8).

**Building 8 West Asphalt Cap (B8WAC):** No blue stained soil or edge erosion was observed. Surface cracks in the sealant were abundant, but none appeared open through the asphalt wearing course layer except near a catch basin as shown on Photo 9.

### **Other Areas**

Backfill in formerly excavated areas was intact and no subsidence or ponding of surface water was observed. No hydrocarbon sheens were observed in the Class D Stream.

## **RECOMMENDATIONS**

The B3SAC area exhibits abundant surface cracking in the sealant and some were open into the asphalt wearing course layer. Resealing or asphalt maintenance should be performed before cracks become deteriorated. Seams with concrete structures and catch basins should be resealed where gaps have developed. The asphalt surrounding the storm water catch basin area at B8WAC requires repair.

# Annual Site Inspection Form

Mineral Springs Road Former MGP

Inspection by: Kelly McIntosh

Signature: *Kelly McIntosh*

Affiliation: GEI Consultants

Date: April 25, 2018

## ASPHALT CAP SOUTH OF BUILDING #3

Cracks or ruts? ☒ Yes ☐ No  
Erosion at edges? Yes ☒ No  
Blue-stained soil? Yes ☒ No

Comments:

Seams with concrete need to be resealed, some cracks need repair

## ASPHALT CAP EAST OF BUILDING #3

Cracks or ruts? ☒ Yes ☐ No  
Erosion at edges? Yes ☐ No  
Blue-stained soil? Yes ☐ No

Comments:

Surface cracking only, no open cracks through asphalt wearing course layer.

## ASPHALT CAP NORTH OF EASTERN SWALE

Cracks or ruts? ☒ Yes ☐ No  
Erosion at edges? Yes ☒ No  
Blue-stained soil? Yes ☒ No

Comments:

Surface cracking only, no open cracks

## ASPHALT CAP SOUTH OF EASTERN SWALE

Cracks or ruts? ☒ Yes ☐ No  
Erosion at edges? Yes ☒ No  
Blue-stained soil? Yes ☒ No

Comments:

Surface cracking, no open cracks

## HDPE/SOIL CAP IN EASTERN SWALE

Cracks or ruts? Yes ☒ No  
Erosion at edges? Yes ☒ No  
Blue-stained soil? Yes ☒ No

Comments:

## CLAY CAP BEHIND BUILDING #14

Animal dens/borrows? Yes ☒ No  
Erosion? Yes ☒ No  
Trees? Yes ☒ No  
Blue-stained soil? Yes ☒ No

Comments:

Storm sewer (off-site) collapse has not encroached on capped area.

## EASTERN DRAINAGE DITCH

Animal dens/borrows? ☒ Yes ☐ No *Clay cap only*  
Erosion? Yes ☒ No  
Trees? Yes ☒ No  
Blue-stained soil? Yes ☒ No  
Hydrocarbon sheen? Yes ☒ No  
Inadequate Signage? Yes ☒ No  
Trash / Debris? ☒ Yes ☐ No

Comments:

Animal burrow visible in clay capped area. Litter (plastic packing material) present

## BACKFILLED EXCAVATIONS

Excessive settlement? Yes ☒ No  
Ponding of surface water? Yes ☒ No  
Tar boils? Yes ☒ No  
Blue-stained soil? Yes ☒ No

Comments:

## CLASS D STREAM

Hydrocarbon sheen? Yes ☒ No  
Comments:

## SITE FENCE

Damage / Holes? Yes ☒ No  
Comments:

BIO AC

Cracks: No

Erosion at Edges: No

Blue stained Soil: No

## FIELD OBSERVATION PHOTOGRAPHS

**Project:** Mineral Springs Facility PRR Inspection  
Site No. #V00195  
**Client:** National Fuel Gas  
**Inspection by:** Kelly McIntosh

**Date:** 04/25/18

**Report No. PRR'18**

**Page:** 1 of 9

**GEI Proj. No.** 1801042

**Photo 1. View looking east, north of Class D stream. Animal burrow in east drainage ditch clay cap area.**





## FIELD OBSERVATION PHOTOGRAPHS

**Project:** Mineral Springs Facility PRR Inspection  
Site No. #V00195  
**Client:** National Fuel Gas  
**Inspection by:** Kelly McIntosh

**Date:** 04/25/18

**Report No.** PRR'18

**Page:** 2 of 9

**GEI Proj. No.** 1801042

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**Photo 2. View looking west across clay cap in the area of Building 14.**





## FIELD OBSERVATION PHOTOGRAPHS

**Project:** Mineral Springs Facility PRR Inspection  
Site No. #V00195  
**Client:** National Fuel Gas  
**Inspection by:** Kelly McIntosh

**Date:** 04/25/18

**Report No.** PRR'18

**Page:** 3 of 9

**GEI Proj. No.** 1801042

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**Photo 3. South view of East Drainage Ditch HDPE Cap area.**





## FIELD OBSERVATION PHOTOGRAPHS

**Project:** Mineral Springs Facility PRR Inspection  
Site No. #V00195  
**Client:** National Fuel Gas  
**Inspection by:** Kelly McIntosh

**Date:** 04/25/18

**Report No.** PRR'18

**Page:** 4 of 9

**GEI Proj. No.** 1801042

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**Photo 4. View looking west at French drain in Eastern Swale HDPE Cap (ESHC)**



## FIELD OBSERVATION PHOTOGRAPHS

**Project:** Mineral Springs Facility PRR Inspection  
Site No. #V00195  
**Client:** National Fuel Gas  
**Inspection by:** Kelly McIntosh

**Date:** 04/25/18

**Report No.** PRR'18

**Page:** 5 of 9

**GEI Proj. No.** 1801042

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**Photo 5. East view at Eastern Swale North Asphalt Cap (ESNAC).**





## FIELD OBSERVATION PHOTOGRAPHS

**Project:** Mineral Springs Facility PRR Inspection  
Site No. #V00195  
**Client:** National Fuel Gas  
**Inspection by:** Kelly McIntosh

**Date:** 04/25/18

**Report No.** PRR'18

**Page:** 6 of 9

**GEI Proj. No.** 1801042

**Photo 6. North west view at Eastern Swale South Asphalt Cap (ESSAC).**





## FIELD OBSERVATION PHOTOGRAPHS

**Project:** Mineral Springs Facility PRR Inspection  
Site No. #V00195  
**Client:** National Fuel Gas  
**Inspection by:** Kelly McIntosh

**Date:** 04/25/18

**Report No.** PRR'18

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**GEI Proj. No.** 1801042

**Photo 7. East view of Building 3 South Asphalt Cap (B3SAC). Surface cracks in sealant and some open to asphalt wearing course layer.**



## FIELD OBSERVATION PHOTOGRAPHS

**Project:** Mineral Springs Facility PRR Inspection  
Site No. #V00195  
**Client:** National Fuel Gas  
**Inspection by:** Kelly McIntosh

**Date:** 04/25/18

**Report No.** PRR'18  
**Page:** 8 of 9  
**GEI Proj. No.** 1801042

**Photo 8. North view of Bldg. 3 East Asphalt Cap (B3EAC) with surface cracks and prior sealing.**





## FIELD OBSERVATION PHOTOGRAPHS

**Project:** Mineral Springs Facility PRR Inspection  
Site No. #V00195  
**Client:** National Fuel Gas  
**Inspection by:** Kelly McIntosh

**Date:** 04/25/18

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**Photo 9. Building 8 West Asphalt Cap (B8WAC) cracking at storm sewer catch basin.**



## **Appendix B**

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### **Summary of Historical Groundwater and Surface Water Data**

Appendix B  
Groundwater and Surface Water Monitoring Results  
2018 Periodic Review Report  
Mineral Springs Road Former Manufactured Gas Plant Site  
(all units in µg/L)

| MW-07                                 | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Aug-95 | May-96 | Jul-97 | Feb-98 | Jun-99 | Apr-00 | Apr-01 | Jul-01 | Nov-01 | Apr-02 | Jun-02 | Nov-02 | Apr-03 | Jul-03 | Nov-03 | Mar-04 | Jun-04 | Nov-04 | Apr-05 | Jul-05 | Apr-06 | Aug-06 | Apr-07 | Aug-07 | Apr-08 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               | 3320   | 1210   | 4900   |        | 5100   | 5200   | 4800   | 3900   | 3300   | 2700   | 2200   | 3000   | 2100   | 1900   | 3200   | 2800   | 2000   | 1700   | 2800   | 2000   | 2900   | 2600   | 2000   | 1900   | 490    |
| Toluene                               | 389    | 20     | 750    |        | 2000   | 2700   | 2500   | 3400   | 1700   | 1500   | 1200   | 1400   | 1200   | 930    | 1700   | 1800   | 1300   | 930    | 1100   | 840    | 1100   | 570    | 620    | 100    | 270    |
| Ethylbenzene                          | 2400   | 410    | 2900   |        | 3700   | 3600   | 3300   | 2000   | 2100   | 2300   | 1900   | 2200   | 1900   | 1900   | 2700   | 2500   | 2500   | 1800   | 2700   | 2200   | 3100   | 2500   | 2500   | 2000   | 410    |
| Xylene (sum of isomers)               | 1038   | 63     | 1200   |        | 1800   | 1900   | 1800   | 1600   | 1100   | 1200   | 1100   | 1100   | 1100   | 1000   | 1400   | 1200   | 1400   | 1000   | 1600   | 1300   | 1800   | 1500   | 1400   | 1100   | 270    |
| Total BTEX                            | 7147   | 1703   | 9750   |        | 12600  | 13400  | 12400  | 10900  | 8200   | 7700   | 6400   | 7700   | 6300   | 5730   | 9000   | 8300   | 7200   | 5430   | 8200   | 6340   | 8900   | 7170   | 6520   | 5100   | 1440   |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          | 240    | 150    | 180    |        | 180    | 180    | 150    | 140    | 160    | 80     | 120    | 150    | nd     | 160    | 120    | 160    | 180    | 160    | 130    | 220    | 120    | 130    | nd     | 130    | 19     |
| Acenaphthylene                        | nd     | nd     | nd     |        | nd     | nd     | nd     | 2.2    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 3      | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 2.5    |
| Anthracene                            | nd     | nd     | nd     |        | nd     | nd     | nd     | 3.6    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 5.4    | 3.9    | nd     | 3      | 2.5    |
| Benzo(a)Anthracene                    | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(a)Pyrene                        | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(b)Fluoranthene                  | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(g,h,i)Perylene                  | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(k)Fluoranthene                  | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Chrysene                              | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Dibenzo(a,h)Anthracene                | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.47   | nd     | nd     | nd     | nd     |
| Fluoranthene                          | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Fluorene                              | nd     | 28     | 45     |        | nd     | nd     | nd     | 28     | nd     | nd     | nd     | 33     | nd     | nd     | 27     | nd     | 42     | nd     | 24     | 46     | 32     | 24     | nd     | 25     | 7.6    |
| Indeno(1,2,3-cd)Pyrene                | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Naphthalene                           | 3270   | 3000   | 2400   |        | 4100   | 5900   | 3400   | 3400   | 3600   | 2200   | 2600   | 5000   | 3100   | 3800   | 3200   | 3700   | 2700   | 4600   | 3500   | 3600   | 3000   | 3600   | 3700   | 3100   | 430    |
| Phenanthrene                          | nd     | nd     | 37     |        | nd     | nd     | nd     | 32     | nd     | nd     | nd     | 30     | nd     | nd     | nd     | nd     | 38     | nd     | nd     | nd     | 33     | 28     | nd     | 25     | 2.5    |
| Pyrene                                | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| 2-Methylnaphthalene                   |        |        |        |        |        |        | 180    | 190    | 200    | 100    | 180    | 230    | nd     | 280    | 170    | 270    | 320    | 300    | 230    | 400    | 350    | 250    | 270    | 230    | 24     |
| Total PAHs                            | 3510   | 3178   | 2662   |        | 4280   | 6080   | 3730   | 3796   | 3960   | 2380   | 2900   | 5443   | 3100   | 4240   | 3517   | 4130   | 3283   | 5060   | 3884   | 4266   | 3541   | 4036   | 3970   | 3513   | 488    |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        | 189    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Clarkson Univ.)       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Clarkson Univ.)        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                |        |        | 580.13 | 581.68 | 579.84 | 581.70 | 581.50 | 579.98 | 580.58 | 582.01 | 580.96 | 580.26 | 581.66 | 580.31 | 580.32 | 582.45 | 581.24 | 581.36 | 582.28 | 579.76 | 581.90 | 579.24 | 582.58 | 578.21 | 581.99 |

Notes:

nd - non-detect

open space - no data

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

Appendix B  
Groundwater and Surface Water Monitoring Results  
2018 Periodic Review Report  
Mineral Springs Road Former Manufactured Gas Plant Site  
(all units in µg/L)

| MW-07                                 | MW-07  | MW-07   | MW-07  | MW-07  | MW-07   | MW-07  | MW-07   | MW-07  | MW-07   | MW-07   | MW-07    | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  | MW-07  |
|---------------------------------------|--------|---------|--------|--------|---------|--------|---------|--------|---------|---------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Sep-08 | Apr-09  | Aug-09 | Apr-10 | Aug-10  | Apr-11 | Sep-11  | Apr-12 | Aug-12  | Apr-13  | Aug-13   | Apr-14 | Aug-14 | Apr-15 | Aug-15 | Apr-16 | Aug-16 | Apr-17 | Aug-17 | Apr-18 | Aug-18 |
|                                       |        |         |        |        |         |        |         |        |         |         |          |        |        |        |        |        |        |        |        |        |        |
| Benzene                               | 1100   | 780     | 850    | 330    | 840     | 690    | 600     | 690    | 420     | 660     | 450      | 620    | 570    | 1,100  | 1,100  | 660    | 1,100  | 710    | 1,100  | 840    | 410    |
| Toluene                               | 590    | 420     | 250    | 96     | 44      | 210    | 37      | 77     | 6.9     | 210     | 9.2      | 94     | 14     | 110    | 30     | 32     | 14     | 36     | 39     | 36     | nd     |
| Ethylbenzene                          | 1500   | 1100    | 1000   | 520    | 1200    | 1200   | 800     | 1000   | 470     | 1000    | 600      | 1800   | 870    | 1,900  | 1,600  | 1,100  | 1,300  | 1,000  | 1,600  | 1800 J | 580    |
| Xylene (sum of isomers)               | 910    | 820     | 700    | 360    | 820     | 770    | 510     | 660    | 270     | 680     | 440      | 980    | 590    | 1,400  | 1,200  | 660    | 780    | 650    | 940    | 1,100  | 300    |
| Total BTEX                            | 4100   | 3120    | 2800   | 1,306  | 2,904   | 2,870  | 1,947   | 2,427  | 1,167   | 2,550   | 1,499    | 3,494  | 2,044  | 4,510  | 3,930  | 2,452  | 3,194  | 2,396  | 3,679  | 3,776  | 1,290  |
|                                       |        |         |        |        |         |        |         |        |         |         |          |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          | 69     | 32      | 36     | 15     | 60      | 76     | 49      | 64     | 49      | 64      | 63       | 100    | 74     | 130    | 120    | 93     | 78     | 100    | 100    | 150 J  | 72     |
| Acenaphthylene                        | nd     | 0.63    | nd     | nd     | nd      | nd     | nd      | nd     | nd      | 2.0     | 0.83     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Anthracene                            | 1.5    | nd      | nd     | 0.23   | 1.4     | nd     | 0.98    | 1.5    | 1.3     | 1.6     | 1.7      | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(a)Anthracene                    | nd     | nd      | nd     | nd     | nd      | nd     | nd      | nd     | nd      | nd      | nd       | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(a)Pyrene                        | nd     | nd      | nd     | nd     | nd      | nd     | nd      | nd     | nd      | nd      | nd       | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(b)Fluoranthene                  | nd     | nd      | nd     | nd     | nd      | nd     | nd      | nd     | nd      | nd      | nd       | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(g,h,i)Perylene                  | nd     | nd      | nd     | nd     | nd      | nd     | nd      | nd     | nd      | nd      | nd       | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(k)Fluoranthene                  | nd     | nd      | nd     | nd     | nd      | nd     | nd      | nd     | nd      | nd      | nd       | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Chrysene                              | nd     | nd      | nd     | nd     | nd      | nd     | nd      | nd     | nd      | nd      | nd       | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Dibenzo(a,h)Anthracene                | nd     | nd      | nd     | nd     | nd      | nd     | nd      | nd     | nd      | nd      | nd       | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Fluoranthene                          | nd     | nd      | nd     | 0.2    | 0.27    | nd     | nd      | nd     | nd      | nd      | nd       | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Fluorene                              | 13     | 6.4     | 6.2    | 2.7    | 12      | 13     | 9.6     | 11     | 11      | 13      | 12       | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Indeno(1,2,3-cd)Pyrene                | nd     | nd      | nd     | nd     | nd      | nd     | nd      | nd     | nd      | nd      | nd       | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Naphthalene                           | 1000   | 1600    | 1400   | 650    | 1700    | 2100   | 1500    | 1700   | 870     | 1,700   | 1,100    | 2,500  | 1,600  | 3,400  | 3,000  | 2,200  | 1,600  | 2,300  | 2,300  | 3,200  | 1,300  |
| Phenanthrene                          | 12     | 4.3     | 4.6    | 2.1    | 11      | 16     | 9.5     | 11     | 9.1     | 12      | 11       | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Pyrene                                | nd     | nd      | nd     | nd     | 0.28    | nd     | nd      | nd     | 0.17    | nd      | nd       | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| 2-Methylnaphthalene                   | 120    | 73      | 84     | 33     | 110     | 160    | 90      | 120    | 66      | 130     | 82       | 260    | 110    | 300    | 250    | 170    | 120    | 190    | 190    | 260    | 110    |
| Total PAHs                            | 1215.5 | 1684.33 | 1495   | 688.23 | 1834.95 | 2365   | 1610.08 | 1843.5 | 1006.57 | 1,922.6 | 1,270.53 | 2,860  | 1,784  | 3,830  | 3,370  | 2,463  | 1,798  | 2,590  | 2,590  | 3,610  | 1,482  |
|                                       |        |         |        |        |         |        |         |        |         |         |          |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |         |        |        |         |        |         |        |         |         |          |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Clarkson Univ.)       |        |         |        |        |         |        |         |        |         |         |          |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Exygen/ Test America)  |        |         |        |        |         |        |         |        |         |         |          |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Clarkson Univ.)        |        |         |        |        |         |        |         |        |         |         |          |        |        |        |        |        |        |        |        |        |        |
|                                       |        |         |        |        |         |        |         |        |         |         |          |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                | 580.83 | 581.93  | 581.01 | 582.26 | 580.00  | 583.60 | 579.76  | 581.56 | 578.61  | 582.22  | 581.02   | 582.41 | 579.61 | 582.17 | 580.15 | 582.36 | 578.09 | 581.96 | 581.44 | 582.21 | 579.86 |

Notes:

nd - non-detect

open space - no data

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

Appendix B  
Groundwater and Surface Water Monitoring Results  
2018 Periodic Review Report  
Mineral Springs Road Former Manufactured Gas Plant Site  
(all units in µg/L)

| MW-10                                 | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Aug-95 | May-96 | Jul-97 | Feb-98 | Jun-99 | Apr-00 | Apr-01 | Jul-01 | Nov-01 | Apr-02 | Jun-02 | Nov-02 | Apr-03 | Jul-03 | Nov-03 | Mar-04 | Jun-04 | Nov-04 | Apr-05 | Jul-05 | Apr-06 | Aug-06 | Apr-07 | Aug-07 | Apr-08 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 1.2    | nd     | nd     | nd     | nd     | nd     | 0.83   | nd     | nd     | nd     | nd     | nd     | nd     |
| Toluene                               | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | 0.89   | nd     | nd     | 0.81   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Ethylbenzene                          | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.9    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 1.3    | nd     |
| Xylene (sum of isomers)               | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.66   | nd     |
| Total BTEX                            | 0      | 0      | 0      |        | 0      | 0      | 0      | 0      | 0      | 0.89   | 0      | 0      | 2.91   | 0      | 0      | 0      | 0      | 0      | 0.83   | 0      | 0      | 0      | 0      | 1.96   | 0      |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Acenaphthylene                        | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Anthracene                            | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(a)Anthracene                    | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(a)Pyrene                        | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(b)Fluoranthene                  | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(g,h,i)Perylene                  | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(k)Fluoranthene                  | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Chrysene                              | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Dibenzo(a,h)Anthracene                | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Fluoranthene                          | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Fluorene                              | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Indeno(1,2,3-cd)Pyrene                | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Naphthalene                           | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 2.1    | nd     | nd     | nd     | nd     | nd     | nd     | 0.78   | nd     | 43     | nd     | nd     | 2.3    | nd     |
| Phenanthrene                          | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Pyrene                                | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| 2-Methylnaphthalene                   |        |        |        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 3.8    | nd     | nd     | nd     | nd     |
| Total PAHs                            | 0      | 0      | 0      |        | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 2.1    | 0      | 0      | 0      | 0      | 0      | 0      | 0.78   | 0      | 46.8   | 0      | 0      | 2.3    | 0      |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        | 334    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Clarkson Univ.)       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Clarkson Univ.)        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                |        |        | 579.87 | 581.44 | 579.33 | 581.19 | 581.07 | 579.64 | 580.10 | 581.61 | 580.51 | 579.51 | 581.23 | 579.93 | 579.16 | 581.92 | 580.80 | 580.90 | 581.78 | 579.53 | 581.15 | 580.04 | 582.06 | 578.19 | 581.51 |

Notes:

nd - non-detect

open space - no data

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

Appendix B  
Groundwater and Surface Water Monitoring Results  
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Mineral Springs Road Former Manufactured Gas Plant Site  
(all units in µg/L)

| MW-10                                 | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  | MW-10  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Sep-08 | Apr-09 | Aug-09 | Apr-10 | Aug-10 | Apr-11 | Sep-11 | Apr-12 | Aug-12 | Apr-13 | Aug-13 | Apr-14 | Aug-14 | Apr-15 | Aug-15 | Apr-16 | Aug-16 | Apr-17 | Aug-17 | Apr-18 | Aug-18 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Toluene                               | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Ethylbenzene                          | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 1.0    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Xylene (sum of isomers)               | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Total BTEX                            | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 1.0    | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Acenaphthylene                        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Anthracene                            | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(a)Anthracene                    | nd     | nd     | nd     | nd     | 0.27   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(a)Pyrene                        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.65   | nd     |
| Benzo(b)Fluoranthene                  | nd     | nd     | nd     | nd     | nd     | 0.18   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 1.80   | nd     |
| Benzo(g,h,i)Perylene                  | nd     | nd     | nd     | nd     | 0.28   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.71   | nd     |
| Benzo(k)Fluoranthene                  | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.51   | 0.11 J |
| Chrysene                              | nd     | nd     | nd     | nd     | 0.41   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 1.60   | nd     |
| Dibenzo(a,h)Anthracene                | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Fluoranthene                          | nd     | nd     | nd     | nd     | nd     | 0.77   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.34   | nd     | nd     | 4.00   | nd     |
| Fluorene                              | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Indeno(1,2,3-cd)Pyrene                | nd     | nd     | nd     | nd     | 0.35   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.64   | nd     |
| Naphthalene                           | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.65   | 2.2    | nd     | nd     | 1.0    | 1.6    | 0.91   | 0.68   | nd     | nd     | nd     |
| Phenanthrene                          | nd     | nd     | nd     | nd     | nd     | 0.69   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 3.30   | nd     |
| Pyrene                                | nd     | nd     | nd     | nd     | nd     | 0.53   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 2.00   | nd     |
| 2-Methylnaphthalene                   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Total PAHs                            | 0      | 0      | 0      | 0      | 1.31   | 2.17   | 0      | 0      | 0      | 0      | 0.65   | 2.2    | 0      | 0      | 1.0    | 1.6    | 0.9    | 0.68   | 0      | 15.21  | 0.11   |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Clarkson Univ.)       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Clarkson Univ.)        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                | 580.45 | 581.10 | 580.82 | 580.49 | 580.56 | 583.39 | 579.53 | 581.05 | 579.85 | 581.63 | 580.40 | 581.76 | 579.31 | 581.64 | 580.15 | 581.81 | 578.29 | 581.54 | 581.07 | 581.21 | 579.97 |

Notes:

nd - non-detect

open space - no data

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison



Appendix B  
Groundwater and Surface Water Monitoring Results  
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(all units in µg/L)

| MW-11 / MW-11A                        | MW-11  | MW-11  | MW-11  | MW-11  | MW-11  | MW-11  | MW-11  | MW-11  | MW-11  | MW-11  | MW-11  | MW-11  | MW-11  | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A |        |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Aug-95 | May-96 | Jul-97 | Feb-98 | Jun-99 | Apr-00 | Apr-01 | Jul-01 | Nov-01 | Apr-02 | Jun-02 | Nov-02 | Apr-03 | Jul-03 | Nov-03 | Mar-04 | Jun-04 | Nov-04 | Apr-05 | Jul-05 | Apr-06 | Aug-06 | Apr-07 | Aug-07 | Apr-08 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               |        |        | 35     |        | nd     | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | 350    | 80     | 50     | 270    | 150    | 140    | 250    | 67     | 140    | 100    | 180    | 230    |
| Toluene                               |        |        | 17     |        | nd     | nd     | nd     | 68     |        | nd     | 3.8    | nd     | nd     | 230    | 1.2    | 0.7    | 35     | nd     | 1.2    | 7      | 0.56   | 1.2    | 0.99   | nd     | 5.5    |
| Ethylbenzene                          |        |        | 94     |        | nd     | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | 650    | 3.5    | 6.9    | 30     | 5.4    | 9.6    | 38     | 2.5    | 8.7    | 2.8    | 5.5    | 69     |
| Xylene (sum of isomers)               |        |        | 83     |        | 7      | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | 410    | 9.1    | 9.2    | 38     | 16     | 16     | 30     | 8.1    | 14     | 5.5    | 29     | 41     |
| Total BTEX                            |        |        | 229    |        | 7      | 0      | 0      | 68     |        | 0      | 4      | 0      | 0      | 1640   | 94     | 67     | 373    | 171    | 167    | 325    | 78     | 164    | 109    | 215    | 346    |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthylene                        |        |        | 9      |        | 2      | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | 12     | 8.4    | nd     | 7.9    | 9.4    | 2.8    | 8.9    | 5.1    | nd     | 5.8    | 0.93   | 6.9    |
| Acenaphthene                          |        |        | 7      |        | nd     | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | 4.4    | 3.1    | 1.2    | 4.5    | 5.9    | 4.5    | 5.6    | nd     | nd     | nd     | 2.7    | 5.6    |
| Anthracene                            |        |        | nd     |        | nd     | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.5    | 1.6    | nd     | nd     | nd     | nd     | nd     | nd     | 2.2    |
| Benzo(a)Anthracene                    |        |        | nd     |        | nd     | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(a)Pyrene                        |        |        | nd     |        | nd     | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(b)Fluoranthene                  |        |        | nd     |        | nd     | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(g,h,i)Perylene                  |        |        | nd     |        | nd     | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(k)Fluoranthene                  |        |        | nd     |        | nd     | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Chrysene                              |        |        | nd     |        | nd     | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Dibenzo(a,h)Anthracene                |        |        | nd     |        | nd     | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Fluoranthene                          |        |        | nd     |        | nd     | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.3    | nd     | nd     | nd     | nd     | 0.57   | nd     |
| Fluorene                              |        |        | nd     |        | nd     | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | 2.2    | nd     | nd     | 1.9    | 2.3    | 1.3    | 1.7    | 1.5    | nd     | nd     | nd     | 5.1    |
| Indeno(1,2,3-cd)Pyrene                |        |        | nd     |        | nd     | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Naphthalene                           |        |        | 140    |        | 12     | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | 150    | 130    | nd     | 39     | 31     | nd     | 20     | 2.9    | nd     | nd     | 0.79   | 7.1    |
| Phenanthrene                          |        |        | nd     |        | nd     | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | 2.7    | 2.2    | nd     | 3.7    | 6.4    | nd     | 2      | nd     | nd     | nd     | nd     | 1.5    |
| Pyrene                                |        |        | nd     |        | nd     | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.3    | 0.73   | 0.46   | 0.33   | nd     | nd     | nd     | 1.2    | nd     |
| 2-Methylnaphthalene                   |        |        |        |        |        |        | nd     | nd     |        | nd     | nd     | nd     | nd     | 31     | 4.4    | nd     | 0.26   | nd     | nd     | 0.15   | nd     | nd     | nd     | nd     | nd     |
| Total PAHs                            |        |        | 156    |        | 14     | 0      | 0      | 0      |        | 0      | 0      | 0      | 0      | 202    | 148    | 1      | 58     | 57     | 9      | 39     | 10     | 0      | 6      | 6      | 28     |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        | 1040   |        |        |        |        |        | 1340   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Clarkson Univ.)       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Clarkson Univ.)        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                |        |        | 580.28 | 582.26 | 579.82 | 583.55 | 583.85 | 579.28 | 581.30 | 583.85 | 581.32 | 581.03 | 582.97 | 580.70 | 581.11 | 583.03 | 581.54 | 581.87 | 582.74 | 580.09 | 582.38 | 580.78 | 583.07 | 578.46 | 582.43 |

Notes:

nd - non-detect

open space - no data

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

Appendix B  
Groundwater and Surface Water Monitoring Results  
2018 Periodic Review Report  
Mineral Springs Road Former Manufactured Gas Plant Site  
(all units in µg/L)

| MW-11 / MW-11A                        | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A | MW-11A |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Sep-08 | Apr-09 | Aug-09 | Apr-10 | Aug-10 | Apr-11 | Sep-11 | Apr-12 | Aug-12 | Apr-13 | Aug-13 | Apr-14 | Aug-14 | Apr-15 | Aug-15 | Apr-16 | Aug-16 | Apr-17 | Aug-17 | Apr-18 | Aug-18 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               | 210    | 190    | 200    | 77     | 150    | 15     | 170    | 31     | 85     | 20     | 32     | nd     | 7.3    | nd     | 12     | 8.8    | 44     | 12     | 11     | 4.2    | 7.1    |
| Toluene                               | nd     | nd     | nd     | 0.78   | 1.9    | nd     | nd     | nd     | 1.4    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.74   | 1      | nd     | nd     | v      |
| Ethylbenzene                          | 71     | 67     | 80     | 35     | 56     | 5.7    | 63     | 7.1    | 34     | 7.3    | 5.7    | nd     | nd     | nd     | nd     | nd     | 2.3    | 0.34   | nd     | nd     |        |
| Xylene (sum of isomers)               | 30     | 24     | 28     | 21     | 27     | 3.5    | 25     | 4.3    | 15     | 5.4    | 4.6    | nd     | nd     | nd     | 1.4    | nd     | 2      | 0.77   | nd     | nd     |        |
| Total BTEX                            | 311    | 281    | 308    | 133.78 | 234.9  | 24.2   | 258    | 42.4   | 135.4  | 32.7   | 42.3   | 0      | 7.3    | 0      | 13.4   | 8.8    | 49.04  | 14.11  | 11     | 4.2    | 7.1    |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthylene                        | 3.4    | 3.7    | 4.6    | 2.4    | 3.8    | 0.72   | 2.8    | 1.3    | 2.2    | 2.9    | 4.7    | nd     | 4      | nd     | 3.4    | 2.9    | 3.3    | 2.6    | 2.8    | 0.37 J | 2.1    |
| Acenaphthene                          | 5      | 4.1    | 6.1    | 3.1    | 5.1    | 2.6    | 4.6    | 2.0    | 3.8    | 1.4    | 2.1    | nd     | 2.0    | nd     | 1.8    | 1.7    | 2.0    | 1.5    | 1.4    | 1.2    | 2.9    |
| Anthracene                            | nd     | nd     | nd     | nd     | 0.3    | 0.24   | nd     | nd     | nd     | nd     | 0.43   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(a)Anthracene                    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(a)Pyrene                        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(b)Fluoranthene                  | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(g,h,i)Perylene                  | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(k)Fluoranthene                  | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Chrysene                              | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Dibenzo(a,h)Anthracene                | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Fluoranthene                          | nd     | 0.32   | 0.52   | 0.24   | 0.51   | 0.45   | 0.42   | nd     | 0.40   | 0.36   | 0.95   | nd     | nd     | nd     | 0.70   | nd     | 0.48   | nd     | 0.67   | nd     | 0.43 J |
| Fluorene                              | 0.86   | 0.89   | 1.6    | 0.72   | 1.2    | 0.83   | nd     | nd     | 0.91   | 0.52   | 1.4    | nd     | 0.73   | nd     | 0.64   | 0.6    | 0.53   | 0.46   | 0.49   | nd     | 0.43 J |
| Indeno(1,2,3-cd)Pyrene                | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Naphthalene                           | 2.5    | 4.1    | 9.3    | 0.78   | 2.6    | 0.28   | 4      | nd     | 0.81   | 0.29   | 0.57   | 0.6    | nd     | 1.4    | 1.20   | nd     | nd     | nd     | 0.74   | nd     | nd     |
| Phenanthrene                          | nd     | nd     | 2.8    | nd     | 0.56   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Pyrene                                | nd     | 0.36   | 0.75   | 0.27   | 0.52   | 0.71   | 0.56   | nd     | 0.51   | 0.58   | 1.3    | nd     | 1      | nd     | 1      | 0.66   | 0.73   | 0.63   | 0.96   | nd     | 0.71   |
| 2-Methylnaphthalene                   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Total PAHs                            | 11.76  | 13.47  | 25.67  | 7.51   | 14.59  | 5.83   | 12.38  | 3.3    | 8.63   | 6.05   | 11.45  | 0.64   | 7.73   | 1.40   | 8.74   | 5.86   | 7.04   | 5.19   | 7.06   | 1.57   | 6.57   |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 175    | 230    | 260 J  |
| Cyanide, total (Clarkson Univ.)       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 5.9    | nd     | 2.8 J  |
| Cyanide, free (Clarkson Univ.)        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                | 581.32 | 582.35 | 581.46 | 582.85 | 580.37 | 584.05 | 580.22 | 582.07 | 579.02 | 582.78 | 580.94 | 582.98 | 579.83 | 582.74 | 580.63 | 583.03 | 578.48 | 582.64 | 582.02 | 581.63 | 580.76 |

Notes:

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open space - no data

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

Appendix B  
Groundwater and Surface Water Monitoring Results  
2018 Periodic Review Report  
Mineral Springs Road Former Manufactured Gas Plant Site  
(all units in µg/L)

| MW-12                                 | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Aug-95 | May-96 | Jul-97 | Feb-98 | Jun-99 | Apr-00 | Apr-01 | Jul-01 | Nov-01 | Apr-02 | Jun-02 | Nov-02 | Apr-03 | Jul-03 | Nov-03 | Mar-04 | Jun-04 | Nov-04 | Apr-05 | Jul-05 | Apr-06 | Aug-06 | Apr-07 | Aug-07 | Apr-08 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               |        |        | 17     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Toluene                               |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Ethylbenzene                          |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Xylene (sum of isomers)               |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total BTEX                            |        |        | 17     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthylene                        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Anthracene                            |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(a)Anthracene                    |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(a)Pyrene                        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(b)Fluoranthene                  |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(g,h,i)Perylene                  |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(k)Fluoranthene                  |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Chrysene                              |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Dibenzo(a,h)Anthracene                |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fluoranthene                          |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fluorene                              |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Indeno(1,2,3-cd)Pyrene                |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Naphthalene                           |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Phenanthrene                          |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Pyrene                                |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 2-Methylnaphthalene                   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total PAHs                            |        |        | 0      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        | 375    |        | 294    | 380    | 434    | 1840   | 393    | 522    | 2020   | 438    | 440    | 384    | 437    | 134    | 458    | 514    | 2110   |        |        |        |        |        |        |
| Cyanide, total (Clarkson Univ.)       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 461    | 491    | 425    | 413    | 440    | 415    | 459    | 454    | 473    |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        |        | nd     | nd     | nd     | nd     | nd     | 58     | 7      | nd     | 88     | 57     | 19     | 6      | 5      | 817    |        |        |        |        |        |        |
| Cyanide, free (Clarkson Univ.)        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 6.7    | nd     | nd     | 3.3    | 2.9    | 2.6    | nd     | nd     | 6.8    | 25     |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                |        |        | 579.45 | 581.07 | 578.98 | 580.90 | 580.72 | 579.30 | 579.54 | 581.40 | 580.30 | 579.29 | 580.82 | 579.59 | 579.75 | 581.55 | 580.39 | 580.51 | 581.48 | 579.27 | 580.96 | 579.78 | 581.88 | 578.7  | 581.25 |

Notes:  
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As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

Appendix B  
Groundwater and Surface Water Monitoring Results  
2018 Periodic Review Report  
Mineral Springs Road Former Manufactured Gas Plant Site  
(all units in µg/L)

| MW-12                                 | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  | MW-12  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Sep-08 | Apr-09 | Aug-09 | Apr-10 | Aug-10 | Apr-11 | Sep-11 | Apr-12 | Aug-12 | Apr-13 | Aug-13 | Apr-14 | Aug-14 | Apr-15 | Aug-15 | Apr-16 | Aug-16 | Apr-17 | Aug-17 | Apr-18 | Aug-18 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Toluene                               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Ethylbenzene                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Xylene (sum of isomers)               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total BTEX                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthylene                        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Anthracene                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(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                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Pyrene                                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 2-Methylnaphthalene                   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total PAHs                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        |        |        | 708    | 837    | 720    | 670    | 480    | 530    | 540    | 526    | 580    | 570    | 890    | 640    | 790    | 536    | 1,700  | 810    | 800 J  |
| Cyanide, total (Clarkson Univ.)       | 550    | 472    | 449    | 550    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        | 6.0    | 7.0    | nd     | 10     | 23     | 10     | 14     | 7.5    | 10     | nd     | 9      | 6      | nd     | 6.8    | 7.2    | 3.1 J  | 1.9 J  |
| Cyanide, free (Clarkson Univ.)        | 7.2    | 4.1    | 4.7    | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                | 580.16 | 581.10 | 580.35 | 581.45 | 579.50 | 583.27 | 579.21 | 580.82 | 578.49 | 581.40 | 579.87 | 581.69 | 579.87 | 581.34 | 579.87 | 581.62 | 578.08 | 581.36 | 580.76 | 581.34 | 579.75 |

Notes:

nd - non-detect

open space - no data

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

Appendix B  
Groundwater and Surface Water Monitoring Results  
2018 Periodic Review Report  
Mineral Springs Road Former Manufactured Gas Plant Site  
(all units in µg/L)

| MW-13                                 | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  |        |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Aug-95 | May-96 | Jul-97 | Feb-98 | Jun-99 | Apr-00 | Apr-01 | Jul-01 | Nov-01 | Apr-02 | Jun-02 | Nov-02 | Apr-03 | Jul-03 | Nov-03 | Mar-04 | Jun-04 | Nov-04 | Apr-05 | Jul-05 | Apr-06 | Aug-06 | Apr-07 | Aug-07 | Apr-08 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               |        |        | 4      | nd     |        |        |        |        |        |        |        | 1.8    |        |        | 3.7    |        |        | 1.2    |        |        |        | 1.9    |        | 2.1    | nd     |
| Toluene                               |        |        | nd     | nd     |        |        |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        | nd     | nd     |
| Ethylbenzene                          |        |        | nd     | nd     |        |        |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        | 0.38   | nd     |
| Xylene (sum of isomers)               |        |        | nd     | nd     |        |        |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        | nd     | nd     |
| Total BTEX                            |        |        | 4      | 0      |        |        |        |        |        |        |        | 1.8    |        |        | 3.7    |        |        | 1.2    |        |        |        | 1.9    |        | 2.48   | 0      |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          |        |        | nd     |        |        |        |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        | nd     | nd     |
| Acenaphthylene                        |        |        | nd     |        |        |        |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        | nd     | nd     |
| Anthracene                            |        |        | nd     |        |        |        |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        | nd     | nd     |
| Benzo(a)Anthracene                    |        |        | nd     |        |        |        |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        | nd     | nd     |
| Benzo(a)Pyrene                        |        |        | nd     |        |        |        |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        | nd     | nd     |
| Benzo(b)Fluoranthene                  |        |        | nd     |        |        |        |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        | nd     | nd     |
| Benzo(g,h,i)Perylene                  |        |        | nd     |        |        |        |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        | nd     | nd     |
| Benzo(k)Fluoranthene                  |        |        | nd     |        |        |        |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        | nd     | nd     |
| Chrysene                              |        |        | nd     |        |        |        |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        | nd     | nd     |
| Dibenzo(a,h)Anthracene                |        |        | nd     |        |        |        |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        | nd     | nd     |
| Fluoranthene                          |        |        | nd     |        |        |        |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        | nd     | nd     |
| Fluorene                              |        |        | nd     |        |        |        |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        | nd     | nd     |
| Indeno(1,2,3-cd)Pyrene                |        |        | nd     |        |        |        |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        | nd     | nd     |
| Naphthalene                           |        |        | nd     |        |        |        |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | 2.8    |        | 0.88   | nd     |
| Phenanthrene                          |        |        | nd     |        |        |        |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        | nd     | nd     |
| Pyrene                                |        |        | nd     |        |        |        |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        | nd     | nd     |
| 2-Methylnaphthalene                   |        |        |        |        |        |        |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        | nd     | nd     |
| Total PAHs                            |        |        | 0      |        |        |        |        |        |        |        |        | 0      |        |        | 0      |        |        | 0      |        |        |        | 2.8    |        | 0.88   | 0      |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        | 323    |        | 356    | 280    | 129    | 465    | 716    | nd     | 157    | 399    | 142    | 423    | 528    | 175    | 108    | 280    | 103    |        |        |        |        |        |        |
| Cyanide, total (Clarkson Univ.)       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 145    | 234    | 55     | 363    | 61     | 300    | 3      | 664    | 54     |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        |        | nd     | 33     | 119    | nd     | nd     | 96     | 13     | nd     | 51     | 22     | 22     | nd     | nd     | 45     |        |        |        |        |        |        |
| Cyanide, free (Clarkson Univ.)        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 5.3    | nd     | nd     | nd     | 3      | nd     | nd     | nd     | 5.3    | 2.3    |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                |        |        | 578.17 | 579.72 | 577.70 | 579.47 | 579.28 | 577.91 | 578.23 | 579.90 | 578.80 | 577.83 | 579.23 | 578.13 | 578.18 | 579.78 | 578.69 | 578.80 | 579.87 | 577.95 | 579.42 | 578.30 | 580.29 | 577.3  | 579.65 |

Notes:

nd - non-detect

open space - no data

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

Appendix B  
Groundwater and Surface Water Monitoring Results  
2018 Periodic Review Report  
Mineral Springs Road Former Manufactured Gas Plant Site  
(all units in µg/L)

| MW-13                                 | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13  | MW-13    |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| DATE                                  | Sep-08 | Apr-09 | Aug-09 | Apr-10 | Aug-10 | Apr-11 | Sep-11 | Apr-12 | Aug-12 | Apr-13 | Aug-13 | Apr-14 | Aug-14 | Apr-15 | Aug-15 | Apr-16 | Aug-16 | Apr-17 | Aug-17 | Apr-18 | Aug-18   |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |
| Benzene                               |        |        | 1      |        | 0.44   |        | 0.72   |        | 1.6    |        | 2.8    |        | 1.3    |        | 0.91   |        | 1.8    |        | nd     | nd     | 0.48 J   |
| Toluene                               |        |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd       |
| Ethylbenzene                          |        |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd       |
| Xylene (sum of isomers)               |        |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd       |
| Total BTEX                            |        |        | 1      |        | 0.44   |        | 0.72   |        | 1.6    |        | 2.8    |        | 1.3    |        | 0.91   |        | 1.8    |        | 0      | 0      | 0.48     |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |
| Acenaphthene                          |        |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd       |
| Acenaphthylene                        |        |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd       |
| Anthracene                            |        |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd       |
| Benzo(a)Anthracene                    |        |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd       |
| Benzo(a)Pyrene                        |        |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd       |
| Benzo(b)Fluoranthene                  |        |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd       |
| Benzo(g,h,i)Perylene                  |        |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd       |
| Benzo(k)Fluoranthene                  |        |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd       |
| Chrysene                              |        |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd       |
| Dibenzo(a,h)Anthracene                |        |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd       |
| Fluoranthene                          |        |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd       |
| Fluorene                              |        |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd       |
| Indeno(1,2,3-cd)Pyrene                |        |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd       |
| Naphthalene                           |        |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | 0.44   | nd     | nd       |
| Phenanthrene                          |        |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd       |
| Pyrene                                |        |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd       |
| 2-Methylnaphthalene                   |        |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd       |
| Total PAHs                            |        |        | 0      |        | 0      |        | 0      |        | 0      |        | 0      |        | 0      |        | 0      |        | 0      |        | 0.44   | 0      | 0        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |
| Cyanide, total (Exygen/ Test America) |        |        |        |        | 449    | nd     | 620    | 10     | 670    | nd     | 530    | nd     | 500    | nd     | 400    | nd     | 400    | nd     | 150    | 11     | 190 J    |
| Cyanide, total (Clarkson Univ.)       | 467    | 27     | 327    | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        | nd     | nd     | nd     | 0.87   | 21     | nd     | 5.7    | nd     | nd     | nd     | 7.4    | nd     | nd     | nd     | 22.6   | nd     | nd / 1.6 |
| Cyanide, free (Clarkson Univ.)        | 8.2    | nd     | nd     | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |
| Water Elevation (feet)                | 578.95 | 579.44 | 578.59 | 579.65 | 578.10 | 581.97 | 577.73 | 579.09 | 577.19 | 579.74 | 578.43 | 580.29 | 577.85 | 578.53 | 578.35 | 578.35 | 577.12 | 579.98 | 579.24 | 581.29 | 578.31   |

Notes:

nd - non-detect

open space - no data

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

Appendix B  
Groundwater and Surface Water Monitoring Results  
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(all units in µg/L)

| MW-14                                 | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  |        |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Aug-95 | May-96 | Jul-97 | Feb-98 | Jun-99 | Apr-00 | Apr-01 | Jul-01 | Nov-01 | Apr-02 | Jun-02 | Nov-02 | Apr-03 | Jul-03 | Nov-03 | Mar-04 | Jun-04 | Nov-04 | Apr-05 | Jul-05 | Apr-06 | Aug-06 | Apr-07 | Aug-07 | Apr-08 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Toluene                               |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Ethylbenzene                          |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Xylene (sum of isomers)               |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total BTEX                            |        |        | 0      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthylene                        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Anthracene                            |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(a)Anthracene                    |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(a)Pyrene                        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(b)Fluoranthene                  |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(g,h,i)Perylene                  |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(k)Fluoranthene                  |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Chrysene                              |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Dibenzo(a,h)Anthracene                |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fluoranthene                          |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fluorene                              |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Indeno(1,2,3-cd)Pyrene                |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Naphthalene                           |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Phenanthrene                          |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Pyrene                                |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 2-Methylnaphthalene                   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total PAHs                            |        |        | 0      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        | 644    |        | 427    | 800    | 914    | 378    | 449    | 886    | 416    | 487    | 664    | 962    | 583    | nd     | 503    | 537    |        |        |        |        |        |        |        |
| Cyanide, total (Clarkson Univ.)       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 514    | 571    |        | 423    | 305    | 281    | 404    | 422    | 374    |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        |        | nd     | nd     | nd     | nd     | nd     | 17     | 12     | nd     | 9      | 7      | nd     | 14     | 13     |        |        |        |        |        |        |        |
| Cyanide, free (Clarkson Univ.)        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | 4      |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                |        |        | 577.36 | 579.19 | 577.03 | 578.44 | 578.21 | 577.21 | 577.31 | 578.56 | 577.61 | 576.76 | 577.92 | 577.23 | 577.11 | 578.15 | 577.55 | 577.46 |        | 577.07 | 577.99 | 577.29 | 577.89 | 577.43 | 577.87 |

Notes:

nd - non-detect

open space - no data

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

Appendix B  
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(all units in µg/L)

| MW-14                                 | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  | MW-14  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Sep-08 | Apr-09 | Aug-09 | Apr-10 | Aug-10 | Apr-11 | Sep-11 | Apr-12 | Aug-12 | Apr-13 | Aug-13 | Apr-14 | Aug-14 | Apr-15 | Aug-15 | Apr-16 | Aug-16 | Apr-17 | Aug-17 | Apr-18 | Aug-18 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Toluene                               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Ethylbenzene                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Xylene (sum of isomers)               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total BTEX                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthylene                        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Anthracene                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(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                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Pyrene                                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 2-Methylnaphthalene                   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total PAHs                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        |        |        | 541    | 623    | 670    | 610    | 610    | 640    | 600    | 610    | 720    | 610    | 740    | 240    | 560    | 508    | 578    | 520    | 760 J  |
| Cyanide, total (Clarkson Univ.)       | 486    | 425    | 422    | 480    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        | nd     | nd     | nd     | 1.7    | nd     | nd     | nd     | nd     | nd     | nd     | 5.7    | nd     | nd     | nd     | 38.9   | nd     | nd     |
| Cyanide, free (Clarkson Univ.)        | 2.5    | 4.1    | nd     | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                | 576.48 | 577.57 | 577.15 | 578.05 | 577.27 | 579.98 | 577.05 | 577.85 | 576.63 | 578.43 | 577.55 | 578.66 | 577.73 | 577.85 | 577.63 | 578.74 | 576.87 | 578.55 | 579.29 | 578.83 | 577.60 |

Notes:

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As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison



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| MW-15                                 | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Aug-95 | May-96 | Jul-97 | Feb-98 | Jun-99 | Apr-00 | Apr-01 | Jul-01 | Nov-01 | Apr-02 | Jun-02 | Nov-02 | Apr-03 | Jul-03 | Nov-03 | Mar-04 | Jun-04 | Nov-04 | Apr-05 | Jul-05 | Apr-06 | Aug-06 | Apr-07 | Aug-07 | Apr-08 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Toluene                               |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Ethylbenzene                          |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Xylene (sum of isomers)               |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total BTEX                            |        |        | 0      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Naphthalene                           |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthylene                        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fluorene                              |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Phenanthrene                          |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Anthracene                            |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fluoranthene                          |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Pyrene                                |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(a)Anthracene                    |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Chrysene                              |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(b)Fluoranthene                  |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(k)Fluoranthene                  |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(a)Pyrene                        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Indeno(1,2,3-cd)Pyrene                |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Dibenzo(a,h)Anthracene                |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(g,h,i)Perylene                  |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 2-Methylnaphthalene                   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total PAHs                            |        |        | 0      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        | 78.8   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Clarkson Univ.)       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Clarkson Univ.)        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                |        |        | 579.11 | 579.81 | 578.70 | 580.15 | 580.55 | 578.98 | 579.49 | 580.98 | 579.48 | 578.88 | 580.40 | 579.11 | 579.30 | 581.04 | 579.99 | ---    | 580.54 | 579.45 | 580.54 | 579.36 | ---    | 577.89 | 580.60 |

Notes:

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open space - no data

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

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| MW-15                                 | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  | MW-15  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Sep-08 | Apr-09 | Aug-09 | Apr-10 | Aug-10 | Apr-11 | Sep-11 | Apr-12 | Aug-12 | Apr-13 | Aug-13 | Apr-14 | Aug-14 | Apr-15 | Aug-15 | Apr-16 | Aug-16 | Apr-17 | Aug-17 | Apr-18 | Aug-18 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Toluene                               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Ethylbenzene                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Xylene (sum of isomers)               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total BTEX                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Naphthalene                           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthylene                        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fluorene                              |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Phenanthrene                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Anthracene                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fluoranthene                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Pyrene                                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(a)Anthracene                    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Chrysene                              |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(b)Fluoranthene                  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(k)Fluoranthene                  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(a)Pyrene                        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Indeno(1,2,3-cd)Pyrene                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Dibenzo(a,h)Anthracene                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(g,h,i)Perylene                  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 2-Methylnaphthalene                   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total PAHs                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Clarkson Univ.)       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Clarkson Univ.)        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                | 579.65 | 580.61 | 579.65 | 580.87 | 579.18 | 582.58 | 578.76 | NM     | 576.28 | 580.93 | 579.55 | 581.18 | 578.77 | 580.85 | 579.34 | 581.1  | 577.9  | 580.82 | 580.38 | 580.53 | 579.33 |

Notes:

nd - non-detect

open space - no data

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

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| MW-16                                 | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Aug-95 | May-96 | Jul-97 | Feb-98 | Jun-99 | Apr-00 | Apr-01 | Jul-01 | Nov-01 | Apr-02 | Jun-02 | Nov-02 | Apr-03 | Jul-03 | Nov-03 | Mar-04 | Jun-04 | Nov-04 | Apr-05 | Jul-05 | Apr-06 | Aug-06 | Apr-07 | Aug-07 | Apr-08 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Toluene                               |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Ethylbenzene                          |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Xylene (sum of isomers)               |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total BTEX                            |        |        | 0      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Naphthalene                           |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthylene                        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fluorene                              |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Phenanthrene                          |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Anthracene                            |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fluoranthene                          |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Pyrene                                |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(a)Anthracene                    |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Chrysene                              |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(b)Fluoranthene                  |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(k)Fluoranthene                  |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(a)Pyrene                        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Indeno(1,2,3-cd)Pyrene                |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Dibenzo(a,h)Anthracene                |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(g,h,i)Perylene                  |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 2-Methylnaphthalene                   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total PAHs                            |        |        | 0      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        | 346    |        | 459    | 360    | 214    | 214    | 138    | 174    | 23     | 187    | 203    | 130    | 220    | 254    | 297    | 293    | 307    |        |        |        |        |        |        |
| Cyanide, total (Clarkson Univ.)       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 332    | 297    | 305    | 299    | 266    | 368    | 317    | 429    | 467    |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        |        | nd     | nd     | 147    | nd     | nd     | 17     | 13     | nd     | 89     | 20     | 95     | 12     | 104    | nd     |        |        |        |        |        |        |
| Cyanide, free (Clarkson Univ.)        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 3.4    | 2.8    | nd     | nd     | nd     | nd     | nd     | 4      | 6.9    |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                |        |        | 580.17 | 581.49 | 579.66 | 581.81 | 581.59 | 580.06 | 580.77 | 582.08 | 580.23 | 580.34 | 581.92 | 580.42 | 580.95 | 582.83 | 581.35 | 581.72 | 581.08 | 579.91 | 582.14 | 580.56 | 582.87 | 578.25 | 581.82 |

Notes:

nd - non-detect

open space - no data

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

Appendix B  
Groundwater and Surface Water Monitoring Results  
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Mineral Springs Road Former Manufactured Gas Plant Site  
(all units in µg/L)

| MW-16                                 | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  | MW-16  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Sep-08 | Apr-09 | Aug-09 | Apr-10 | Aug-10 | Apr-11 | Sep-11 | Apr-12 | Aug-12 | Apr-13 | Aug-13 | Apr-14 | Aug-14 | Apr-15 | Aug-15 | Apr-16 | Aug-16 | Apr-17 | Aug-17 | Apr-18 | Aug-18 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Toluene                               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Ethylbenzene                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Xylene (sum of isomers)               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total BTEX                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Naphthalene                           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthylene                        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fluorene                              |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Phenanthrene                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Anthracene                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fluoranthene                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Pyrene                                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(a)Anthracene                    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Chrysene                              |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(b)Fluoranthene                  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(k)Fluoranthene                  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(a)Pyrene                        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Indeno(1,2,3-cd)Pyrene                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Dibenzo(a,h)Anthracene                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(g,h,i)Perylene                  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 2-Methylnaphthalene                   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total PAHs                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        |        |        | 602    | 617    | 700    | 840    | 750    | 880    | 740    | 730    | 1300   | 1100   | 1500   | 1700   | 1700   | 1570   | 1690   | 1900   | 2500 J |
| Cyanide, total (Clarkson Univ.)       | 540    | 531    | 504    | 566    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        | 7.0    | 9.0    | 7.0    | 9.5    | 37     | 32.0   | 9.5    | 7.2    | 20     | 13.0   | 20     | 11     | 8      | 17     | 38.8   | 18.1 J | 18.3   |
| Cyanide, free (Clarkson Univ.)        | 5.0    | 5.5    | 4.4    | 2.4    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                | 581.7  | 582.26 | 581.28 | 582.21 | 580.23 | 584.06 | 580.04 | 582.00 | 576.28 | 582.59 | 580.78 | 582.87 | 579.61 | 582.58 | 580.49 | 582.87 | 578.24 | 582.42 | 581.99 | 580.29 | 579.34 |

Notes:

nd - non-detect

open space - no data

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison



Appendix B  
Groundwater and Surface Water Monitoring Results  
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Mineral Springs Road Former Manufactured Gas Plant Site  
(all units in µg/L)

| MW-17                                 | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Aug-95 | May-96 | Jul-97 | Feb-98 | Jun-99 | Apr-00 | Apr-01 | Jul-01 | Nov-01 | Apr-02 | Jun-02 | Nov-02 | Apr-03 | Jul-03 | Nov-03 | Mar-04 | Jun-04 | Nov-04 | Apr-05 | Jul-05 | Apr-06 | Aug-06 | Apr-07 | Aug-07 | Apr-08 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.32   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Toluene                               |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Ethylbenzene                          |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 1.1    | nd     |
| Xylene (sum of isomers)               |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.63   | nd     |
| Total BTEX                            |        |        |        | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0.32   | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 1.73   | 0      |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Acenaphthylene                        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Anthracene                            |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(a)Anthracene                    |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(a)Pyrene                        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(b)Fluoranthene                  |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(g,h,i)Perylene                  |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(k)Fluoranthene                  |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Chrysene                              |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Dibenzo(a,h)Anthracene                |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Fluoranthene                          |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Fluorene                              |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Indeno(1,2,3-cd)Pyrene                |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Naphthalene                           |        |        |        | nd     | nd     | nd     | nd     | 3      | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Phenanthrene                          |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Pyrene                                |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| 2-Methylnaphthalene                   |        |        |        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Total PAHs                            |        |        |        | 0      | 0      | 0      | 0      | 3      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        |        | 34     | nd     | 27     | 65     | 38     | 74     | 185    | 127    | 108    | 185    | 50     | 66     | 378    | 106    | 160    | 217    |        |        |        |        |        |        |
| Cyanide, total (Clarkson Univ.)       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 142    | 162    | 260    | 161    | 263    | 183    | 369    | 148    | 285    |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        |        | nd     | 13     | nd     | nd     | nd     | nd     | nd     | nd     | 16     | nd     | nd     | nd     | nd     | 61     |        |        |        |        |        |        |
| Cyanide, free (Clarkson Univ.)        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | nd     | nd     | nd     | nd     | nd     | 5.2    | nd     | nd     | nd     | 5.9    |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                |        |        |        | 582.36 | 579.73 | 581.90 | 581.96 | 580.12 | 580.88 | 582.38 | 579.86 | 580.48 | 582.01 | 580.46 | 580.96 | 582.40 | 581.27 | 581.72 | 582.71 | 579.96 | 582.14 | 580.62 | 582.87 | 578.36 | 583.02 |

Notes:

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As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

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(all units in µg/L)

| MW-17                                 | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  | MW-17  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Sep-08 | Apr-09 | Aug-09 | Apr-10 | Aug-10 | Apr-11 | Sep-11 | Apr-12 | Aug-12 | Apr-13 | Aug-13 | Apr-14 | Aug-14 | Apr-15 | Aug-15 | Apr-16 | Aug-16 | Apr-17 | Aug-17 | Apr-18 | Aug-18 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 12.0   |
| Toluene                               | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Ethylbenzene                          | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 3 J    |
| Xylene (sum of isomers)               | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Total BTEX                            | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 15     |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Acenaphthylene                        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Anthracene                            | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(a)Anthracene                    | nd     | nd     | nd     | nd     | 0.61   | nd     | 1.3    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(a)Pyrene                        | nd     | nd     | nd     | nd     | 0.50   | nd     | 1.80   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(b)Fluoranthene                  | nd     | nd     | nd     | nd     | 0.54   | nd     | 2      | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(g,h,i)Perylene                  | nd     | nd     | nd     | nd     | 0.7    | nd     | 1.6    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(k)Fluoranthene                  | nd     | nd     | nd     | nd     | 0.59   | nd     | 1.5    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Chrysene                              | nd     | nd     | nd     | nd     | 0.63   | nd     | 1.3    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Dibenzo(a,h)Anthracene                | nd     | nd     | nd     | nd     | 0.83   | nd     | 4.7    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Fluoranthene                          | nd     | nd     | nd     | nd     | nd     | nd     | 0.73   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Fluorene                              | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Indeno(1,2,3-cd)Pyrene                | nd     | nd     | nd     | nd     | 0.76   | nd     | 4.4    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Naphthalene                           | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.75   | nd     | nd     | nd     | nd     | 1.5    | 0.5    | no     | 0.45   | nd     | 18.0   |
| Phenanthrene                          | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Pyrene                                | nd     | nd     | nd     | nd     | nd     | nd     | 0.75   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| 2-Methylnaphthalene                   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Total PAHs                            | 0      | 0      | 0      | 0      | 5.16   | 0      | 20.08  | 0      | 0      | 0      | 0.75   | 0      | 0      | 0      | 0      | 1.5    | 0.53   | 0      | 0.45   | 0      | 18.0   |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        |        |        | 93     | 297    | 230    | 210    | 81     | 160    | 98     | 198    | 160    | 220    | 89     | 240    | 60     | 124    | 173    | 110    | 110 J  |
| Cyanide, total (Clarkson Univ.)       | 144    | 279    | 148    | 242    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        | nd     | 4      | nd     | 0.98   | nd     | 1.20   | nd     | nd     | nd     | nd     | 9.5    | nd     | nd     | nd     | nd     | nd     | nd     |
| Cyanide, free (Clarkson Univ.)        | nd     | 5.0    | nd     | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                | 581.13 | 582.30 | 581.36 | 582.61 | 580.18 | 583.98 | NM     | 581.93 | 578.92 | 582.68 | 580.77 | 582.86 | 579.68 | 582.58 | 580.46 | 582.89 | 578.43 | 582.53 | 581.95 | 583.30 | 580.59 |

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|                                       |        |        |        |        |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| MW-18                                 | MW-18  | MW-18  | MW-18  | MW-18  | MW-18  | MW-18  | MW-18  | MW-18  | MW-18  | MW-18  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DATE                                  | Aug-95 | May-96 | Jul-97 | Feb-98 | Jun-99 | Apr-00 | Apr-01 | Jul-01 | Nov-01 | Apr-02 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                       |        |        |        |        |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Benzene                               |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Toluene                               |        |        |        | nd     | nd     | nd     | nd     | 1.1    | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ethylbenzene                          |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Xylene (sum of isomers)               |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total BTEX                            |        |        |        | 0      | 0      | 0      | 0      | 1.1    | 0      | 0      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                       |        |        |        |        |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Naphthalene                           |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Acenaphthylene                        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Acenaphthene                          |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fluorene                              |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Phenanthrene                          |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Anthracene                            |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fluoranthene                          |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pyrene                                |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Benzo(a)Anthracene                    |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Chrysene                              |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Benzo(b)Fluoranthene                  |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Benzo(k)Fluoranthene                  |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Benzo(a)Pyrene                        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Indeno(1,2,3-cd)Pyrene                |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dibenzo(a,h)Anthracene                |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Benzo(g,h,i)Perylene                  |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2-Methylnaphthalene                   |        |        |        |        |        |        | nd     | nd     | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total PAHs                            |        |        |        | 0      | 0      | 0      | 0      | 0      | 0      | 0      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                       |        |        |        |        |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cyanide, total (Exygen/ Test America) |        |        |        | nd     | nd     | nd     | 13     | nd     | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cyanide, total (Clarkson Univ.)       |        |        |        |        |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        |        | nd     | nd     | 24     | nd     | nd     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cyanide, free (Clarkson Univ.)        |        |        |        |        |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                       |        |        |        |        |        |        |        |        |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Water Elevation (feet)                |        |        |        | 585.46 | 582.65 | 585.06 | 585.40 | 583.84 | 583.84 | 582.74 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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|                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| MW-18                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DATE                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Benzene                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Toluene                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ethylbenzene                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Xylene (sum of isomers)               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total BTEX                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Naphthalene                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Acenaphthylene                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Acenaphthene                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fluorene                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Phenanthrene                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Anthracene                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fluoranthene                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pyrene                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Benzo(a)Anthracene                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Chrysene                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Benzo(b)Fluoranthene                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Benzo(k)Fluoranthene                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Benzo(a)Pyrene                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Indeno(1,2,3-cd)Pyrene                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dibenzo(a,h)Anthracene                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Benzo(g,h,i)Perylene                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2-Methylnaphthalene                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total PAHs                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cyanide, total (Exygen/ Test America) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cyanide, total (Clarkson Univ.)       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cyanide, free (Exygen/ Test America)  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cyanide, free (Clarkson Univ.)        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Water Elevation (feet)                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| MW-19                                 | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Aug-95 | May-96 | Jul-97 | Feb-98 | Jun-99 | Apr-00 | Apr-01 | Jul-01 | Nov-01 | Apr-02 | Jun-02 | Nov-02 | Apr-03 | Jul-03 | Nov-03 | Mar-04 | Jun-04 | Nov-04 | Apr-05 | Jul-05 | Apr-06 | Aug-06 | Apr-07 | Aug-07 | Apr-08 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               |        |        |        |        | 4700   | 5700   | 6000   | 4600   | 4700   | 4800   | 3800   | 4200   | 4600   |        | 5300   | 4900   | 6000   | 5800   | 7500   | 5800   | 5800   | 5600   | 6700   | 4500   | 5200   |
| Toluene                               |        |        |        |        | nd     | nd     | nd     | 160    | nd     | nd     | nd     | nd     | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Ethylbenzene                          |        |        |        |        | nd     | 280    | 260    | nd     | nd     | 160    | 150    | 140    | 170    |        | 130    | 170    | 330    | 180    | 350    | 270    | 260    | 200    | 220    | 100    | 210    |
| Xylene (sum of isomers)               |        |        |        |        | 1500   | 2200   | 1500   | 930    | 660    | 580    | 470    | 540    | 560    |        | 400    | 440    | 1000   | 660    | 950    | 770    | 730    | 810    | 710    | 470    | 780    |
| Total BTEX                            |        |        |        |        | 6200   | 8180   | 7760   | 5690   | 5360   | 5540   | 4420   | 4880   | 5330   |        | 5830   | 5510   | 7330   | 6640   | 8800   | 6840   | 6790   | 6610   | 7630   | 5070   | 6190   |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          |        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 1.5    |
| Acenaphthylene                        |        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Anthracene                            |        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(a)Anthracene                    |        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(a)Pyrene                        |        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(b)Fluoranthene                  |        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(g,h,i)Perylene                  |        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(k)Fluoranthene                  |        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Chrysene                              |        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Dibenzo(a,h)Anthracene                |        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Fluoranthene                          |        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Fluorene                              |        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Indeno(1,2,3-cd)Pyrene                |        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Naphthalene                           |        |        |        |        | 1,900  | 2,200  | 2,200  | 2,000  | 2,100  | 2,300  | 2,000  | 2,100  | 2,400  | 2,100  | 2,000  | 2,700  | 2,900  | 2,800  | 3,000  | 2,600  | 2,800  | 3,600  | 3,100  | 4,600  | 4,100  |
| Phenanthrene                          |        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Pyrene                                |        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| 2-Methylnaphthalene                   |        |        |        |        |        |        | nd     | 0.82   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 5.5    | 4.8    | nd     | 5.5    | 4.7    |
| Total PAHs                            |        |        |        |        | 1900   | 2200   | 2200   | 2001   | 2100   | 2300   | 2000   | 2100   | 2400   | 2100   | 2000   | 2700   | 2900   | 2800   | 3000   | 2600   | 2806   | 3605   | 3100   | 4606   | 4106   |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        |        |        | 1100   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Clarkson Univ.)       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Clarkson Univ.)        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                |        |        |        |        | 577.43 | 581.36 | 581.13 | 579.63 | 580.12 | 581.73 | 579.73 | 579.83 | 581.24 | 580.01 | 580.19 | 582.00 | 580.79 | 580.98 | 581.90 | 579.57 | 581.42 | 580.15 | 582.26 | 578.2  | 581.6  |

Notes:

nd - non-detect

open space - no data

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

Appendix B  
Groundwater and Surface Water Monitoring Results  
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(all units in µg/L)

| MW-19                                 | MW-19  | MW-19  | MW-19  | MW-19  | MW-19   | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  | MW-19  |
|---------------------------------------|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Sep-08 | Apr-09 | Aug-09 | Apr-10 | Aug-10  | Apr-11 | Sep-11 | Apr-12 | Aug-12 | Apr-13 | Aug-13 | Apr-14 | Aug-14 | Apr-15 | Aug-15 | Apr-16 | Aug-16 | Apr-17 | Aug-17 | Apr-18 | Aug-18 |
|                                       |        |        |        |        |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               | 3700   | 3700   | 3700   | 4300   | 4700    | 4400   | 4200   | 3800   | 4300   | 4000   | 4800   | 5200   | 5800   | 5300   | 5400   | 4700   | 4900   | 4000   | 5300   | 5400   | 4300 J |
| Toluene                               | nd     | nd     | nd     | nd     | nd      | nd     | nd     | nd     | nd     | nd     | 2.9    | nd     | nd     | nd     | nd     | nd     | 100    | nd     | nd     | nd     | nd     |
| Ethylbenzene                          | 120    | 180    | 170    | 290    | 230     | 280    | 170    | 190    | 130    | 210    | 300    | 550    | 310    | 400    | 430    | 370    | 270    | 410    | 500    | 600    | 310    |
| Xylene (sum of isomers)               | 510    | 470    | 450    | 340    | 190     | nd     | nd     | nd     | nd     | nd     | 75     | nd     | nd     | nd     | nd     | nd     | 200    | 84     | nd     | nd     | nd     |
| Total BTEX                            | 4330   | 4350   | 4320   | 4930   | 5120    | 4680   | 4370   | 3990   | 4430   | 4210   | 5178   | 5750   | 6110   | 5700   | 5830   | 5070   | 5170   | 4410   | 5800   | 6000   | 4610   |
|                                       |        |        |        |        |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          | nd     | nd     | nd     | nd     | 0.27    | nd     | nd     | nd     | nd     | nd     | nd     | 0.74   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Acenaphthylene                        | nd     | nd     | nd     | nd     | nd      | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Anthracene                            | nd     | nd     | nd     | nd     | nd      | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(a)Anthracene                    | nd     | nd     | nd     | nd     | nd      | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(a)Pyrene                        | nd     | nd     | nd     | nd     | nd      | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(b)Fluoranthene                  | nd     | nd     | nd     | nd     | nd      | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(g,h,i)Perylene                  | nd     | nd     | nd     | nd     | nd      | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(k)Fluoranthene                  | nd     | nd     | nd     | nd     | nd      | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Chrysene                              | nd     | nd     | nd     | nd     | nd      | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Dibenzo(a,h)Anthracene                | nd     | nd     | nd     | nd     | nd      | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Fluoranthene                          | nd     | nd     | nd     | nd     | nd      | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Fluorene                              | nd     | nd     | nd     | nd     | nd      | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Indeno(1,2,3-cd)Pyrene                | nd     | nd     | nd     | nd     | nd      | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Naphthalene                           | 2,600  | 3,600  | 3,600  | 3,300  | 3,700   | 3,300  | 2,700  | 3,200  | 2,900  | 2,600  | 4,200  | 5,500  | 5,400  | 4,600  | 5,700  | 3,900  | 2,900  | 6,200  | 4,400  | 4,700  | 4,100  |
| Phenanthrene                          | nd     | nd     | nd     | nd     | nd      | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Pyrene                                | nd     | nd     | nd     | nd     | nd      | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| 2-Methylnaphthalene                   | 3.5    | 6.2    | 6.7    | 7.2    | 7.6     | 9.3    | 6.1    | 6.2    | 11     | 9.5    | nd     | 210    | nd     | nd     | 11     | nd     | nd     | nd     | nd     | nd     | nd     |
| Total PAHs                            | 2603.5 | 3606.2 | 3606.7 | 3307.2 | 3707.87 | 3309.3 | 2706.1 | 3206.2 | 2911   | 2609.5 | 4,200  | 5,711  | 5,400  | 4,600  | 5,711  | 3,900  | 2,900  | 6,200  | 4,400  | 4,700  | 4,100  |
|                                       |        |        |        |        |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        |        |        |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Clarkson Univ.)       |        |        |        |        |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Clarkson Univ.)        |        |        |        |        |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                | 580.52 | 581.46 | 580.70 | 581.8  | 579.78  | 583.45 | 579.54 | 581.21 | 578.62 | 581.47 | 580.27 | 581.92 | 579.28 | 581.68 | 580.04 | 581.93 | 578.15 | 581.67 | 581.20 | 582.25 | 580.03 |

Notes:

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As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

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(all units in µg/L)

| MW-20                                 | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Aug-95 | May-96 | Jul-97 | Feb-98 | Jun-99 | Apr-00 | Apr-01 | Jul-01 | Nov-01 | Apr-02 | Jun-02 | Nov-02 | Apr-03 | Jul-03 | Nov-03 | Mar-04 | Jun-04 | Nov-04 | Apr-05 | Jul-05 | Apr-06 | Aug-06 | Apr-07 | Aug-07 | Apr-08 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Toluene                               |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Ethylbenzene                          |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Xylene (sum of isomers)               |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total BTEX                            |        |        |        |        | 0      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthylene                        |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Anthracene                            |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(a)Anthracene                    |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(a)Pyrene                        |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(b)Fluoranthene                  |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(g,h,i)Perylene                  |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(k)Fluoranthene                  |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Chrysene                              |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Dibenzo(a,h)Anthracene                |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fluoranthene                          |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fluorene                              |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Indeno(1,2,3-cd)Pyrene                |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Naphthalene                           |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Phenanthrene                          |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Pyrene                                |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 2-Methylnaphthalene                   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total PAHs                            |        |        |        |        | 0      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        |        |        | 344    | 450    | 295    | 439    | 46     | 455    | 361    | 8      | 506    | 399    | 21     | 501    | 242    | 387    | 644    |        |        |        |        |        |        |
| Cyanide, total (Clarkson Univ.)       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 242    | 444    | 402    | 160    | 429    | 172    | 469    | 337    | 494    |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        |        | nd     | 13     | nd     | nd     | nd     | 10     | 9      | nd     | 44     | 14     | nd     | nd     | 53     | 13     |        |        |        |        |        |        |
| Cyanide, free (Clarkson Univ.)        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 2.6    | 3.2    |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                |        |        |        |        | 576.67 | 579.24 | 578.86 | 576.76 | 577.15 | 579.20 | 577.49 | 576.60 | 578.34 | 576.90 | 577.16 | 578.96 | 577.42 | 577.82 | 578.82 | 576.60 | 578.20 | 577.07 | 579.03 | 575.78 | 578.43 |

Notes:

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| MW-20                                 | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  | MW-20  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Sep-08 | Apr-09 | Aug-09 | Apr-10 | Aug-10 | Apr-11 | Sep-11 | Apr-12 | Aug-12 | Apr-13 | Aug-13 | Apr-14 | Aug-14 | Apr-15 | Aug-15 | Apr-16 | Aug-16 | Apr-17 | Aug-17 | Apr-18 | Aug-18 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Toluene                               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Ethylbenzene                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Xylene (sum of isomers)               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total BTEX                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthylene                        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Anthracene                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(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                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Pyrene                                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 2-Methylnaphthalene                   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total PAHs                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        |        |        | 139    | 690    | 560    | 790    | 280    | 730    | 390    | 660    | 150    | 890    | 640    | 1000   | 560    | 874    | 1000   | 600    | 850 J  |
| Cyanide, total (Clarkson Univ.)       | 115    | 418    | 268    | 495    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        | nd     | 6      | nd     | 2.2    | 6.0    | 4.9    | nd     | 2.0    | nd     | nd     | 5.9    | nd     | nd     | nd     | 33.2   | nd     | nd     |
| Cyanide, free (Clarkson Univ.)        | nd     | nd     | nd     | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                | 577.4  | 578.78 | 577.87 | 578.9  | 577.11 | 580.62 | 576.41 | 578.45 | 574.20 | 579.25 | 577.23 | 579.81 | 579.28 | 579.37 | 580.04 | 579.76 | 575.85 | 579.19 | 578.34 | 580.68 | 576.90 |

Notes:

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Mineral Springs Road Former Manufactured Gas Plant Site  
(all units in µg/L)

| MW-21                                 | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Aug-95 | May-96 | Jul-97 | Feb-98 | Jun-99 | Apr-00 | Apr-01 | Jul-01 | Nov-01 | Apr-02 | Jun-02 | Nov-02 | Apr-03 | Jul-03 | Nov-03 | Mar-04 | Jun-04 | Nov-04 | Apr-05 | Jul-05 | Apr-06 | Aug-06 | Apr-07 | Aug-07 | Apr-08 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Toluene                               |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Ethylbenzene                          |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Xylene (sum of isomers)               |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total BTEX                            |        |        |        |        | 0      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Naphthalene                           |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthylene                        |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fluorene                              |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Phenanthrene                          |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Anthracene                            |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fluoranthene                          |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Pyrene                                |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(a)Anthracene                    |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Chrysene                              |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(b)Fluoranthene                  |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(k)Fluoranthene                  |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(a)Pyrene                        |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Indeno(1,2,3-cd)Pyrene                |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Dibenzo(a,h)Anthracene                |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(g,h,i)Perylene                  |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 2-Methylnaphthalene                   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total PAHs                            |        |        |        |        | 0      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        |        |        | 511    | 560    | 898    | 558    | 535    | 756    | 674    | 670    | 637    | 708    | 569    | 714    | 741    | 740    | 664    |        |        |        |        |        |        |
| Cyanide, total (Clarkson Univ.)       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 749    | 709    | 688    | 545    | 404    | 448    | 574    | 560    | 543    |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        |        | nd     | 14     | nd     | nd     | 24     | 12     | 13     | nd     | 11     | nd     | nd     | nd     | 7      | 20     |        |        |        |        |        |        |
| Cyanide, free (Clarkson Univ.)        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | nd     | nd     | nd     | nd     | 2.6    | nd     | nd     | nd     | 18.5   |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                |        |        |        |        | 576.51 | 578.08 | 577.68 | 576.55 | 576.58 | 578.03 | 576.97 | 576.28 | 575.32 | 576.55 | 576.42 | 577.70 | 576.86 | 576.85 | 577.71 | 576.38 | 577.28 | 576.75 | 578.38 | 576.79 | 577.42 |

Notes:

nd - non-detect

open space - no data

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

Appendix B  
Groundwater and Surface Water Monitoring Results  
2018 Periodic Review Report  
Mineral Springs Road Former Manufactured Gas Plant Site  
(all units in µg/L)

| MW-21                                 | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  | MW-21  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Sep-08 | Apr-09 | Aug-09 | Apr-10 | Aug-10 | Apr-11 | Sep-11 | Apr-12 | Aug-12 | Apr-13 | Aug-13 | Apr-14 | Aug-14 | Apr-15 | Aug-15 | Apr-16 | Aug-16 | Apr-17 | Aug-17 | Apr-18 | Aug-18 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Toluene                               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Ethylbenzene                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Xylene (sum of isomers)               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total BTEX                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Naphthalene                           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthylene                        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fluorene                              |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Phenanthrene                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Anthracene                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fluoranthene                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Pyrene                                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(a)Anthracene                    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Chrysene                              |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(b)Fluoranthene                  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(k)Fluoranthene                  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(a)Pyrene                        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Indeno(1,2,3-cd)Pyrene                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Dibenzo(a,h)Anthracene                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(g,h,i)Perylene                  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 2-Methylnaphthalene                   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total PAHs                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        |        |        | 433    | 539    | 420    | 480    | 420    | 490    | 460    | 453    | 430    | 500    | 440    | 430    | 320    | 371    | 946    | 710    | 410 J  |
| Cyanide, total (Clarkson Univ.)       | 417    | 485    | 441    | 508    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        | nd     | 6      | nd     | 1.6    | nd     | nd     | nd     | 2.1    | nd     | nd     | 5.5    | nd     | nd     | nd     | 26.6   | nd     | nd     |
| Cyanide, free (Clarkson Univ.)        | 4.2    | nd     | nd     | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                | 576.94 | 577.35 | 576.93 | 577.43 | 576.67 | 579.32 | 575.29 | 577.09 | 575.89 | 577.59 | 576.80 | 578.24 | 576.54 | 577.82 | 576.89 | 578.05 | 576.05 | 577.87 | 577.52 | 579.42 | 576.78 |

Notes:

nd - non-detect

open space - no data

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

Appendix B  
Groundwater and Surface Water Monitoring Results  
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Mineral Springs Road Former Manufactured Gas Plant Site  
(all units in µg/L)

| MW-22                                 | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Aug-95 | May-96 | Jul-97 | Feb-98 | Jun-99 | Apr-00 | Apr-01 | Jul-01 | Nov-01 | Apr-02 | Jun-02 | Nov-02 | Apr-03 | Jul-03 | Nov-03 | Mar-04 | Jun-04 | Nov-04 | Apr-05 | Jul-05 | Apr-06 | Aug-06 | Apr-07 | Aug-07 | Apr-08 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               |        |        |        |        | 6      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Toluene                               |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Ethylbenzene                          |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Xylene (sum of isomers)               |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total BTEX                            |        |        |        |        | 6      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Naphthalene                           |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthylene                        |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fluorene                              |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Phenanthrene                          |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Anthracene                            |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fluoranthene                          |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Pyrene                                |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(a)Anthracene                    |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Chrysene                              |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(b)Fluoranthene                  |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(k)Fluoranthene                  |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(a)Pyrene                        |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Indeno(1,2,3-cd)Pyrene                |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Dibenzo(a,h)Anthracene                |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(g,h,i)Perylene                  |        |        |        |        | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 2-Methylnaphthalene                   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total PAHs                            |        |        |        |        | 0      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        |        |        | 487    | 600    | 1010   | 734    | 460    | 703    | 1570   | 467    | 604    | 560    | 1080   | 741    | 504    | 803    | 941    |        |        |        |        |        |        |
| Cyanide, total (Clarkson Univ.)       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 676    | 759    | 628    | 534    | 587    | 540    | 642    | 641    | 666    |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        |        | nd     | nd     | 201    | nd     | nd     | 49     | 231    | 267    | 88     | 49     | 132    | nd     | 207    | 99     |        |        |        |        |        |        |
| Cyanide, free (Clarkson Univ.)        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | nd     | 8      | nd     | 3.1    | 2.4    | nd     | nd     | nd     | 4.3    | 5.9    |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                |        |        |        |        | 578.80 | 580.70 | 580.51 | 579.09 | 579.50 | 581.25 | 580.05 | 579.10 | 580.62 | 579.42 | 579.47 | 581.27 | 580.05 | 580.22 | 581.28 | 579.13 | 580.69 | 579.60 | 581.75 | 578.02 | 581.03 |

Notes:

nd - non-detect

open space - no data

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

Appendix B  
Groundwater and Surface Water Monitoring Results  
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Mineral Springs Road Former Manufactured Gas Plant Site  
(all units in µg/L)

| MW-22                                 | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  | MW-22  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Sep-08 | Apr-09 | Aug-09 | Apr-10 | Aug-10 | Apr-11 | Sep-11 | Apr-12 | Aug-12 | Apr-13 | Aug-13 | Apr-14 | Aug-14 | Apr-15 | Aug-15 | Apr-16 | Aug-16 | Apr-17 | Aug-17 | Apr-18 | Aug-18 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Toluene                               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Ethylbenzene                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Xylene (sum of isomers)               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total BTEX                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Naphthalene                           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthylene                        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fluorene                              |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Phenanthrene                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Anthracene                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Fluoranthene                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Pyrene                                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(a)Anthracene                    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Chrysene                              |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(b)Fluoranthene                  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(k)Fluoranthene                  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(a)Pyrene                        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Indeno(1,2,3-cd)Pyrene                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Dibenzo(a,h)Anthracene                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzo(g,h,i)Perylene                  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 2-Methylnaphthalene                   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Total PAHs                            |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        |        |        | 778    | 1030   | 860    | 1000   | 870    | 1100   | 770    | 746    | 790    | 770    | 990    | 1600   | 760    | 676    | 830    | 440    | 1000 J |
| Cyanide, total (Clarkson Univ.)       | 785    | 704    | 690    | 771    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        | nd     | 7      | nd     | 5.5    | 26     | 9.2    | 14.1   | 24.0   | 11.6   | 11.2   | 6.5    | 8.3    | nd     | 12.0   | 24.6   | nd     | 7.6    |
| Cyanide, free (Clarkson Univ.)        | 3.3    | 3.1    | 3.4    | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                | 579.93 | 580.86 | 580.03 | 581.19 | 579.29 | 583.13 | 578.99 | 580.56 | 578.26 | 581.17 | 579.69 | 581.51 | 578.85 | 581.18 | 579.53 | 581.37 | 577.93 | 581.20 | 580.56 | 582.09 | 579.55 |

Notes:

nd - non-detect

open space - no data

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

Appendix B  
Groundwater and Surface Water Monitoring Results  
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(all units in µg/L)

| MW-23                                 | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  |        |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Aug-95 | May-96 | Jul-97 | Feb-98 | Jun-99 | Apr-00 | Apr-01 | Jul-01 | Nov-01 | Apr-02 | Jun-02 | Nov-02 | Apr-03 | Jul-03 | Nov-03 | Mar-04 | Jun-04 | Nov-04 | Apr-05 | Jul-05 | Apr-06 | Aug-06 | Apr-07 | Aug-07 | Apr-08 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               |        |        |        |        |        | nd     |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        |        |        |
| Toluene                               |        |        |        |        |        | nd     |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        |        |        |
| Ethylbenzene                          |        |        |        |        |        | nd     |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        |        |        |
| Xylene (sum of isomers)               |        |        |        |        |        | nd     |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        |        |        |
| Total BTEX                            |        |        |        |        |        | 0      |        |        |        |        |        | 0      |        |        | 0      |        |        | 0      |        |        |        | 0      |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          |        |        |        |        |        | nd     |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        |        |        |
| Acenaphthylene                        |        |        |        |        |        | nd     |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        |        |        |
| Anthracene                            |        |        |        |        |        | nd     |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        |        |        |
| Benzo(a)Anthracene                    |        |        |        |        |        | nd     |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        |        |        |
| Benzo(a)Pyrene                        |        |        |        |        |        | nd     |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        |        |        |
| Benzo(b)Fluoranthene                  |        |        |        |        |        | nd     |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        |        |        |
| Benzo(g,h,i)Perylene                  |        |        |        |        |        | nd     |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        |        |        |
| Benzo(k)Fluoranthene                  |        |        |        |        |        | nd     |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        |        |        |
| Chrysene                              |        |        |        |        |        | nd     |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        |        |        |
| Dibenzo(a,h)Anthracene                |        |        |        |        |        | nd     |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        |        |        |
| Fluoranthene                          |        |        |        |        |        | nd     |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        |        |        |
| Fluorene                              |        |        |        |        |        | nd     |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        |        |        |
| Indeno(1,2,3-cd)Pyrene                |        |        |        |        |        | nd     |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        |        |        |
| Naphthalene                           |        |        |        |        |        | nd     |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | 3.6    |        |        |        |
| Phenanthrene                          |        |        |        |        |        | nd     |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        |        |        |
| Pyrene                                |        |        |        |        |        | nd     |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        |        |        |
| 2-Methylnaphthalene                   |        |        |        |        |        |        |        |        |        |        |        | nd     |        |        | nd     |        |        | nd     |        |        |        | nd     |        |        |        |
| Total PAHs                            |        |        |        |        |        | 0      |        |        |        |        |        | 0      |        |        | 0      |        |        | 0      |        |        |        | 3.6    |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        |        |        |        | 480    | 658    | 469    | 654    | 480    | 425    | 728    | 356    | 620    | 729    | 587    | 446    | 437    | 274    |        |        |        |        |        |        |
| Cyanide, total (Clarkson Univ.)       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 493    | 560    | 359    | 325    | 267    | 321    | 326    | 374    | 252    |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        |        | nd     | nd     | nd     | nd     | nd     | 12     | 10     | nd     | 15     | 6      | 5      | 9      | 5      | 57     |        |        |        |        |        |        |
| Cyanide, free (Clarkson Univ.)        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 3.2    |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                |        |        |        |        |        | 578.66 | 578.30 | 577.40 | 577.58 | 578.69 | 577.83 | 577.18 | 578.11 | 577.40 | 577.29 | 578.54 | 577.83 | 577.91 | 578.61 | 577.44 | 578.19 | 577.63 | 578.95 | 577.19 | 578.37 |

Notes:

nd - non-detect

open space - no data

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison



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(all units in µg/L)

| MW-23                                 | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  | MW-23  |        |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Sep-08 | Apr-09 | Aug-09 | Apr-10 | Aug-10 | Apr-11 | Sep-11 | Apr-12 | Aug-12 | Apr-13 | Aug-13 | Apr-14 | Aug-14 | Apr-15 | Aug-15 | Apr-16 | Aug-16 | Apr-17 | Aug-17 | Apr-18 | Aug-18 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd     |
| Toluene                               | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd     |
| Ethylbenzene                          | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd     |
| Xylene (sum of isomers)               | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd     |
| Total BTEX                            | 0      |        | 0      |        | 0      |        | 0      |        | 0      |        | 0      |        | 0      |        | 0      |        | 0      |        | 0      | 0      | 0      |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd     |
| Acenaphthylene                        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd     |
| Anthracene                            | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd     |
| Benzo(a)Anthracene                    | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd     |
| Benzo(a)Pyrene                        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | 0.33 J | 0.37 J |
| Benzo(b)Fluoranthene                  | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | 0.53   | 0.63   |
| Benzo(g,h,i)Perylene                  | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | 0.38 J | nd     |
| Benzo(k)Fluoranthene                  | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | 0.24 J | 0.27 J |
| Chrysene                              | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | 0.33 J | 0.41 J |
| Dibenzo(a,h)Anthracene                | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd     |
| Fluoranthene                          | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | 0.61   | 0.71   |
| Fluorene                              | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd     |
| Indeno(1,2,3-cd)Pyrene                | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd     |
| Naphthalene                           | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | 1.2    |        | 1.5    |        | 0.52   |        | nd     |        | 0.46   | nd     | nd     |
| Phenanthrene                          | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | 0.39 J |
| Pyrene                                | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | 0.48 J | 0.59   |
| 2-Methylnaphthalene                   | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     |        | nd     | nd     | nd     |
| Total PAHs                            | 0      |        | 0      |        | 0      |        | 0      |        | 0      |        | 1.2    |        | 1.5    |        | 0.52   |        | 0      |        | 0.46   | 2.9    | 3.37   |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        |        |        | 299    | 307    | 360    | 220    | 330    | 570    | 780    | 684    | 670    | 490    | 480    | 120    | 300    | 236    | 329    | 410    | 320 J  |
| Cyanide, total (Clarkson Univ.)       | 344    | 276    | 320    | 277    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        | nd     | 6      | 4      | 2.4    | nd     | 0.7    | 8.1    | nd     | nd     | nd     | 22.3   | nd     | nd     | nd     | 166.0  | nd     | nd     |
| Cyanide, free (Clarkson Univ.)        | 11.7   | nd     | nd     | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                | 577.83 | 578.16 | 577.95 | 578.44 | 577.53 | 580.42 | 577.09 | 578.03 | 576.78 | 578.59 | 577.67 | 579.05 | 577.43 | 578.63 | 577.75 | 578.86 | 576.96 | 577.74 | 578.53 | 579.06 | 577.75 |

Notes:

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As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

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(all units in µg/L)

| SW-01                                 | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  |        |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Aug-95 | May-96 | Jul-97 | Feb-98 | Jun-99 | Apr-00 | Apr-01 | Jul-01 | Nov-01 | Apr-02 | Jun-02 | Nov-02 | Apr-03 | Jul-03 | Nov-03 | Mar-04 | Jun-04 | Nov-04 | Apr-05 | Jul-05 | Apr-06 | Aug-06 | Apr-07 | Aug-07 | Apr-08 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               |        |        | nd     |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.44   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | Dry    | nd     |
| Toluene                               |        |        | nd     |        |        |        | nd     | nd     | nd     | nd     | 2      | nd     | nd     | nd     | nd     | 0.38   | nd     | nd     | nd     | 0.47   | nd     | nd     | nd     |        | nd     |
| Ethylbenzene                          |        |        | nd     |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.23   | nd     |        | nd     |
| Xylene (sum of isomers)               |        |        | nd     |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Total BTEX                            |        |        | 0      |        |        |        | 0      | 0      | 0      | 0      | 2      | 0      | 0      | 0      | 0      | 0.82   | 0      | 0      | 0      | 0.47   | 0      | 0.23   | 0      |        | 0      |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          |        |        | nd     |        |        |        | nd     | 1.1    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Acenaphthylene                        |        |        | nd     |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Anthracene                            |        |        | nd     |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Benzo(a)Anthracene                    |        |        | nd     |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Benzo(a)Pyrene                        |        |        | nd     |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Benzo(b)Fluoranthene                  |        |        | nd     |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Benzo(g,h,i)Perylene                  |        |        | nd     |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Benzo(k)Fluoranthene                  |        |        | nd     |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Chrysene                              |        |        | nd     |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Dibenzo(a,h)Anthracene                |        |        | nd     |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Fluoranthene                          |        |        | nd     |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.5    | nd     | nd     | nd     |        | nd     |
| Fluorene                              |        |        | nd     |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Indeno(1,2,3-cd)Pyrene                |        |        | nd     |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Naphthalene                           |        |        | nd     |        |        |        | nd     | 2.9    | nd     | nd     | nd     | 1.6    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 32     | nd     | nd     |        | 2.3    |
| Phenanthrene                          |        |        | nd     |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Pyrene                                |        |        | nd     |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.4    | nd     | nd     | nd     |        | nd     |
| 2-Methylnaphthalene                   |        |        |        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Total PAHs                            |        |        | 0      |        |        |        | 0      | 4      | 0      | 0      | 0      | 1.6    | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0.9    | 32     | 0      | 0      |        | 2.3    |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        | 12.2   |        |        |        | 21     | 55     | 35     | 8      | 405    | 21     | 13     | 88     | 36     | 989    | 40     | 38     | 9      |        |        |        |        |        |        |
| Cyanide, total (Clarkson Univ.)       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 46     | 53     | 10     | 5      | 4      | 24     | nd     |        | 14     |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        |        |        | nd     | 16     | nd     | nd     | 29     | 6      | nd     | 10     | nd     | 86     | 6      | 19     | nd     |        |        |        |        |        |        |
| Cyanide, free (Clarkson Univ.)        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 98.1   | nd     | nd     | 3.2    | 2.4    | 2.3    | 2.4    | 5      |        | nd     |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                |        |        |        |        | 579.80 | 580.40 | 580.10 | 580.00 | 580.10 | 581.00 | 579.60 | 579.80 | 580.70 | 581.40 | 582.00 | 582.30 | 580.60 | 581.30 | 581.30 | 579.90 | 581.60 | 580.20 | 582.80 |        | 581.57 |

Notes:

nd - non-detect

open space - no data

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

Appendix B  
Groundwater and Surface Water Monitoring Results  
2018 Periodic Review Report  
Mineral Springs Road Former Manufactured Gas Plant Site  
(all units in µg/L)

| SW-01                                 | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  | SW-01  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Sep-08 | Apr-09 | Aug-09 | Apr-10 | Aug-10 | Apr-11 | Sep-11 | Apr-12 | Aug-12 | Apr-13 | Aug-13 | Apr-14 | Aug-14 | Apr-15 | Aug-15 | Apr-16 | Aug-16 | Apr-17 | Aug-17 | Apr-18 | Aug-18 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               | nd     | nd     | nd     | nd     | nd     | nd     | 0.15   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Toluene                               | nd     | nd     | nd     | nd     | nd     | nd     | 0.22   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Ethylbenzene                          | nd     | nd     | nd     | nd     | nd     | nd     | 0.6    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Xylene (sum of isomers)               | nd     | nd     | nd     | nd     | nd     | nd     | 0.54   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Total BTEX                            | 0      | 0      | 0      | 0      | 0      | 0      | 1.51   | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Acenaphthylene                        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Anthracene                            | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(a)Anthracene                    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(a)Pyrene                        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.61   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(b)Fluoranthene                  | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 1      | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(g,h,i)Perylene                  | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.53   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(k)Fluoranthene                  | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.56   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Chrysene                              | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Dibenzo(a,h)Anthracene                | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Fluoranthene                          | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 1.8    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Fluorene                              | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Indeno(1,2,3-cd)Pyrene                | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Naphthalene                           | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 1.2    | nd     | nd     | nd     | 0.76   | nd     | nd     | nd     | 2.2    | 0.91   |
| Phenanthrene                          | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.64   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Pyrene                                | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 1.3    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| 2-Methylnaphthalene                   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Total PAHs                            | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 7.64   | 0      | 0      | 0      | 0.76   | 0      | 0      | 0      | 2.2    | 0.91   |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        |        |        | 12.6   | 30.3   | 11     | 16     | 96     | 14     | nd     | 11     | 25     | 7.2    | 5.2    | nd     | 92     | 25.5   | nd     | 63     | 22 J   |
| Cyanide, total (Clarkson Univ.)       | 5      | 25     | 23     | 3.6    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        | nd     | 6      | nd     | 1.5    | 21     | 2.5    | nd     | nd     | 6      | nd     | 7      | nd     | 33     | 11     | nd     | 5.1 J  | nd     |
| Cyanide, free (Clarkson Univ.)        | nd     | nd     | nd     | 2.6    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet)                | 581.80 | 581.55 | 580.83 | 582.25 | 580.19 | 580.19 | 580.19 | 581.6  | 580.6  | 581.95 | 581.65 | 582.5  | 581.35 | NM     | 581.23 | 583.12 | NM     | 581.7  | 581.76 | 583.92 | NM     |

Notes:

nd - non-detect

open space - no data

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

Appendix B  
Groundwater and Surface Water Monitoring Results  
2018 Periodic Review Report  
Mineral Springs Road Former Manufactured Gas Plant Site  
(all units in µg/L)

| SW-02                                 | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Aug-95 | May-96 | Jul-97 | Feb-98 | Jun-99 | Apr-00 | Apr-01 | Jul-01 | Nov-01 | Apr-02 | Jun-02 | Nov-02 | Apr-03 | Jul-03 | Nov-03 | Mar-04 | Jun-04 | Nov-04 | Apr-05 | Jul-05 | Apr-06 | Aug-06 | Apr-07 | Aug-07 | Apr-08 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               |        |        | nd     |        | nd     | 6      | 2      | nd     | nd     | 1.2    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | Dry    | nd     |
| Toluene                               |        |        | nd     |        | nd     | 8      | 2      | nd     | nd     | 0.25   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Ethylbenzene                          |        |        | nd     |        | nd     | 15     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Xylene (sum of isomers)               |        |        | nd     |        | nd     | 24     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Total BTEX                            |        |        | 0      |        | 0      | 53     | 4      | 0      | 0      | 1.45   | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |        | 0      |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          |        |        | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Acenaphthylene                        |        |        | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Anthracene                            |        |        | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Benzo(a)Anthracene                    |        |        | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Benzo(a)Pyrene                        |        |        | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Benzo(b)Fluoranthene                  |        |        | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Benzo(g,h,i)Perylene                  |        |        | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Benzo(k)Fluoranthene                  |        |        | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Chrysene                              |        |        | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Dibenzo(a,h)Anthracene                |        |        | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Fluoranthene                          |        |        | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Fluorene                              |        |        | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Indeno(1,2,3-cd)Pyrene                |        |        | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Naphthalene                           |        |        | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | 0.94   |
| Phenanthrene                          |        |        | nd     |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Pyrene                                |        |        | nd     |        | nd     | nd     | nd     | 0.77   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| 2-Methylnaphthalene                   |        |        |        |        |        |        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |        | nd     |
| Total PAHs                            |        |        | 0      |        | 0      | 0      | 0      | 0.77   | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |        | 0.94   |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        | 77.5   |        | nd     | 380    | 121    | nd     | 7      | 130    | nd     | 1440   | 17     | 30     | 62     | 48     | nd     | 24     | nd     |        |        |        |        |        |        |
| Cyanide, total (Clarkson Univ.)       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | nd     | 50     | nd     | nd     | 3      | nd     | nd     |        | 86     |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        |        | 111    | nd     | nd     | nd     | 16     | nd     | 42     | nd     | nd     | nd     | 20     | nd     | 12     | nd     |        |        |        |        |        |        |
| Cyanide, free (Clarkson Univ.)        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 19.2   | nd     | 6.2    | nd     | nd     | 2.3    | nd     | 8.6    |        | 50.7   |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet, approximate)   |        |        |        |        | 580.3  | 580.9  | 580.6  | 580.5  | 580.6  | 581.5  | 580.1  | 580.3  | 581.1  | 581.8  | 582.4  | 582.7  | 581.0  | 581.7  | 581.7  | 580.3  | 582.0  | 580.6  | 583.2  |        | ---    |

Notes:

nd - non-detect

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison

Appendix B  
Groundwater and Surface Water Monitoring Results  
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Mineral Springs Road Former Manufactured Gas Plant Site  
(all units in µg/L)

| SW-02                                 | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  | SW-02  |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DATE                                  | Sep-08 | Apr-09 | Aug-09 | Apr-10 | Aug-10 | Apr-11 | Sep-11 | Apr-12 | Aug-12 | Apr-13 | Aug-13 | Apr-14 | Aug-14 | Apr-15 | Aug-15 | Apr-16 | Aug-16 | Apr-17 | Aug-17 | Apr-18 | Aug-18 |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                               | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Toluene                               | nd     | nd     | 0.23   | 0.18   | 7.2    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Ethylbenzene                          | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Xylene (sum of isomers)               | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Total BTEX                            | 0      | 0      | 0.23   | 0.18   | 7.2    | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Acenaphthene                          | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Acenaphthylene                        | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Anthracene                            | nd     | nd     | nd     | nd     | 0.19   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(a)Anthracene                    | nd     | nd     | 0.49   | nd     | 1.5    | nd     | nd     | nd     | 0.26   | nd     | nd     | nd     | 2.7    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(a)Pyrene                        | nd     | nd     | 0.63   | nd     | 1.1    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 4.2    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(b)Fluoranthene                  | nd     | nd     | 1.2    | nd     | 1.3    | nd     | 1.7    | nd     | nd     | nd     | nd     | 1.4    | 8.3    | nd     | 3.1    | nd     | nd     | nd     | nd     | 0.57   | nd     |
| Benzo(g,h,i)Perylene                  | nd     | nd     | 0.55   | nd     | 1.5    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 2.2    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Benzo(k)Fluoranthene                  | nd     | nd     | nd     | nd     | 1.2    | nd     | nd     | nd     | nd     | nd     | nd     | 0.69   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.13 J |
| Chrysene                              | nd     | nd     | 0.85   | nd     | 1.2    | nd     | nd     | nd     | 0.30   | nd     | nd     | nd     | 4.70   | nd     | nd     | nd     | nd     | nd     | nd     | 0.5    | nd     |
| Dibenzo(a,h)Anthracene                | nd     | nd     | nd     | nd     | 1.3    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 0.45   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Fluoranthene                          | nd     | nd     | 1.2    | nd     | 0.63   | nd     | 1.2    | nd     | 0.50   | nd     | nd     | 2.40   | 8.20   | nd     | 3.3    | nd     | nd     | nd     | nd     | 0.81   | nd     |
| Fluorene                              | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Indeno(1,2,3-cd)Pyrene                | nd     | nd     | nd     | nd     | 1.3    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 1.9    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Naphthalene                           | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 2.2    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Phenanthrene                          | nd     | nd     | 0.72   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | 2.4    | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Pyrene                                | nd     | nd     | 1.1    | nd     | 0.55   | nd     | 0.92   | nd     | 0.33   | nd     | nd     | 1.8    | 6.5    | nd     | nd     | nd     | nd     | nd     | nd     | 0.58   | nd     |
| 2-Methylnaphthalene                   | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     | nd     |
| Total PAHs                            | 0      | 0      | 1.82   | 0      | 11.77  | 0      | 3.82   | 0      | 1.39   | 0      | 0      | 6      | 43.75  | 0      | 6.4    | 0.0    | 0.0    | 0      | 0      | 2.46   | 0.13   |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, total (Exygen/ Test America) |        |        |        |        | 369    | nd     | 93     | 45     | 14     | 95     | nd     | 11     | 15     | 96     | 160    | 12     | nd     | 253    | 195    | 130    | 13 J   |
| Cyanide, total (Clarkson Univ.)       | 86     | 16     | 141    | 4.4    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Cyanide, free (Exygen/ Test America)  |        |        |        |        | nd     | 6      | 11     | 11     | nd     | 26     | 0.76   | 1.6    | nd     | 30.1   | 7.2    | nd     | nd     | 72     | 24.6   | 7.1 J  | 1.8 J  |
| Cyanide, free (Clarkson Univ.)        | 10.1   | nd     | 3.0    | nd     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|                                       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Water Elevation (feet, approximate)   | ---    | ---    | ---    | ---    | ---    | ---    | ---    | ---    | ---    | ---    | ---    | ---    | ---    | ---    | ---    | ---    | ---    | ---    | 581.80 | 583.52 | 581.58 |

Notes:

nd - non-detect

As of 2018, Total CN analysis TA Buffalo, Free CN analysis TA Edison



## **Appendix C**

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### **Institutional and Engineering Controls Certification Forms**



Enclosure 2  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**  
**Site Management Periodic Review Report Notice**  
**Institutional and Engineering Controls Certification Form**



**Site Details**

**Box 1**

**Site No.**            **V00195**

**Site Name**   **NFG - Mineral Springs MGP**

Site Address: 365 Mineral Springs Road    Zip Code: 14210  
City/Town: West Seneca  
County: Erie  
Site Acreage: 80.0

Reporting Period: September 16, 2017 to September 16, 2018

YES    NO

1. Is the information above correct? ☒    ☐

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? ☐    ☒

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? ☐    ☒

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? ☐    ☒

**If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.**

5. Is the site currently undergoing development? ☐    ☒

**Box 2**

YES    NO

6. Is the current site use consistent with the use(s) listed below? ☒    ☐  
Commercial and Industrial

7. Are all ICs/ECs in place and functioning as designed? ☒    ☐

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

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

\_\_\_\_\_  
Signature of Owner, Remedial Party or Designated Representative

\_\_\_\_\_  
Date

**Description of Institutional Controls**ParcelOwnerInstitutional Control**123.16-2-8**

National Fuel Gas Distribution Corp.

Ground Water Use Restriction  
Landuse Restriction

i. All identified capped areas shall continue to be protective of public health and the environment, and shall continue to be maintained and monitored to be consistent with industrial/commercial use.

ii. The owner of the Property shall prohibit the Property from ever being used for purposes other than for an industrial/commercial operation, office, warehouse and garage facility and for the services associated with such use without the express written waiver of such prohibition by the Relevant Agency.

iii. The owner of the Property shall prohibit the use of the groundwater underlying the Property without treatment rendering it safe for drinking water or industrial purposes, as appropriate, unless the user first obtains permission to do so from the Relevant Agency.

**Description of Engineering Controls**ParcelEngineering Control**123.16-2-8**Cover System  
Fencing/Access Control

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

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

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

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

YES NO

☒

☐

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

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

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

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

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

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

YES NO

☒

☐

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

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

\_\_\_\_\_  
Signature of Owner, Remedial Party or Designated Representative

\_\_\_\_\_  
Date

IC CERTIFICATIONS  
SITE NO. V00195

Box 6

**SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE**

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

I CRAIG K. SWIECH at 365 MINERAL SPRINGS ROAD WEST SENECA,  
print name print business address NY 14210

am certifying as OWNER (Owner or Remedial Party)

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

Craig K. Swiech  
Signature of Owner, Remedial Party, or Designated Representative  
Rendering Certification

10/15/18  
Date



IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

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

I Kelly McIntosh at GEI Consultants, Inc, PC, 90B John Muir Drive  
print name print business address  
Amherst NY 14228

am certifying as a Professional Engineer for the National Fuel Gas  
(Owner or Remedial Party)

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



Stamp  
(Required for PE)

10/16/18  
Date