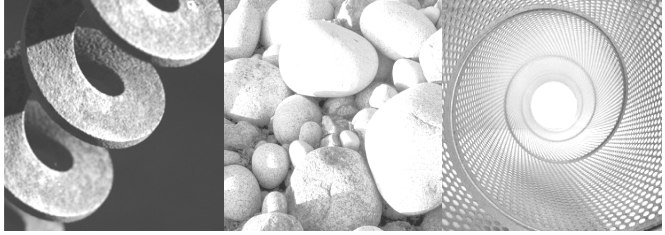


GEI Consultants

Consulting
Engineers and
Scientists

2022/2023 Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report Bay Shore/Brightwaters Former MGP Site

Town of Islip
NYSDEC Consent Index No. D1-0001-98-11

Submitted to:
National Grid USA
175 East Old Country Road
Hicksville, New York 11801

Submitted by:
GEI Consultants, Inc., P.C.
1000 New York Ave., Ste. B
Huntington Station, New York 11746
631-760-9300

November 2023
Project 1905774-16.6

Christopher Morris, P.G.
Project Manager

Errol S. Kitt
Vice President

Table of Contents

Tables (embedded)

Tables

Figures (embedded)

Groundwater Quality:

Figures

Appendices

CM ag
B:\Working\NATIONAL GRID_Sites\Bay Shore\Quarterly GW OMM\2023 Q2_2022-2023 Annual Report\Report.2022_2023AnnualGMOMM_BayShore NY_2023-10-09_reduced_R1.docx

Executive Summary

This report presents a summary of the 2022/2023 reporting period (Q3 2022 through Q2 2023) annual groundwater monitoring (GM) and operations, maintenance, and monitoring (OM&M) activities and associated results for the Bay Shore/Brightwaters former manufactured gas plant (MGP) site located in Bay Shore, Suffolk County, New York (the Site). This report has been prepared in accordance with the requirements of Section Title 6 of Division of Environmental Remediation (DER)-10, Technical Guidance for Site Investigation and Remediation, and the Order on Consent, Index No. D1-0001-98-11, between National Grid USA (National Grid) and the New York State Department of Environmental Conservation (NYSDEC).

The following narrative provides a summary of notable activities and associated monitoring and analytical results completed during this reporting period, with detailed descriptions provided in the following report sections, as follows: Section 1, Introduction (including a Site background and remedial history); Section 2, Remediation Systems; Section 3, Groundwater Level Monitoring and Well Condition Assessment Programs; Section 4, Groundwater Quality; and Section 5, Future Plans.

Remediation Systems

Multiple remediation systems currently operating at the Site include a dense non-aqueous phase liquid (DNAPL) recovery system, an ozone injection system and associated subsurface barrier wall, and seven oxygen injection systems. These systems have been successful at significantly reducing concentrations of benzene, toluene, ethylbenzene and xylene (BTEX) and polycyclic aromatic hydrocarbons (PAHs) in groundwater at and downgradient of the Site.

NAPL Monitoring and Recovery: Routine DNAPL and light non-aqueous phase liquid (LNAPL) monitoring are completed on a quarterly basis, while routine DNAPL recovery at well BBRW-02 is completed monthly. Routine NAPL gauging results were consistent with recent historical thicknesses.

Additional NAPL monitoring efforts were also completed at 15 targeted wells during this reporting period to identify which wells would be best suited for inclusion in the routine NAPL monitoring and recovery program. NAPL thicknesses were noted to rebound to over 1-foot at wells BBRW-06, BBRW-08, OZMW-21D, TG-32I2, TG-32D and TG-44I2. Over 21.5 gallons of DNAPL were recovered from well BBRW-02 and the targeted wells during this reporting period.

OU-1 Ozone Groundwater Treatment System: Ozone injection system performance monitoring includes quarterly monitoring of BTEX and PAHs in OU-1 well clusters OZMW-23 and OZMW-24, located downgradient of the system and upgradient of the subsurface barrier wall. Similar to previous monitoring events, monitoring well OZMW-24I2, immediately upgradient of the subsurface barrier wall exhibited the highest total PAH concentrations during this reporting period, and reached a new historical high concentration for this well. However, total PAH concentrations in OZMW-24I2 decreased to below average levels in Q2 2023 and remain highly variable. Total BTEX concentrations in well OZMW-24D, which is screened below the perforated section of the subsurface barrier wall were elevated but were within the lower end of their historical range during this reporting period and were lower than corresponding total PAH concentrations. Although, elevated total PAH concentrations remain in OZMW-24D, concentrations remained within their historical ranges during this reporting period. Groundwater passing through the perforated section of the subsurface barrier wall is further treated by the OU-1 Union Boulevard oxygen injection system, and downgradient OU-2 oxygen injection systems.

Oxygen Injection Systems: The oxygen injection systems located throughout OU-1, OU-2, and OU-3 were operational for approximately 91% of the time during this reporting period, continuing to significantly increase dissolved oxygen (DO) and oxidation reduction potential (ORP) in OU-1, OU-2, and OU-3 groundwater. Given the significant MGP-related impacts concentration reductions achieved since startup of the oxygen injection systems, three systems and a portion of a fourth system have been shut down, with no rebound in MGP-related impact concentrations.

Groundwater Level Monitoring and Well Condition Assessment Programs

Groundwater level monitoring is conducted annually at the Site to measure groundwater elevations and determine groundwater flow regimes. Groundwater elevations at the Site are shallow, generally between 2 and 12 feet below ground surface (bgs). Shallow and deep groundwater flow directions at and downgradient of the Site have been consistently generally toward the south/southeast, with generally similar groundwater elevations and flow directions.

The monitoring well network was generally observed to be accessible and in good condition during this reporting period and repairs are made on an as-needed basis. In addition, a total of four wells were abandoned during this reporting period. All wells were abandoned in accordance with the NYSDEC-approved September 30, 2022, well abandonment request letter and NYSDEC's CP-43 monitoring well decommissioning policy document. Summary letters for the abandonment events were submitted to NYSEC on January 18, 2023, and June 9, 2023, respectively.

Groundwater Quality

Current and Historical Plume and Contaminant Concentrations: Remedial activities completed at the Site since Q1 2009, have significantly reduced impact concentrations, resulting in the currently limited plume footprint.

The overall OU1/OU2 groundwater plume (concentrations of total BTEX and total PAH equal to or greater than 100 micrograms per liter [µg/L]) has significantly reduced in size and concentration since remedial activities began in 2009. These significant reductions include the virtual elimination of shallow and intermediate impacts above 100 µg/L in OU-2. Current maximum BTEX and PAH concentrations (well above 1,000 µg/L) are all located within the barrier wall capture zone or within the OU-1 ozone system treatment area. Concentrations above 100 µg/L were generally only present in the shallow/deep zones immediately downgradient of the barrier wall and the shallow/intermediate zones immediately east of the barrier wall. Further downgradient, BTEX was not detected at concentrations above 100 µg/L in any deep OU-2 well; though, deep PAH impacts remained periodically elevated extending to the Cooper Lane and 33 North Clinton Avenue oxygen injection systems, where additional remedial measures may be considered, as needed.

Shallow BTEX impacts in the OU-3 Brightwaters Yard have been reduced by up to two orders of magnitude by implementation of various remedial activities, and generally continue to decrease over time. The greatest total BTEX concentrations in the area (up to 2,176 µg/L) were detected in shallow monitoring well OU3MW-08S, where a shallow peat unit exists in the vicinity of the well, potentially limiting the effectiveness of previous ORC-A injections in the area. However, MGP-related impacts in nearby well OU3MW-16S continue to exhibit near-historical low concentrations. MGP-related impacts concentrations within the sheeting cells at the southern portion of the Brightwaters Yard varied widely, with highs generally near the upper end of historical concentration ranges concentrations in the deeper wells (up to 1,813 µg/L). Downgradient of the Brightwaters Yard, one well located upgradient of Community Road (intermediate well MW-64) exhibited BTEX concentrations (130 µg/L) above 100 µg/L during one sample event (Q1 2023) during this reporting period. BTEX concentrations in this well are typically highly variable and can periodically exceed 100 µg/L. These impacts will be treated by the Community Road oxygen injection system located further downgradient. BTEX and PAHs downgradient of the system were non-detect during all sample rounds during this reporting period.

Shallow and intermediate OU-4 wells continue to exhibit decreasing concentration trends; however, impacts above 100 µg/L are periodically detected in limited wells screened outside or below the vertical extent of the remedial excavation completed in 2011. Routine access issues persist at several wells south and west of the excavation area. Although only four wells were accessible during this reporting period, wells in this area currently only sporadically exhibit exceedances of the AWQS for BTEX and/or PAH compounds, with only

total PAHs historically identified at concentrations slightly to moderately above 100 µg/L. Total PAH concentrations above 100 µg/L were only detected on one well during this reporting period: WCMW-05I, located in the vicinity of the 2011 cesspool excavation area, and up to a concentration of 231 µg/L (Q2 2023).

Analysis of Sulfate Concentrations: Sulfate concentrations have been declining in OU-1 wells since 2011 and the majority of OU-2 wells since 2017. Although, sulfate is still present in limited areas in the lower intermediate and deep zones at OU-1 and OU-2, concentrations have been below the Ambient Water Quality Standards (AWQS) for several years, including throughout this reporting period. Only one sporadic exceedance of the AWQS for sulfate has been detected over the past 4-year period. As such, and per NYSDEC approval dated June 1, 2023, sulfate monitoring will be discontinued following this reporting period.

Future Plans

Overall, MGP-related impactsconcentrations at the Site have reduced significantly since Q1 2009 and have generally remained stable or have continued to reduce throughout this reporting period, with limited exceptions. Based on the OM&M activities and analytical results discussed above, the following recommendations are presented below.

General Recommendations

- Based on the significant remedial progress achieved at the Site, it is recommended that the groundwater sampling rationale and system OM&M schedule continue to be evaluated on a quarterly basis to ensure that the remedial program continues to operate in an effective and efficient manner.
- Given the consistency observed relative to groundwater flow patterns throughout the Site since installation of the barrier wall and multiple remedial systems throughout the Site, it is recommended that the number of wells included in the annual groundwater level monitoring program be limited to a targeted sub-set of shallow and deep zone wells located throughout the various Site OUs. Targeting wells in this manner could increase overall program efficiency while ensuring that sufficient data is still collected to effectively determine if any changes in flow directions throughout the Site are apparent. If NYSDEC agrees with this approach, a letter outlining proposed changes to the annual groundwater level monitoring program can be submitted to NYSDEC for review and approval.
- Continue to monitor Site-related impacts and associated remedial system effectiveness via quarterly and annual monitoring of the well network, including areas upgradient and downgradient of the on-site subsurface barrier wall and multiple treatment systems operating throughout the various Site OUs, in accordance with the 2012 NYSDEC-approved groundwater sampling criteria.

- Continue to evaluate the need for additional remedial measures based on MGP-related impacts concentrations within and/or downgradient of each OU and associated remedial system.
- Continue well abandonment activities at targeted monitoring wells located throughout the Site, in accordance with the NYSDEC-approved work plan and NYSDEC's CP-43 monitoring well decommissioning policy document.
- Continue to complete minor well repair items, such as replacing broken well covers, etc., concurrent with site-wide groundwater sampling activities.

NAPL Gauging and Recovery

- Routine quarterly NAPL gauging should continue to be completed at targeted Site wells, as approved by the NYSDEC.
- Continue monthly manual operation of the BBRW-02 DNAPL recovery system, to maximize DNAPL recovery while minimizing the generation of water.
- Given that NAPL thicknesses were noted to rebound by more than 1-foot at several wells (BBRW-06, BBRW-08, OZMW-21D, TG-32I2, TG-32D, and TG-44I2) during the additional NAPL recovery assessment effort described in Section 2.1.3, it is recommended that these wells be included in the routine monthly NAPL monitoring and recovery (NAPL at thicknesses of 1-foot or more) program for a period of 6 months, at which point, GEI will reassess future monitoring and recovery needs. In order to accelerate NAPL recovery at the Site, recovery of DNAPL at thicknesses of greater than 1 foot from these wells already began in early Q4 2022.
- While already on-site for routine NAPL monitoring, continue DNAPL monitoring at well WCMW-05I quarterly to determine if additional DNAPL accumulates within this well. Following two quarterly events, GEI will reassess future monitoring and recovery needs at well WCMW-05I.

Treatment Systems

Ozone Groundwater Treatment System

- Continue routine operation and inspection of the ozone injection system, with routine maintenance completed per manufacturers' recommendations, to promote the continued biodegradation of MGP-related impacts in groundwater.
- Following a failure of the ozone injection system control panels in June 2023 during this reporting period, and based on the age of the overall system, the equipment manufacturer recommended replacement of both chillers in addition to

both control panels. Parts were ordered in Q3 2023, with installation likely to occur in Q4 2023.

- Annual monitoring for ozone should continue at the SVE manifold to ensure that excess ozone is not present within the vadose zone.

Oxygen Injection Systems

- Continue routine operation and bi-weekly/monthly system inspection of the oxygen injection systems, with maintenance completed per manufacturers' recommendations.
- Continue to evaluate groundwater data in the vicinity of the remaining active injection systems to optimize or shut down systems, as warranted and with NYSDEC-approval.
- Closely monitor MGP-related impacts concentrations in the intermediate and deep zones immediately downgradient of the barrier wall (well clusters OZMW-17 and OZMW-18) during future sampling events to assess whether increasing trends continue in these areas.
- Evaluate whether to abandon remaining injection wells in the southern line of the 60/66 North Clinton Avenue oxygen injection system, in accordance with the NYSDEC-approved work plan, as this treatment line was replaced.

Operable Unit-Specific Recommendations

Operable Unit 2

- Removal of the 9 North Clinton Avenue oxygen injection system. A letter requesting approval to remove the system was submitted to the NYSDEC on September 11, 2023, and approved on October 13, 2023. A workplan will be submitted to the NYSDEC in the near future detailing the abandonment and removal of the system.
- As toluene was sporadically detected above the AWQS at cluster OU2MW-02 and was also non-detect upgradient of this area, a supplemental toluene investigation was completed and targeted upgradient and downgradient areas during this reporting period and results of such were submitted under sperate cover to the NYSDEC on September 12, 2023. Although the toluene detections are not thought to be related to the former MGP site, the concentrations will continue to be closely monitored at this location during future sampling events.

Operable Unit 3

- Elevated total BTEX concentrations persist at shallow wells OU3MW-08S and vary in concentration but remain elevated at a number of intermediate wells (OU3MW-24I2/IP-19B, IP-20B, TMW-1I, and TMW-2I2). Although these wells are located upgradient of the 87 Community Road oxygen injection system, BTEX concentrations in this area will be closely monitored during future sampling events and additional remedial options will be considered, as warranted.
- Consistent with recent historical analytical results, BTEX concentrations south or downgradient of the of the LIRR ROW and immediately downgradient of the 87 Community Road oxygen injection system ranged from non-detect to a sporadic high only 5.7 µg/L. Total BTEX concentrations south or downgradient of the LIRR ROW at 87 Community Road will be closely monitored during future sample events.

Operable Unit 4

- An IRM excavation targeting remaining MGP-related impacts is being planned to be implemented at the 22 Oak Street property concurrently with future property redevelopment activities. An Excavation IRM Work Plan for the excavation was approved by NYSDEC in September 2023. Following further coordination with the property owner and based on NYSDEC comments, a Pre-Design Investigation (PDI) effort was planned and is being completed to refine the initially proposed excavation limits. Phase I of the PDI fieldwork was completed in 2022, and Phase II is planned to be completed following demolition of the building by the property owner. Following additional coordination with the property owner and NYSDEC, it is currently anticipated that the IRM excavation will be implemented in 2024.
- Given that the WCMW-04 well cluster, located on the LIRR ROW within the former cesspool area, has historically exhibited elevated MGP-related impact concentrations, primarily PAHs in well WCMW-04I, further attempts to coordinate access with LIRR will be made to more consistently monitor concentrations in this area.

1. Introduction

This report presents a summary of the 2022/2023 reporting period (Q3 2022 through Q2 2023) annual GM and OM&M activities and associated results for the Bay Shore/Brightwaters former MGP site located in Bay Shore, Suffolk County, New York (the Site). This report has been prepared in accordance with the requirements of Section Title 6 of DER-10, Technical Guidance for Site Investigation and Remediation, and the Order on Consent, Index No. D1-0001-98-11, between National Grid and the NYSDEC.

Quarterly monitoring reports for the Site were prepared and submitted to the NYSDEC and distributed to the public from 2004 (the initial site remediation report) through Q2 2012. Based on significant and continued MGP-related impacts concentration reductions achieved through implementation of various remedial activities at the Site since Q1 2009, modification of the reporting frequency from quarterly to annually was approved by the NYSDEC in August 2012. Currently, interpretive Annual GM and OM&M Reports are submitted to the regulatory agencies annually, while quarterly GM and OM&M data continues to be evaluated and submitted to the regulatory agencies on a quarterly basis.

In Q4 2012, the NYSDEC also approved specific criteria for modification of the GM program and shutdown of remediation systems, which are summarized below:

- Monitoring wells which meet ambient groundwater quality standards for Class GA groundwater for individual BTEX and PAHs compounds for four consecutive quarters can be reduced to an annual sampling frequency.
- For compounds with standards less than the analytical detection limits, individual BTEX or PAH compound concentrations must be reduced below detection limits for four consecutive quarters before annual sampling can be instituted.
- Monitoring wells that meet the above criteria for two consecutive years of annual sampling can be removed from the sampling program.
- Quarterly sampling will resume at any well where total BTEX or total PAH concentrations exceed 50 µg/L.
- Select monitoring wells associated with the ozone or oxygen injection treatment systems will continue to be monitored at least quarterly to evaluate system performance.
- A proposal to shut down an oxygen system may be considered when the groundwater quality of monitoring wells located upgradient (as far as the next treatment system), and immediately downgradient of a given treatment system, meet the above criteria.

- Treatment systems will be placed back into operation if total BTEX or total PAH concentrations in either upgradient or downgradient wells exceed 50 µg/L during any of the four quarterly sampling events.

Since implementation of the above criteria and given the significant contaminant concentration reductions achieved at the Site since Q1 2009, multiple reductions to the long-term monitoring program sample list have been made, through quarterly evaluations. As such, the total number of wells in the groundwater sampling program has been reduced from a historical total of 553 to approximately 156 wells sampled during the current annual sampling event (Q2 2023).

A GM well tracking summary is provided in Appendix A for the quarterly and annual sampling events included in this report. Annual sampling events are conducted during the second quarter of each year.

The Site has been divided into four operable units (OUs) to manage investigation and remediation activities more effectively. The extents of the four OUs are shown on Fig. 1. A description of GM results and groundwater quality trends for all OUs are included in this report to provide a comprehensive evaluation of groundwater quality throughout the overall Site. Groundwater trend analyses include assessments of the effectiveness of the remedial activities and associated groundwater quality in the Upper Glacial aquifer. For discussion purposes, the three aquifer zones referenced herein include:

- **Shallow Zone:** Includes wells with the top of the well screen located up to 10 feet bgs.
- **Intermediate Zone:** Includes wells with the top of the well screen located from 10 feet through up to 50 feet bgs.
- **Deep Zone:** Includes wells with the top of the well screen located at or deeper than 50 feet bgs.

It should be noted that well ID nomenclature which indicates "S, I, or D" for shallow, intermediate, or deep, respectively, typically does, though does not necessarily, correspond to these aquifer zone descriptions.

GM and OM&M activities include groundwater and non-aqueous phase liquid (NAPL) monitoring and associated maintenance and monitoring of the various remedial systems operating at the Site. Routine well maintenance, including simple repairs identified during GM activities, is conducted quarterly, while major well repairs or replacements are performed on an as-needed basis.

The following narrative provides a background and remedial history for the Site, while the remaining report sections are organized as follows: Section 2, Remediation Systems; Section 3,

Groundwater Level Monitoring and Well Condition Assessment Programs; Section 4, Groundwater Quality; and Section 5, Future Plans.

1.1 Background and Remedial History

The former MGP began operations in the late 1880s and continued into the 1970s. Remaining above-ground MGP facilities were demolished in 1973. Various remedial investigations (RIs) have been completed at the Site. Site history and investigation results (through 2003) are presented in the Remedial Investigation Report (RIR) (Dvirka and Bartilucci Consulting Engineers [D&B] 2002) and the Final RIR (D&B, 2003).

A Final Remedial Action Plan (RAP) for OU-1 was approved by the NYSDEC on August 9, 2004. As depicted on Fig. 2, and as summarized below, the remedy currently being implemented at OU-1 is detailed in a document entitled "Final Remedial Action Plan, Bay Shore Former MGP Site – OU-1, Bay Shore, New York" (Final RAP), prepared by GEI Consultants, Inc., P.C. (GEI), dated August 2004. In addition, several interim remedial measures (IRMs) have been completed at the Site since 1999, as depicted on Fig. 2, and as summarized below.

1.1.1 Operable Unit 1 (OU-1)

OU-1 consists of the Bay Shore Site, formerly the main operations area of the MGP, as well as properties immediately south of the Site, which are currently owned by National Grid. Table 1a below summarizes OU-1 remedial activities.

Table 1a. Summary of OU-1 Remedial History

Date	OU-1 Remedial History	Comment
2004	In-Situ Chemical Oxidation (ISCO) Pilot Studies	Three pilot studies were conducted using Activated Persulfate, Modified Fenton's Reagent, and Activated Fenton's Reagent (GEI, 2005).
2006 to Present	DNAPL Recovery	A DNAPL recovery system was installed at BBRW-02 south of the LIRR as part of the Phase I Remedial Activities, per the Final RAP (GEI, 2004a), as documented in the DNAPL Pump Test Letter Report (KeySpan, 2006).
2006	Surfactant-Enhanced In-Situ Chemical Oxidation (S-ISCO) Pilot Study	A pilot study was conducted using surfactant to solubilize MGP-related impacts and sodium persulfate to oxidize such (GEI, 2007a).
February to April 2007	OU-1 Southern Cell Excavation	The southern cell excavation was included in Phase I of the OU-1 remedy, per the Final RAP, with results provided in the Phase I and Phase II Remedial Activities, OU-1 Bay Shore Former MGP site, Final Completion Report (Paulus, Sokolowski and Sartor Engineering, PC [PS&S], 2009).
April 2007 to May 2008	Subsurface Barrier Wall Installation	The barrier was installed as part of Phase I of the OU-1 remedy, per the Final RAP, as documented in the Final Completion Report (PS&S, 2009).

Date	OU-1 Remedial History	Comment
February 2008	Oxygen Injection System	An oxygen injection system was installed along the downgradient edge of OU-1 to treat groundwater at the perforated portion of the barrier wall until startup of the full-scale groundwater treatment system was completed (KeySpan, 2007). Initially installed to provide temporary treatment during the construction/startup of the ozone injection system. NYSDEC requested the system remain online following the installation.
August 2007 to August 2008	OU-1 Excavation North of the LIRR	The excavation north of the LIRR in OU-1 was performed as Phase II of the OU-1 remedy, per the Final RAP. Final construction details are provided in the Final Completion Report (PS&S, 2009).
October 2009	Ozone Groundwater Treatment System	Installation of the ozone injection groundwater treatment system was performed as Phase IA of the OU-1 remedy (GEI, 2009b), per the Final RAP (GEI, 2004a). The treatment building houses the equipment used to generate the ozone gas from fresh air, SVE equipment, carbon vessels, and an ozone destruction unit.
March to April 2009	66 North Clinton Avenue Excavation	Shallow MGP-impacted soil located outside of the barrier wall in the western fringe area was removed to approximately 10 feet bgs, as part of Phase IV of the OU-1 remedy (GEI, 2010a), per the Final RAP (GEI, 2004a).
January 2010	60/66 North Clinton Avenue Oxygen Injection System	The system was installed as part of Phase IV of the OU-1 remedy to treat groundwater west of the barrier wall (GEI, 2010a).
June 2011	OU-1 Oxygen Injection System Extension	The OU-1 Union Boulevard system was extended in accordance with the OU-2 Remedial Design Document (GEI, 2009a) to treat impacted groundwater east of the subsurface barrier wall.
August-2011	TarGOST® Study	This investigation was performed to delineate potential recoverable NAPL in OU-1, North and South of the LIRR in order to locate additional recovery wells.
October 2011	Recovery Well Installations (19 temporary & 1 permanent)	These wells were installed following a TarGOST® study. Following DNAPL gauging, bailing and recovery rate testing, one additional permanent recovery well installed.
February 2012	Temporary Recovery Well Abandonment and Recovery Well Installation	The temporary recovery wells with no measurable level of NAPL were abandoned and one permanent recovery well was installed.
October 2013	OU-1 North Oxygen Injection System Installation	The system was installed to treat impacted groundwater in the eastern portion of OU-1.
October 2013	Oxygen Injection System Modifications	The Union Boulevard oxygen injection system was modified to treat remaining impacts. The 60/66 North Clinton Avenue oxygen injection system was relocated to the northern property boundary to facilitate potential property redevelopment. The southern portion of the treatment line was kept active to ensure no gaps in treatment. The system was also modified to treat groundwater impacts inside the western portion of the barrier wall.
June 2015	Oxygen Injection System Modifications	The Union Boulevard oxygen injection system was modified to include treatment upgradient and downgradient of the barrier wall. Additional deep injection

Date	OU-1 Remedial History	Comment
		wells were also installed to treat deep impacts. Construction was completed in July 2015.
September 2019	Soil Vapor Extraction (SVE) System	Due to low impact concentrations, the SVE system associated with the ozone injection system was shut down on September 25, 2019, per the NYSDEC-approved shutdown plan (GEI 2018). The system is maintained in operational condition should contaminant concentrations warrant re-start. SVE manifold monitoring is completed annually to confirm no excess ozone in subsurface.

1.1.2 Operable Unit 2 (OU-2)

OU-2 consists of the groundwater plume area extending downgradient (south/southeast) from OU-1. The NYSDEC issued a Voluntary Cleanup Program Decision Document for OU-2 in July 2008, which specified the installation of a minimum of three oxygen injection systems. Table 1b below summarizes OU-2 remedial activities.

Table 1b. Summary of OU-2 Remedial Activities

Date	OU-2 Remedial Activity	Comment
December-2005	Oxygen Injection IRM	The Montauk Highway oxygen injection system, two injection lines along Montauk Highway and the intersection of Manatuck Lane and Garner Lane, treats groundwater prior to discharge to Lawrence Creek (GEI, 2006).
May to July 2007	Hydrologic Study	Investigation to further evaluate groundwater nearby the Montauk Highway oxygen injection system and to validate contaminant reductions in the vicinity of the Montauk Highway and Manatuck Lane treatment lines (GEI, 2007b).
January to November 2009	Installation and operation of the 9 North Clinton Avenue, 33 North Clinton Avenue including the Cooper Lane portion of the system, 34 North Clinton Avenue and Plume Tail oxygen injection systems.	In accordance with the Voluntary Clean-up Program Decision Document (NYSDEC, 2008) and the OU-2 Remedial Design Document (GEI, 2009a), three additional oxygen injection systems were installed within the OU-2 plume (GEI, 2010d). The Plume Tail system was installed to treat remaining impacts prior to discharge into the surface water body.
June 2011	Additional Oxygen Injection System Installation (29 Community Road Oxygen Injection System)	The 29 Community Road oxygen injection system treats impacted groundwater along the western extents of OU-2 and was installed per an addendum to the OU-2 Remedial Design Document (GEI, 2009a).
October 2013	Oxygen Injection System Modifications	33 North Clinton Avenue and Montauk Highway oxygen injection systems were modified to target remaining impacts.

Date	OU-2 Remedial Activity	Comment
November 2013	Oxygen Release Compound - Advanced (ORC-A) Injection Program	A targeted ORC-A injection program was conducted to treat impacts downgradient of the subsurface barrier wall.
March 2015	Oxygen Injection System Shutdown (29 Community Road and Plume Tail)	The 29 Community Road and Plume Tail oxygen injection systems were shut down on March 26, 2015, per NYSDEC-approved shutdown criteria, and were removed in June 2019 and June 2017, respectively. The injection wells\lines and associated monitoring wells were abandoned in June 2019.
May 2019	Montauk Highway Oxygen Injection System – Manatuck Lane Line	The Manatuck Lane portion of the Montauk Highway oxygen injection system was shut down in May 2019, per NYSDEC-approval.
August 2021	9 North Clinton Avenue Oxygen Injection System	The 9 North Clinton Avenue oxygen injection system was shut down in August 2021, per NYSDEC approval. Post-shutdown monitoring in the vicinity of the system is ongoing.

1.1.3 Operable Unit 3 (OU-3)

OU-3 consists of the Brightwaters Yard (currently owned by National Grid) and the groundwater plume that extends south/southeast from the Brightwaters Yard into the LIRR ROW. Table 1c below summarizes OU-3 remedial activities.

Table 1c. Summary of OU-3 Remedial Activities

Date	OU-3 Remedial Activity	Comment
2000	Groundwater Treatment IRM	An oxygen injection system was installed at the intersection of Union Boulevard and Lanier Lane to reduce MGP-related contaminants in groundwater prior to discharge into O-Co-Nee Pond (Foster Wheeler Environmental Corporation [FW], 2000).
May 2001, September 2001 to October 2004	ISCO IRMs	In-Situ Oxidative Technologies, Inc. (ISOTEC) completed three rounds of ISCO at the Brightwaters Yard source area (FW, 2000).
May to July 2004	Excavation IRM	Approximately 1,500 tons of contaminated soil was excavated (PS&S, 2005).
2004	Groundwater Treatment IRM	The Brightwaters Yard oxygen injection system was installed to reduce MGP-related contaminants in groundwater leaving the OU-3 site boundary (PS&S, 2004).
2008	Storm Sewer Rehabilitation IRM	Sections of the storm water collection network within OU-3 were rehabilitated, including the replacement of catch basins and cured-in-place lining of drainage piping (GEI, 2010b)
July 2009	Brightwaters Yard Oxygen Injection System Abandonment	The Brightwaters Yard system was abandoned in support of the LIRR Excavation IRM (National Grid, 2010).

Date	OU-3 Remedial Activity	Comment
Phase I completed February 2010, Phase II completed July 2010, Phase III completed September 2010	LIRR Excavation/Temporary Track Relocation IRM	Source material was removed from the OU-3 Brightwaters Yard and under the adjacent LIRR property (GEI, 2012c).
April 2010	Community Road Oxygen Injection Line	This treatment line was installed to replace the former Union Boulevard and Brightwaters Yard systems (GEI, 2010a). Line is supplied by the 60/66 North Clinton Avenue oxygen injection system located at OU-1.
July 2010	OU-3 Union Boulevard Oxygen Injection System Abandonment	The Union Boulevard system was abandoned to limit remedial equipment within the community and replaced with the Community Road oxygen injection line (National Grid, 2010).
March 2012	OU-3 Community Road Oxygen Injection Line Reconfiguration	This treatment line was reconfigured to optimize the treatment of impacted groundwater in OU-3 (National Grid, 2011).
March 2013/August 2013/January 2015	ORC-Advanced Injection Program	A targeted ORC-A injection program was conducted to treat downgradient impacts (National Grid, 2013).
September 2013	87 Community Road Oxygen Injection System Installation	Installed to treat impacted groundwater in OU-3, south of the LIRR ROW. (GEI, 2016)
July 2015	87 Community Road Oxygen Injection System Expansion	Additional injection wells within the LIRR sheeting cells added to the 87 Community Road oxygen injection system (GEI, 2016). Monitoring wells OU3MW-22I, OU3MW-22I2, OU3MW-23I, OU3MW-23I2, OU3MW-24I, and OU3MW-24I2 converted to injection wells. Additional injection wells (IP-16A, IP-16B, IP-18A, IP-18B, IP-20A, and IP-20B) installed to treat the upgradient/central portion of the three sheeting cells.
December 2019	ORC-Advanced Injection Program	ORC-A injection program conducted in downgradient property boundary of the Brightwaters Yard and within the northern LIRR ROW sheeting cells (National Grid 2020). Six temporary wells installed in northern sheeting cells and the southern Brightwaters Yard. Temporary wells TMW-01I/I2 through TMW-03I/I2 installed in the three westernmost northern cells to assess remaining impacts and impacts at OU3MW-09I. Temporary wells screened from 12 to 17 ft bgs and at the bottom of the sheets from 25 to 30 ft bgs.

1.1.4 Operable Unit 4 (OU-4)

OU-4 consists of a former cesspool area, former pond area, and the headwaters of Watchogue Creek/Crum's Brook, located approximately 400 feet east of the Bay Shore Site. Table 1d below summarizes OU-4 remedial activities.

Table 1d. Summary of OU-4 Remedial Activities

Date	OU-4 Remedial Activity	Comment
2000	Restoration of Watchogue Creek/Crum's Brook	Sediments were removed and the channel was restored (FW, 2002).
November 2005	Cesspool Excavation IRM	The former cesspool shallow impacted soils (vadose zone soils) were removed and treated off-site (GEI, 2010c).
April to December 2009	S-ISCO IRM	S-ISCO was implemented, per the NYSDEC-approved OU-4 Cesspool Area S-ISCO Work Plan (VeruTEK, 2008) and associated addenda (GEI, 2013)
April to August 2011	Cesspool Area and Pond Area Excavation IRM	OU-4 Upgradient Excavation completed in Q1 2011, monitoring well abandonment and the Cesspool Area shallow excavation (approximately 10 feet bgs) completed in July 2011, and pond area excavation completed in August 2011 (GEI, 2013).

2. Remediation Systems

Multiple remediation systems currently operating at the Site include a DNAPL recovery system, an ozone injection system and associated subsurface barrier wall, and seven oxygen injection systems. Locations of the treatment systems, subsurface barrier wall, and monitoring wells are provided on Fig. 1, while a summary remedial system progress, including remedial systems that were shut down after achieving remedial goals, is provided on Fig. 2.

A description of each system associated monitoring activities, and operational data for this reporting period are summarized below.

2.1 NAPL Monitoring and Recovery

2.1.1 Program Scope and Purpose

Routine NAPL monitoring for recovery purposes are currently completed on a quarterly basis. LNAPL thickness measurements are collected with an oil/water interface probe, while DNAPL thickness measurements are collected by measuring the "smear" of DNAPL on a dedicated weighted measuring tape.

The BBRW-02 DNAPL recovery system, which is currently operated on a monthly basis, consists of a Blackhawk Electric Anchor Piston Pump which transfers DNAPL from BBRW-02 to a 55-gallon steel drum. The DNAPL recovery system is operated manually to maximize DNAPL recovery, while minimizing the generation of water. The recovery schedule is evaluated annually and is adjusted, as needed.

In addition to the routine NAPL monitoring and recovery program, based on recommendations provided in the 2021-2022 Annual GM and OM&M Report, additional NAPL monitoring, and recovery efforts were completed at targeted wells at the Site beginning in October 2022 to identify which wells would be best suited for inclusion in the routine NAPL monitoring and recovery program.

2.1.2 Routine NAPL Monitoring

DNAPL has historically been observed in wells within OU-1. As DNAPL has also been detected during sampling of OU-4 monitoring well WCMW-05I, this well has also been routinely monitored for DNAPL since 2021. LNAPL has historically not been observed in OU-1 area wells since approximately 2015, with the exception of historical sporadic sheens and minor thickness detections at well OZMW-21S, as identified below in Table 2a.

Routine NAPL monitoring results for this, and the previous reporting periods are provided below in Table 2a.

Table 2a. Summary of Measured NAPL Thicknesses

Well ID	Screen Interval	Average NAPL Thickness (feet)							
		Q3 2021	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023
DNAPL									
BBRW-01R	30 - 60	0.65	0.33	0.65	0.32	0.80	0.58	0.38	0.47
BBRW-02	58.2 - 78.2	6.12	4.04	5.77	5.55	5.10	5.11	4.96	5.03
BBRW-05I	-	NO	NA	NO	NO	NO	NO	NO	NO
BBRW-05D	64 - 74	0.45	NA	trace	0.09	trace	0.28	NO	0.22
BBRW-06	25 - 55	1.53	0.85	1.68	1.76	1.70	1.28	1.35	1.50
BBRW-08	65 - 75	1.85	2.05	2.13	2.45	2.45	1.85	1.98	2.10
BBRW-09	66 - 76	NO	NO	NO	NO	NO	NO	NO	NO
BBMW-22D	64 - 74	4.11	NA	4.25	4.60	4.50	4.09	4.80	5.10
BBMW-34I2	40 - 45	1.23	NA	1.11	2.09	0.70	0.35	0.10	0.40
BBMW-38I	25 - 30	1.80	NA	0.37	0.76	0.50	1.10	0.42	0.57
BBMW-38I2	40 - 45	0.80	NA	0.68	1.02	2.15	0.80	0.45	0.59
OZMW-21S	10 - 15	NO	NA	NO	NO	NO	NO	NO	NO
OZMW-21I	20 - 30	1.91	1.69	1.80	1.70	1.80	0.07	0.10	0.20
OZMW-21D	55 - 60	2.90	2.76	3.48	2.95	3.30	3.37	4.11	5.14
TG-29I2	55 - 65	NO	NO	NO	NO	NO	NO	NO	NO
TG-32I2	40 - 50	4.48	4.10	3.95	4.70	4.95	4.42	2.62	1.34
TG-32D	65 - 75	3.69	1.32	1.56	1.31	1.40	1.35	1.40	1.86
TG-44I2	55 - 60	3.52	3.02	3.27	3.32	3.40	3.52	2.45	1.18
LNAPL									
BBMW-34I	25 - 30	NO	NA	NO	NO	NO	NO	NO	NO
BBMW-38I	25 - 30	NO	NG	NO	NO	NO	NO	NO	NO
BBMW-38D	65 - 70	NO	NG	NO	NO	NO	NO	NO	NO
OZMW-21S	10 - 15	0.10	NG	NO	0.01	NA*	NA*	NA*	NO
OZMW-25I	20 - 30	NO	NO	NO	NO	NO	NO	NO	NO

Notes:
DNAPL historically observed at abandoned well BBRW-01. Replacement well BBRW-01R installed adjacent to BBRW-01.
BBMW-22D is located within 15 feet of BBRW-02 and is influenced by pumping operations at BBRW-02.
DNAPL thickness measured pre-recovery at BBRW-02.
*: LNAPL present, but unable to be measured accurately due to interface probe malfunction.
NO: Not observed
NG: Not gauged
NA: Not available

NAPL thicknesses have remained generally consistent over the past several years.

2.1.3 Additional NAPL Recovery Assessment Monitoring

Based on recommendations provided in the 2021-2022 Annual GM and OM&M Report, additional NAPL monitoring efforts were completed at targeted wells at the Site to identify which wells would be best suited for inclusion in the routine NAPL monitoring and recovery program. The additional NAPL recovery assessment effort was completed throughout portions of October and November 2022 and January 2023.

As part of this effort, 15 wells located throughout the OU-1 area were monitored prior to and following NAPL removal from the wells. NAPL recovery totals are discussed in Section 2.1.5. Following the initial monitoring and recovery event, NAPL recovery within the wells was then monitored over time on a quarterly basis. Results from this assessment are provided below in Table 2b.

Table 2b. Summary of NAPL Recovery Assessment

Well ID	Screen Interval	Well Diameter (in.)	Initial Monitoring and Recovery Event					Recovery Monitoring – NAPL Thickness (feet)	
			Date	Start NAPL Thickness (feet)	NAPL /Water Mix Gallons Recovered	End NAPL Thickness (feet)	Calculated Approximate DNAPL Recovered	Q1 2023	Q2 2023
DNAPL									
BBRW-01R	30 - 60	4	10/28/2022	1.82	3	1.53	0.19	0.38	0.47
BBRW-02	58.2 - 78.2	6	10/28/2022	5.11	7	4.54	0.84	4.96	5.03
BBMW-05D	64 - 74	2	1/30/2023	0.00	0	0.00	0.00	-	0.22
BBRW-06	25 - 55	4	10/28/2022	1.67	2	1.14	0.35	1.35	1.50
BBRW-08	65 - 75	4	10/28/2022	1.71	1	1.36	0.23	1.98	2.10
BBMW-22D	64 - 74	2	1/31/2023	4.09	5	0.01	0.67	0.12	0.20
BBMW-34I2	40 - 45	2	11/11/2022	1.90	11	0.04	0.30	0.10	0.40
BBMW-38I	25 - 30	2	11/11/2022	1.43	3	0.82	0.10	0.42	0.57
BBMW-38I2	40 - 45	2	11/11/2022	1.55	2	0.50	0.17	0.45	0.59
OZMW-21I	20 - 30	2	10/26/2022	1.65	21	0.01	0.27	0.10	0.20
OZMW-21D	55 - 60	2	11/11/2022	3.31	3	2.32	0.16	4.11	5.14
TG-32I2	40 - 50	2	1/31/2023	2.62	4	0.02	0.42	-	1.34
TG-32D	65 - 75	2	1/31/2023	1.40	0.5	0.63	0.13	-	1.86
TG-44I2	55 - 60	2	1/31/2023	2.45	5	0.49	0.32	-	1.18
Total Approximate Gallons of DNAPL Recovered							4.14		
LNAPL									
OZMW-21S	10 - 15	2	10/26/2022	NA	5	NA	NA	NA	0.48

Notes:
NO: Not observed
NA: Not available
-: Not applicable
NAPL recovery was performed using a Water Spout downhole pump at all wells, except for TG-32D, where a bailer was used.

As indicated above, excluding well BBRW-02 where routine monthly DNAPL monitoring and recovery is already ongoing, NAPL thicknesses were noted to rebound by more than 1-foot at several wells (BBRW-06, BBRW-08, OZMW-21D, TG-32I2, and TG-32D). As such, it is warranted to include these wells in the routine monthly NAPL monitoring and recovery program. In order to accelerate NAPL recovery at the Site, recovery of DNAPL at thicknesses of greater than 1 foot from these wells already began in early Q4 2022.

2.1.4 Routine DNAPL Recovery

As summarized below in Table 2c, over 18 gallons of DNAPL were recovered from well BBRW-02 during this reporting period, averaging almost 5 gallons per quarter. In addition, a cumulative total of over 720 gallons of DNAPL have been recovered from well BBRW-02 since routine DNAPL recovery operations were initiated in Q1 2006.

Table 2c. Summary of DNAPL Removal at Recovery Well BBRW-02

Time Period		Approximate DNAPL Thickness (feet)		Approximate DNAPL Recovered
		Initial	Final	(Gallons)
Q3 2022	07/29/2022	4.1	2.6	2.23
	08/25/2022	5.1	4.6	0.73
	10/05/2022	5.0	3.8	1.70
Q4 2022	10/28/2022	5.1	4.5	0.84
	12/16/2022	5.0	4.3	1.06
Q1 2023	01/20/2023	5.6	5.0	0.88
	03/01/2023	6.2	5.0	1.78
	04/05/2023	6.1	4.9	1.75
Q2 2023	05/05/2023	5.6	3.3	3.38
	06/02/2023	5.7	4.1	2.28
	06/30/2023	5.6	4.2	2.01
Totals	**Q3 2022 – Q2 2023**	**-**	**-**	**18.64**
	To Date (Since Q1 2006)	**-**	**-**	**720.10**

Notes:
Total volume and minimum volume removed is estimated by multiplying NAPL thickness by the cross-sectional area of the well.

DNAPL thicknesses prior to recovery ranged from approximately 4.1 and 6.2 feet during this reporting period. DNAPL thickness results have varied in recent monitoring events; however, an overall decreasing trend has been observed since recovery activities were initiated in Q1 2006.

2.1.5 Additional NAPL Recovery Assessment

As described above, NAPL was monitored and recovered from 15 wells located in the OU-1 area throughout portions of October and November 2022 and January 2023 as part of an assessment to identify which wells would be best suited for inclusion in the routine NAPL monitoring and recovery program.

As summarized in Table 2b, a total of almost 3.5 gallons of DNAPL were recovered as part of this effort. Recommendations for wells best suited for inclusion in the routine NAPL monitoring and recovery program are provided in Section 5.

2.2 OU-1 Ozone Groundwater Treatment System

2.2.1 Program Scope and Purpose

The OU-1 ozone injection system operating at the downgradient edge of OU-1 reduces concentrations of dissolved-phase contaminants through in situ chemical oxidation (ISCO) prior to passing through a perforated section of the subsurface barrier wall, located at the downgradient boundary of OU-1.

The barrier wall extends through the Upper Glacial aquifer to approximately 70 feet bgs. A 190-foot section of the wall located parallel to Union Boulevard is perforated from approximately 10 to 40 feet bgs. This perforated zone creates a "window" where groundwater treated via the ozone injection system is discharged from OU-1 to OU-2. The ozone treatment area consists of 63 injection wells screened at 2-foot intervals between 27 and 50 feet bgs, with 11 horizontal SVE laterals. Per NYSDEC approval, the SVE system formerly operating in this area was shut down due to low contaminant concentrations; however, the SVE system remains in operational condition should contaminant concentrations warrant re-start.

2.2.2 Routine Ozone Injection System OM&M Activities

Routine ozone injection system OM&M activities are summarized below in Table 2d. All monitoring events were completed as planned during this reporting period.

Table 2d. Routine Ozone Injection System OM&M Activities

Activity	Task Description	Frequency	Location of Results
Ozone System Monitoring	Routine inspection and maintenance of system components, monitoring of operational parameters, and recording/adjusting injected ozone concentrations.	Weekly	Details are recorded on field logs (not provided herein)
SVE System Monitoring	Monitoring of SVE manifold to confirm no excess ozone in subsurface. Maintaining	Annually	Details are recorded on field logs (not provided herein)

Activity	Task Description	Frequency	Location of Results
	the SVE system in "ready" condition for re-start, if needed.		
System Performance Monitoring	Monitoring downgradient BTEX and PAHs in groundwater at well clusters OZMW-23 and OZMW-24.	Quarterly	Figure 4, Section 4, Table 4-1, and Table 4-2

2.2.3 Ozone Injection System OM&M Data

2.2.3.1 Performance Monitoring and Contaminant Concentration Trends

Ozone injection system performance monitoring is completed via quarterly monitoring of BTEX and PAHs in wells located within the treatment zone and downgradient of the system at wells located upgradient and immediately downgradient of the subsurface barrier wall. As a result of the ozone injection system operation, total BTEX and PAH concentration trends have reduced significantly over time in the shallow and intermediate zones at these well clusters (Fig. 4).

Similar to previous monitoring events, monitoring well OZMW-24I2, immediately upgradient of the subsurface barrier wall exhibited the highest total PAH concentrations during this reporting period, a new historical high concentration for this well. However, total PAH concentrations in OZMW-24I2 decreased to below average levels in Q2 2023 and remain highly variable. Total BTEX concentrations in well OZMW-24D, located immediately upgradient of the barrier wall perforation, were elevated but were within the lower end of their historical range during this reporting period and were lower than corresponding total PAH concentrations. Although, elevated total PAH concentrations remain in OZMW-24D, concentrations remained within their historical ranges during this reporting period. Groundwater passing through the perforated section of the subsurface barrier wall is further treated by the OU-1 Union Boulevard oxygen injection system, further discussed below in Section 2.3. Groundwater quality trends are discussed further in Section 4.

2.2.3.2 Ozone Injection System

Both trains of the ozone system operated without interruption from the start of the reporting period through June 2, 2023, at which time the control panels for the chillers at both trains failed. Based on significantly lower than expected percentage of ozone injected prior to failure of the control panels (beginning in March 2023), operation of the chillers appears to have been affected prior to failure in June 2023. Based on the age of the overall system the equipment manufacturer recommended replacement of both chillers in addition to both control panels. Parts were ordered in Q3 2023, with installation likely to occur in early Q4 2023.

It should also be noted that the booster pump for the Train 2 portion of the ozone injection was replaced on July 29, 2022. Prior to that time in this reporting period, only Train 1 was

operational. Overall, the ozone injection system was operational for 336 out of 365 days (92%) during this reporting period.

The ozone injection system injected ozone at a total average rate of 1.81% during this reporting period, with quarterly averages ranging from approximately 1.08% (Q2 2023) to approximately 2.02% (Q1 2023). The ozone injection system injected an average of approximately 13 pounds of ozone per day, prior to the issues with the chillers discussed above. The ozone injection system was designed to inject an air-ozone mixture of approximately 1.5% ozone and 98.5% air.

2.2.3.3 SVE System Monitoring

Annual monitoring of the SVE manifold effluent port is typically completed during Q4 of each year, concurrent with annual system maintenance activities, to monitor ozone concentrations within the vadose zone in the area of the SVE manifold.

Consistent with historical ozone monitoring results, ozone was not detected in the SVE manifold effluent port during this reporting period.

2.3 Oxygen Injection Systems

2.3.1 Program Scope and Purpose

The oxygen injection systems located throughout OU-1, OU-2, and OU-3 generate and inject oxygen into the subsurface to create an aerobic environment, thus facilitating biodegradation of dissolved-phase MGP-related impacts. Given the significant MGP-related impacts concentration reductions achieved since startup of the oxygen injection systems, multiple systems and/or portions thereof have been shut down, as summarized in Section 1.

A summary of the oxygen injection systems currently operating at the Site during this reporting period is presented below in Table 2e.

Table 2e. Current Operating Oxygen Injection Systems

Operable Unit	Oxygen Injection System Designation	Operation Start Date
OU-1	OU-1 Union Boulevard System	Feb. 2008
	60/66 N. Clinton Ave System	Jan. 27, 2010
	OU-1 Union Boulevard Extension	Jun. 16, 2011
	OU-1 North System	Oct. 28, 2013
OU-2	Montauk Highway Oxygen Injection System*	Dec. 28, 2005
	34 N. Clinton Ave Oxygen Injection System	Jan. 20, 2009
	33 N. Clinton Ave. Oxygen Injection System	Mar. 31, 2009
	Cooper Lane Oxygen Injection Line (Extension of 33 N. Clinton System)	Nov. 16, 2009

Operable Unit	Oxygen Injection System Designation	Operation Start Date
	33 N. Clinton Ave/Cooper Lane Oxygen Injection Line	Mar. 31, 2009/ Nov. 16, 2009
OU-3	Community Road Oxygen Injection Line	Apr. 6, 2010
	87 Community Road	Sep. 26, 2013

Notes:
*: Manatuck portion of the system was shut down on May 10, 2019.

2.3.2 Routine Oxygen Injection System OM&M Activities

Routine oxygen injection system monitoring activities are summarized below in Table 2f.

Table 2f. Routine Oxygen Injection System OM&M Activities

Current Activity	Description	Frequency	Location of Results
Oxygen System Monitoring	Routine inspection and maintenance of system components, monitoring of operational parameters, and recording/adjusting injection flow rates.	Monthly	Appendices B, C, and D
	Monitoring oxygen purity.	Monthly	Appendices B, C, and D
System Performance Monitoring	Monitoring upgradient and downgradient BTEX and PAHs in groundwater.	Quarterly	Section 4, Figures 4, 5, and 6
	Monitoring of groundwater chemistry parameters.	Quarterly	Appendix E

2.3.3 Oxygen Injection System OM&M Data

2.3.3.1 System Operational Data

Overall, the oxygen injection systems were operational more than 91% of the time during this reporting period. Downtime during this reporting period resulted from power outages, scheduled maintenance, and mechanical issues primarily including compressor malfunctions. In addition, the HMI panel needed to be replaced in OU-1 North system, resulting in significant downtime. Low oxygen percentages were also observed at the 33 North Clinton and the Garner Lane oxygen injection systems. These systems are operational, but at a reduced capacity. The low O2 percentage is likely due to improper valve operation on the oxygen generator or spent sieve material. These issues are planned to be addressed during Q4 2023.

Approximately 367,769 lbs of oxygen were injected at OU-1, OU-2, and OU-3 during this reporting period. Calculated oxygen weights and system operational data are summarized below in Table 2g. Calculated oxygen weights for the OU-1, OU-2, and OU-3 systems are provided in Appendices B, C, and D, respectively.

Table 2g. Oxygen Injection System Operational Data

Operable Unit	Oxygen Injection System/Treatment Line	System % Operational Time (Q3 2022-Q2 2023)	Oxygen Injected (pounds)					Total Oxygen Injected Through Q2 2023 (Pounds)
			Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2022 - Q2 2023	
OU-1	OU-1 Union Boulevard and Extension	94.8%	11,236	20,631	15,398	12,387	59,652	857,618
	60/66 N. Clinton (O_2 to OU-1)	88.8%	12,881	13,674	7,530	10,821	44,907	442,289
	OU-1 North	61.4%	0	9,735	7,286	10,038	27,059	359,222
OU-2	Garner Lane	100.0%	4,290	4,049	1,963	1,695	11,997	1,332,278
	34 N. Clinton	100.0%	20,397	18,104	19,793	16,716	75,010	956,898
	33 N. Clinton/Cooper Lane	99.2%	6,904	14,304	12,388	10,494	44,091	981,181
OU-3	Community Road (60/66 N. Clinton [O_2 to OU-3])	88.8%	15,967	18,255	9,548	13,505	57,274	792,474
	87 Community Road	97.3%	12,491	14,012	9,693	11,583	47,779	484,748
Totals		**91.3%**	**84,167**	**112,765**	**83,598**	**87,240**	**367,769**	**6,206,708**

2.3.3.2 Performance Monitoring and Groundwater Parameters

Operation of the oxygen injection systems has significantly increased both DO and ORP in groundwater in the OU-1, OU-2, and OU-3 areas. Summarized below in Table 2h and Table 2i, are current and historical DO and ORP concentrations in targeted wells located in the vicinity of the oxygen injection systems throughout the OU-1, OU-2, and OU-3 areas.

Please note that "baseline average" refers to the time predating startup of the initial or principal oxygen injection system at each OU (January 27, 2010 for OU-1; January 20, 2009 for OU-2; and April 6, 2010 for OU3) while "historical average" refers to the time following startup of these same initial or principal oxygen injection system through this reporting period.

Table 2h. Summary of DO Concentrations

Operable Unit	Groundwater Interval	DO Concentrations (mg/L)			Targeted Downgradient Monitoring Wells
		Baseline Average	Historical Average	Current Average	
OU-1	Shallow	16.6	25.2	10.7	OZMW-16, OZMW-17, OZMW-18, OU2MW-50, and OU2MW-57
	Intermediate	8.4	16.2	10.0	
	Deep	0.0	6.2	5.3	
OU-2	Shallow	1.1	22.7	10.0	OU2MW-02, OU2MW-19, OU2MW-30, OU2MW-39, and OU2MW-47
	Intermediate	0.2	23.6	14.2	
	Deep	0.2	12.5	8.7	
OU-3	Shallow	10.6	10.4	8.7	IO-10, MW-34, MW-46WR, MW-70/70S, OU3MW-07, OU3MW-19 and OU3MW-20
	Intermediate	2.4	15.1	11.1	

Notes:
mg/L – milligrams per liter

Table 2i. Summary of ORP Values

Operable Unit	Groundwater Interval	ORP Values (mV)			Targeted Downgradient Monitoring Wells
		Baseline Average	Historical Average	Current Average	
OU-1	Shallow	64	179	195	OZMW-16, OZMW-17, OZMW-18, OU2MW-50, and OU2MW-57
	Intermediate	51	175	240	
	Deep	15	88	100	
OU-2	Shallow	-41	204	198	OU2MW-02, OU2MW-19, OU2MW-30, OU2MW-39, OU2MW-47, and OU2MW-55
	Intermediate	-29	192	213	
	Deep	24	141	203	
OU-3	Shallow	-57	55	136	IO-10, MW-34, MW-46WR, MW-70/70S, OU3MW-07, OU3MW-19 and OU3MW-20
	Intermediate	-40	176	211	

Notes:
mV - milli-volt

Specific trends in DO and OPR values are presented below:

- Although current DO concentrations remain below historical average concentrations in the above targeted monitoring wells located downgradient of the oxygen injection systems operating at each OU, DO concentrations during this reporting period have generally remained significantly above baseline DO concentrations. As such, and based on the laboratory analytical results described in Section 4, elevated oxygen concentrations exist downgradient of the oxygen injection systems promoting the continued biodegradation of MGP-related impacts in groundwater.
- ORP values have increased significantly above baseline values in the above targeted monitoring wells located downgradient of the injection systems operating at each OU and have generally continued to increase during this reporting period. As such, and

based on the laboratory analytical results described in Section 4, aerobic conditions and the potential for oxidative reactions continue to exist downgradient of the oxygen injection systems.

Historical DO and ORP concentrations (as well as pH, conductivity, and temperature) for Site wells are provided in Appendix E.

2.3.3.3 Performance Monitoring and Concentration Trends

Significant reductions in total BTEX and total PAH concentration trends have been observed since startup of the oxygen injection systems, as discussed in Section 4.

3. Groundwater Level Monitoring and Well Condition Assessment Programs

This section presents a summary of the hydrogeologic setting of the Site, the groundwater level monitoring program, and the results of groundwater elevation and groundwater flow direction monitoring for the Site.

3.1 Hydrogeologic Setting

The Upper Glacial, Magothy, and Lloyd represent Long Island's three major aquifers. The Upper Glacial aquifer is a water table aquifer and is the primary aquifer of concern at the Site; though, the Upper Glacial aquifer is not used as a source of potable water at or downgradient of the Site.

The Upper Glacial aquifer is a moderate to highly permeable glacial outwash deposit, consisting mainly of inter-bedded layers of permeable sand and gravel and less permeable layers of silty sand. The Upper Glacial aquifer is approximately 70 feet thick at the Site. The water table is present within the upper 10 feet of the aquifer at the Site, which becomes progressively shallower downgradient of the Site. Lower permeability zones define the boundary between the Upper Glacial and Magothy aquifers in the vicinity of the Site.

3.2 Groundwater Level Monitoring

Groundwater level monitoring is conducted annually at the Site to determine groundwater elevations and resultant groundwater flow regimes. Review of groundwater elevations and flow directions aids in monitoring and evaluating the effectiveness of remedial activities and is also useful in future remedy planning. Well locations are depicted on Fig. 1.

Groundwater level monitoring throughout the Site is currently competed at a total of 301 wells: 72, 137, 53, and 39 wells located at OU-1, OU-2, OU-3, and OU-4, respectively. In addition, five surface water gauging stations are located at the Site, as follows: BBSW-07 at Lawrence Lake and OU2SW-01 and BBSW-06 at Lawrence Creek (OU-2); BBSW-13 at O-Co-Nee Pond (OU-3); and BBSW-14 at Watchogue Creek (a.k.a., Crum's Brook) along Union Boulevard (OU-4).

Primarily based on limited access to some wells and some wells not having been surveyed, depth to groundwater measurements were collected from a total of 263 wells and five surface water gauging stations throughout the Site in Q2 2023 (July 5 through 7, 2023). Given the number of wells monitored and their vertical and areal distributions throughout the Site, it was determined

that sufficient water level data was collected to effectively determine groundwater elevations and flow directions throughout the shallow and deep portions of the aquifer throughout the Site.

Depth to groundwater results and calculated groundwater elevations (based on the North American Vertical Datum (NAVD) 88 datum [November 2007 or subsequent surveys]) are provided in Tables 3-1 through 3-8.

3.3 Groundwater Elevations and Flow

As depicted on Figs. 7 through 9, shallow and deep groundwater flow directions at and downgradient of the Site are generally toward the south/southeast, with generally similar shallow and deep groundwater elevations and flow directions. Overall, current (Q2 2023) values are generally lower than average historical values, and lower than the previous monitoring event (Q2 2022).

3.4 Monitoring Well Condition Assessment and Abandonment Program

Concurrent with the collection of groundwater level measurements, the condition of each well is assessed for damage or other indications which may affect the viability of the wells. In general, all wells were observed to be accessible and in good condition during this reporting period; however, minor repair items, such as replacement of broken well covers, etc., were completed concurrently with site-wide groundwater sampling activities.

As part of ongoing efforts to abandon damaged wells or wells which are no longer needed based on historically decreasing MGP-related impacts concentrations, a total of four wells were abandoned during this reporting period (BBMW-27S/I in Q4 2022 and BBMW-26S/I in Q2 2023). All wells were abandoned in accordance with the NYSDEC-approved September 30, 2022, well abandonment request letter and NYSDEC's CP-43 monitoring well decommissioning policy document. Summary letters for the abandonment events were submitted to NYSEC on January 18, 2023, and June 9, 2023, respectively.

As part of this ongoing effort, multiple additional wells are planned to be abandoned per NYSDEC approval during the following reporting period.

4. Groundwater Quality

A summary of total BTEX and total PAH groundwater impacts for the current reporting period is provided in the subsections below. Also provided below is a description of the lateral and areal extents of the current composite plume for each of the OUs, based on the sample results from the annual sample round completed in Q2 2023. As indicated above, the annual sampling round includes the largest number of wells and is, therefore, the most complete data set.

Given the reductions in plume size and MGP-related impacts concentrations achieved through implementation of remedial activities at the Site since Q1 2009 (as summarized in Section 1) and based on the 2012 NYSDEC-approved monitoring program modification/reduction criteria, a total of 156 wells were sampled during this reporting period (56 wells at OU-1, 67 wells at OU-2, 29 wells at OU-3, and 4 wells at OU-4). Groundwater well locations, as well as geographic boundaries and remedial components for all Site OUs, are depicted on Fig. 1.

To facilitate an understanding of the scope and scale of remedial progress within all Site OUs, Fig. 1 also provides representations of the areal extents of the composite total BTEX and total PAH plumes from the 2004 RI, the "baseline" pre-remedial Q1 2009 investigation (as further explained below), and the current Q2 2023 annual sampling round. Given the multiple remedial activities completed at the Site since Q1 2009 (summarized in Section 1), it would be expected that concentrations would have reduced significantly and that overall MGP-related impacts concentration trends would have been reduced over time at the Site. As described below, a comparison of current and historical contaminant concentrations and trends confirms such expectations.

The groundwater quality descriptions and comparisons below are generally organized by OU, then by OU feature (i.e., upgradient or downgradient of the OU-1 barrier wall, etc.), as appropriate, and then by aquifer zone. As identified above, the aquifer zones include:

- **Shallow Zone:** Includes wells with the top of the well screen located up to 10 feet bgs.
- **Intermediate Zone:** Includes wells with the top of the well screen located from 10 feet through up to 50 feet bgs.
- **Deep Zone:** Includes wells with the top of the well screen located at or deeper than 50 feet bgs.

The below subsections provide a description of iso-concentration maps (Figs. 11 through 16) developed to illustrate the current and historical distributions of total BTEX and total PAH concentrations within the Site OUs; a discussion of current contaminant concentrations and

applicable comparisons to historical data; and an analysis of sulfate concentrations within select OU-1 and OU-2 wells.

4.1 Current and Historical Plume and Iso-Concentration Maps

The distribution of total BTEX and total PAH concentrations within the Upper Glacial aquifer for the annual Q2 2023 sample round are depicted as iso-concentration lines for the three aquifer zones (shallow, intermediate, and deep) presented in Figs. 11 through 16, respectively. As such, the iso-concentration lines depict the Q2 2023 data set only and will not include BTEX and PAH variations identified in other quarters during this reporting period. Iso-concentration figures associated with the quarterly sampling events completed during this reporting period (Q3 2022, Q4 2022, and Q1 2023) are also provided in Appendix F, for informational purposes.

It should be noted that data associated with temporary wells in OU-3 are excluded from the iso-concentration figures, given their differing construction materials and methods.

The iso-concentration lines depicting the Q1 2009 sample round on each figure represent historical pre-remedial or "baseline" groundwater conditions within the OU areas. As such, the Q1 2009 data plume is referred to as the Baseline Q1 2009 Plume. However, it should be noted that, pre-S-ISCO injection data generated in April 2009 (Q2) for several OU-4 wells (WCMW-11S, I, and D, WCMW-17S, I, and I2, and WCMW-18WT, S, I, and I2) was used in the development of the Baseline Q1 2009 iso-concentration maps.

The horizontal distribution of MGP-related impacts on each figure are depicted as lines of equal concentration (iso-concentration lines), which were generated using a combination of applied methods. Initially, the lines were created by direct graphical interpolation between concentrations. These lines were then modified to factor in groundwater flow, considering the southeasterly flow direction and the low transverse dispersion of the Upper Glacial aquifer, as well as other local hydraulic factors that might influence groundwater flow. For the purposes of this report, the areal extent of groundwater impacts (total BTEX and total PAH plume outlines) for each aquifer zone is defined by the 100 µg/L contour. The iso-concentration lines also define the areal extents of the composite plumes represented on Figure 1.

Based on review of Figs. 11 through 16, the overall OU1/OU2 groundwater plumes (concentrations of total BTEX and total PAH equal to or greater than 100 µg/L) have significantly reduced in size and concentration since remedial activities began in 2009. These significant reductions generally include the elimination of shallow and intermediate impacts above 100 µg/L in OU-2 downgradient of the main plume area, excluding one shallow well (BBMW-23S) located near the OU-1/OU-2 boundary and varying but typically elevated contaminant concentrations in the deep zone immediately downgradient of the barrier wall. Prior to implementation of remedial activities, intermediate zone OU-2 impacts were historically present from the OU-1 source area extending approximately 2,700 feet southeast from the Site.

As depicted on Fig. 11, OU-3 shallow BTEX impacts in the Brightwaters Yard have been reduced by up to two orders of magnitude by implementation of the various remedial activities at the Site, and generally continue to decrease over time. Intermediate impacts identified in the area have also been reduced significantly (Figs. 13 and 14). Similar decreases are also evident in the shallow and intermediate zones downgradient of the Brightwaters Yard, where impacts above 100 µg/L have been greatly reduced. Shallow impacts (primarily total BTEX) downgradient of the Brightwaters Yard historically extended south of Union Boulevard, prior to implementation of remedial activities (remedial excavations, treatment system installations and modifications, and ORC-A injections), as detailed in Section 1.

Based on review of Figs. 11 through 14, OU-4 wells continue to exhibit decreasing concentration trends in shallow and intermediate zone wells. However, impacts above 100 µg/L are periodically detected in limited shallow and intermediate wells screened outside or below the vertical extent of the remedial excavation. No impacts have historically been present in the deep zone in the OU-4 area. It should be noted that, similar to this reporting period, access issues typically prevent sample collection at well clusters WCMW-11, WCMW-26, and WCMW-29.

The lateral and areal extents of the current (annual Q2 2003 groundwater sampling event) and historical plume at the Site are discussed further and the iso-concentration figures are referred to as appropriate in the following subsections to facilitate an understanding of the scope and scale of remedial progress over time at the Site.

4.2 Operable Unit 1 and Operable Unit 2

The groundwater plume emanates from the source area (OU-1) and extends downgradient into the OU-2 area. Due to their dependent relationship, these two OUs are presented and evaluated together in this section.

Of the 123 groundwater wells sampled throughout the OU-1 and OU-2 areas, a total of 39 wells exhibited exceedances of the AWQS for total BTEX and/or total PAHs during this reporting period. However, only 32 of these wells exhibited total BTEX and/or total PAHs concentrations above 100 µg/L, with the vast majority located within the capture zone of the barrier wall and within the treatment zone of one of the systems operating at the site. As identified in Section 2.1.2, multiple wells in this area also exhibited measurable thicknesses of NAPL and were, therefore, not sampled.

4.2.1 Total BTEX and Total PAH Composite Plume Comparison

Based on review of Figure 1, the composite Q2 2023 plume is similar to recent events and is comprised of one main area, which has been significantly reduced in overall extents from the single larger historical 2004 RI plume to two smaller areas in the vicinity of the barrier wall. The main plume area begins in the upgradient portion of OU-1 and extends downgradient into

OU-2, while the two smaller plume areas are located immediately to the east of the barrier wall within the OU-1 area and southwest of the main plume area, with small areas defined by impacts observed in only one well cluster each.

Overall, and as further described below, current shallow and intermediate zone impacts above 100 µg/L at OU-2 have been largely eliminated and are only present in shallow well BBMW-23S BTEX and intermediate well OZMW-18I2 PAHs, located in the vicinity of the barrier wall. Furthermore, deep zone impacts above 100 µg/L at OU-2 have also been largely eliminated and are currently only present in deep well OZWM-17D (BTEX and PAHs).

The current overall plume footprint is slightly larger in area when compared to the previous overall plume footprint, due in large part to highly variable, but generally downward trending, impact concentrations historically detected in wells located within and outside and/or downgradient of the barrier wall capture zone (OZWM-17 through OZMW-19). However, in comparison to the Baseline Q1 2009 Plume, the current composite Q2 2023 plume has been significantly reduced in both length and width, with the majority of impacts limited to the upgradient portion of the mid-plume area. The current composite plume has been reduced by over 2,000 feet in length and 450 feet in width (at its widest point) in comparison to the Baseline Q1 2009 plume (Fig. 1).

4.2.2 OU-1 and OU-2 Groundwater Quality

The groundwater quality discussion below is divided into two sections: upgradient of the barrier wall (OU-1) and outside the capture zone at and/or downgradient the barrier wall (OU-1 and OU-2). Historical total BTEX and total PAH analytical results are presented in Tables 4-1 and 4-2 for OU-1 and Tables 4-4 through Table 4-9 for OU-2. Analytical results for this reporting period for OU-1 and OU-2 are presented in Table 4-3 and Table 4-10, respectively.

4.2.2.1 Upgradient of the Barrier Wall

MGP-related impact concentrations upgradient of the barrier wall have been significantly reduced since implementation of remedial activities in Q1 2009, as described in Section 1. A total of 30 OU-1 wells were sampled upgradient of the barrier wall during this reporting period. Current concentrations upgradient of the barrier wall remain similar to recent results, with maximum concentrations well above 1,000 µg/L (total BTEX and total PAHs).

In general, impacts upgradient of the barrier wall are most prevalent in the southwestern portion of the OU-1 area, between the LIRR and the subsurface barrier wall in each of the three groundwater zones. Total BTEX concentrations are generally higher in the shallow zone, while total PAH concentrations are generally higher in the intermediate and deep zones. It should be noted that three intermediate wells located north of the LIRR (BBMW-34I2, BBMW-38I, and

BBMW-38I2) have not been sampled in recent events due to the presence of DNAPL in the wells, as described in Section 2.1.2.

Impacts above 100 µg/L to the north of the LIRR are limited to the shallow and intermediate zones. Similar to previous monitoring events, monitoring well BBMW-41S, located north of the LIRR, exhibited the highest total BTEX (ranging up to 5,711 µg/L in Q2 2023) during this reporting period, slightly above historical average concentrations. Although total BTEX concentrations in monitoring well BBMW-41S are routinely in the thousands, total BTEX concentrations have historically been highly variable and range from 1,856 µg/L to 13,425 µg/L. In addition, several shallow wells in the area north of the LIRR, particularly on the eastern portion of OU-1, have historically exhibited total BTEX and total PAH concentrations sporadically above 100 µg/L. These and other variable shallow zone detections are likely the result of fluctuations in groundwater elevations and the potential presence of a "smear zone" in the vicinity of the water table.

Similar to previous monitoring events, monitoring well OZMW-24I2, located downgradient of the ozone injection system and immediately upgradient of the subsurface barrier wall exhibited the highest total PAH concentrations (ranging up to 6,846 µg/L in Q1 2023) during this reporting period, a new historical high concentration for this well. The total PAH concentrations in OZMW-24I2 decreased to below average levels in Q2 2023 and remain highly variable.

4.2.2.2 Outside and/or Downgradient of the Barrier Wall

MGP-related impacts concentrations above 100 µg/L have been reduced significantly outside and/or downgradient of the barrier wall capture zone since implementation of remedial activities in Q1 2009. As such, several oxygen injection systems have been shut down with NYSDEC approval. Most recently, the 9 North Clinton Avenue system was shut down in August 2021, and post shut-down monitoring has commenced in this area.

Of a total 93 OU-1 and OU-2 wells sampled outside and/or downgradient of the barrier wall capture zone, only 11 wells exhibited total BTEX or PAH concentrations over 100 µg/L during one or more sample event during this reporting period. The highest total BTEX concentrations detected outside and/or downgradient of the barrier wall capture zone (857 µg/L) were detected at shallow OU-2 monitoring well BBMW-23S, located immediately downgradient of the barrier wall. The highest total PAH concentrations detected outside and/or downgradient of the barrier wall capture zone (2,004 µg/L) were detected at deep OU-1 monitoring well OZMW-17D, located immediately downgradient of the barrier wall and within the Union Boulevard oxygen injection system treatment area. Current and historical contaminant concentrations for these and other key OU-1 and OU-2 wells are discussed further below.

During this and recent sampling events, contaminant concentrations above 100 µg/L in the shallow or intermediate zones are generally only routinely present in three areas, as described below:

Shallow Zone: Immediately East and Downgradient of the Barrier Wall

Total BTEX concentrations above 100 µg/L were identified at OU-2 well BBMW-23S and OU-1 well OZMW-19S throughout this reporting period. Although BTEX concentrations at shallow well BBMW-23S have decreased significantly over the last several years, BTEX concentrations are periodically at or near 1,000 µg/L, as discussed further below.

Monitoring well BBMW-23S is the only shallow well downgradient of the barrier wall capture zone to exhibit remaining BTEX concentrations in exceedance of 100 µg/L. Overall, impacts at BBMW-23S have been significantly reduced from over 40,000 µg/L total BTEX and 3,000 µg/L total PAHs prior to or near the start of the remedial period (Q1 2009). Total BTEX concentrations in BBMW-23S continue to be variable but have been generally decreasing over the last several years, following a temporary significant increase during Q2 2019.

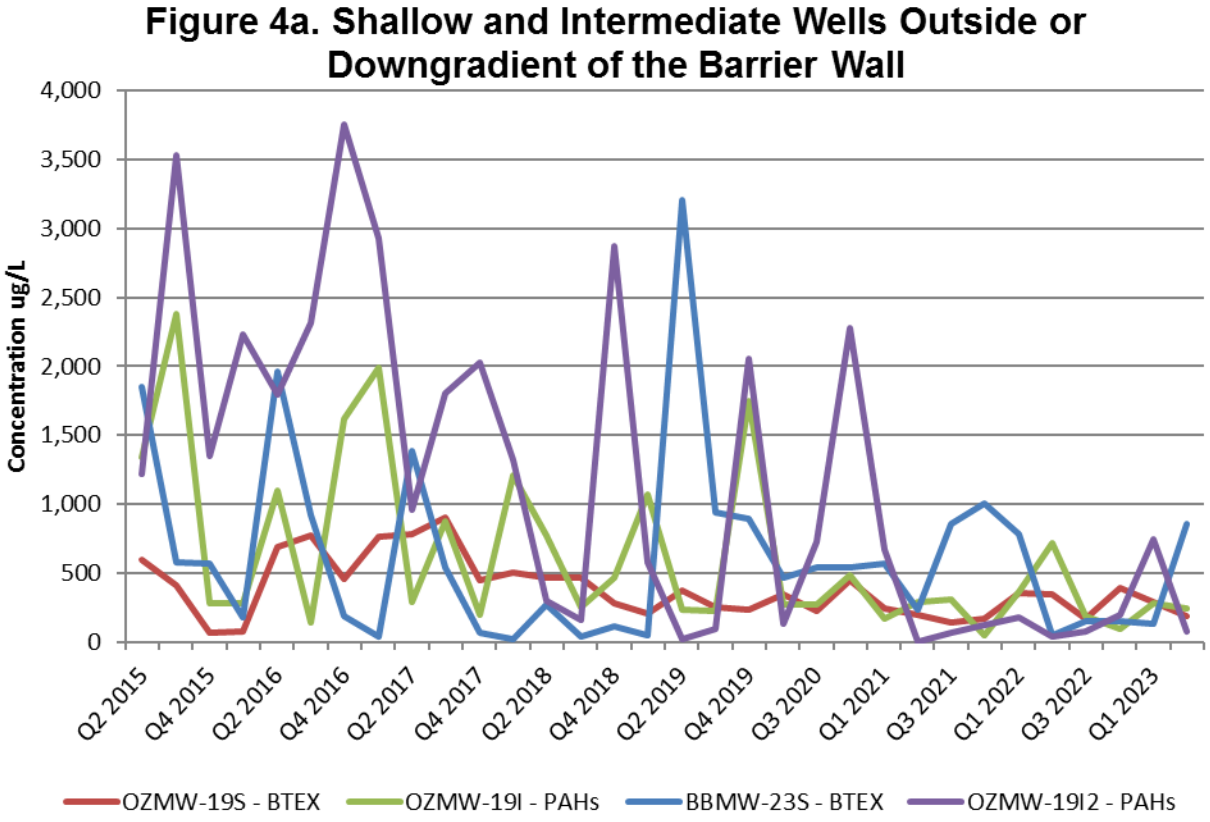
Total PAH concentrations in BBMW-23S have trended lower over time, exhibiting either non-detect levels or no exceedances of the AWQS during this reporting period. Historically, this well has exhibited temporary and intermittent increases in PAH concentrations, corresponding to periods of higher water table elevations. Based on review of current and historical analytical results for BBMW-23S and wells located downgradient of this area, the shallow impacts still observed at BBMW-23S appear to be localized and are not observed downgradient of the Cooper Lane oxygen injection system.

Total PAH concentrations in OZMW-19S exhibited an increase during this reporting period, with a high of 730 µg/L detected in Q1 2023, which is significantly above historical average PAH concentrations in this well. Total BTEX concentrations remained variable, but near the historical average.

Intermediate Zone: Immediately Outside the Eastern Portion of the Barrier Wall

Total BTEX and PAH concentrations in intermediate OU-1 wells OZMW-19I and OZMW-19I2 were sporadically above 100 µg/L throughout this reporting period. Total BTEX and PAH concentrations in each of these wells have been variable, though are generally decreasing and are significantly below historical levels. However, total PAH concentrations in OZMW-19I2 exhibited a sporadic increase during this reporting period, with a high of 743 µg/L detected in Q1 2023, markedly above the average PAH concentration for the past 2 years.

As stated above, higher concentrations of total BTEX and total PAHs are generally found in the shallow and intermediate zones, respectively. As such, recent shallow total BTEX and intermediate total PAH concentrations in the above wells are presented on the graph below.

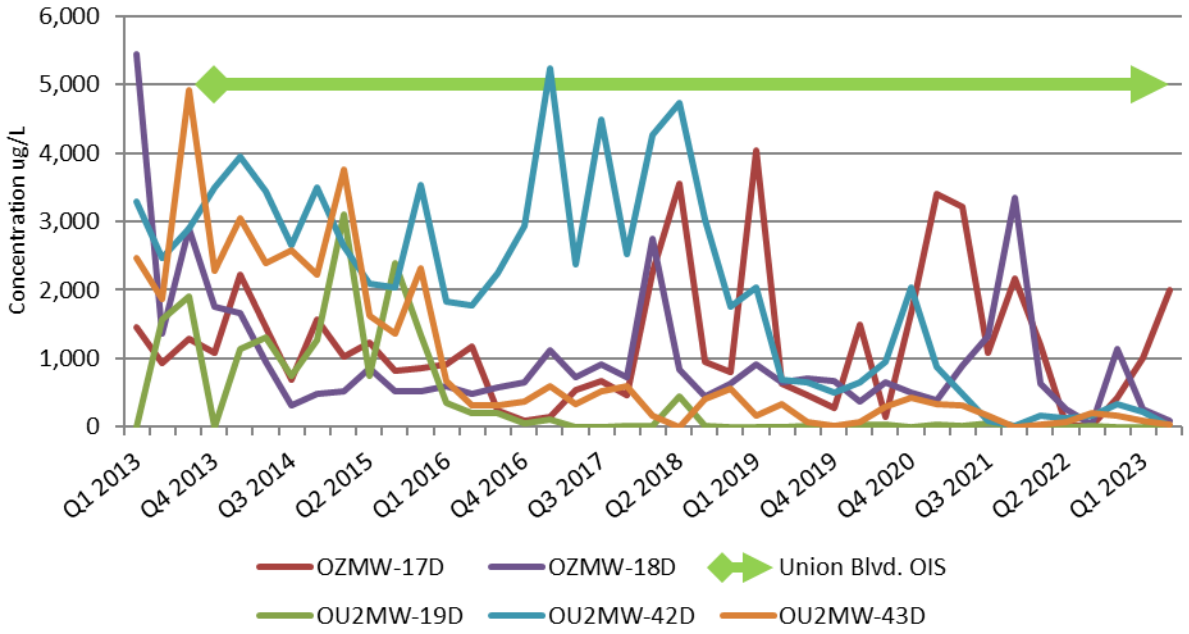


Deep Zone: Downgradient of the Barrier Wall

Total BTEX and total PAH concentrations above 100 µg/L in the deep zone were only observed in a limited area immediately downgradient of the barrier wall during this reporting period. In general, total BTEX and total PAH detections in deep wells located immediately downgradient of the barrier wall (OU-1 wells OZMW-17D and OZMW-18D) have remained elevated in recent sampling events (Figs. 15 and 16). Total PAH impacts are larger in area and are observed at higher concentrations than corresponding total BTEX concentrations.

Immediately downgradient of the barrier wall, BTEX was only detected at concentrations above 100 µg/L in well OZMW-17D (up to a sporadic high of 303 µg/L). Although the highest total PAH concentration detected during this reporting period (2,004 µg/L) was detected at OU-1 monitoring well OZMW-17D, current average deep impactconcentrations at OZMW-17D and OZMW-18D have not dramatically increased relative to previous recent reporting periods (see total PAH graph below) and have been generally trending downward for the past 4 to 5 years.

Figure 4b. Deep Zone Total PAH Concentrations Downgradient of Union Blvd. and Cooper Lane Oxygen Injection Systems



Further downgradient of the barrier wall, BTEX was not detected at concentrations above 100 µg/L in any deep OU-2 well. Current deep total PAH impacts within the OU-2 area extended to Cooper Lane and the 33 North Clinton Avenue oxygen injection system. Although significant impact concentrations reductions have been achieved at wells OU2MW-42D and OU2MW-43D in this area relative to historical levels, concentrations of total PAHs in these wells have remained generally elevated, at respective concentrations of up to approximately 324 µg/L and 195 µg/L during this reporting period. It should be noted that current total PAH concentrations in wells OU2MW-42D and OU2MW-43D have increased slightly relative to the previous reporting period (see graph above) but decreased in Q1 and Q2 2023 and were both below 100 µg/L during the annual (Q2 2023) sampling event. Additional remedial measures will be considered in the event that impact concentrations remain elevated in this area.

As described above, shallow and intermediate zone concentrations in the area downgradient of the barrier wall have decreased significantly since the start of remedial activities in Q1 2009; however, deep zone concentrations have remained elevated. Average impact concentrations at well clusters located immediately downgradient of the barrier wall (OZMW-16, OZMW-17, and OZMW-18), are provided in the below in Table 4b.

Table 4a. Average Contaminant Concentrations Immediately Downgradient of Barrier Wall

Compound Group	Depth Zone					
	Shallow		Intermediate		Deep	
	Q1 2009	Q2 2023	Q1 2009	Q2 2023	Q1 2009	Q2 2023
Total BTEX	128	ND	139	7.6	72	100
Total PAHs	ND	ND	1,316	91	146	678

Notes:
Shallow wells: OZMW-16S, OZMW-17S, OZMW-18S
Intermediate wells: OZMW-16I, OZMW-16I2, OZMW-17I, OZMW-17I2, OZMW-18I, OZMW-18I2
Deep wells: OZMW-16D, OZMW-17D, OZMW-18D
Concentrations provided in µg/L.
ND: Not Detected.

It should also be noted that sporadic detections of the AWQS for toluene, ranging in concentration from non-detect to 310 µg/L, were again detected at cluster OU2MW-02 (intermediate wells OU2MW-02S and OU2MW-02I and deep well OU2MW-02I2), located approximately 1,700 feet downgradient of the Site at the OU-1 and OU-2 boundary. The highest toluene concentrations were generally detected at the shallowest well at this well cluster (OU2MW-02S, screened at 20 to 25 feet below grade) during the reporting period. In addition, toluene was not detected in any wells upgradient of the OU2MW-02 well cluster. Given that toluene is not expected to be detected at these concentrations this far downgradient of the Site and multiple operating treatment systems, a supplemental toluene investigation was completed in this and targeted upgradient and downgradient areas during this reporting period (Q2 2023). No exceedances of toluene were identified during this event, following a decreasing trend since Q4 2022. The results of the toluene investigation were submitted to NYSDEC on September 11, 2023, under a separate cover letter. Toluene concentrations will also continue to be closely monitored at this location during future sampling events. Aside from the above descriptions, no other BTEX compounds were detected above the AWQS in the OU-2 wells.

4.3 Operable Unit 3

Given the reductions in plume size and impact concentrations resulting from the implementation of remedial activities in OU-3 (as summarized in Section 1), a total of 29 monitoring wells were sampled at OU-3 during this reporting period. A total of 14 wells exhibited exceedances of the AWQS for total BTEX and/or total PAHs during one or more sample event throughout this reporting period. Concentrations of total BTEX or total PAHs above 100 µg/L were detected in only eight wells.

As a result of historical remedial activities, significant reductions in groundwater impacts at and downgradient of OU-3 have been noted during recent sampling events. Only one well (MW-64) exhibited MGP-related impacts concentrations above 100 µg/L (total BTEX at 130 µg/L) downgradient of the sheeting cells and LIRR, as further detailed below.

4.3.1 Total BTEX and Total PAH Composite Plume Comparison

In comparison to the Q1 2009 OU-3 plume configuration, current (annual Q2 2002 groundwater sampling event) impact concentrations above 100 µg/L at OU-3 have been reduced significantly and are primarily limited to the Brightwaters Yard and its immediate vicinity (BTEX and PAHs at shallow well OU3MW-08S and BTEX at intermediate wells OU3MW-09I and IP-20B).

Overall, and as further described below, the current overall plume footprint is slightly larger when compared to the previous overall plume footprint, due in large part to highly variable, but generally downward trending, MGP-related impact concentrations historically detected in wells located upgradient of and within the sheeting cell area. However, in general OU-3 wells located downgradient of the 87 Community Road oxygen injection system exhibited either non-detect or low BTEX concentrations, with only one exception. Although not occurring during the annual sampling round, one well located downgradient of Community Road (intermediate well MW-64) exhibited BTEX concentrations (130 µg/L) above 100 µg/L during one sample event (Q1 2023) during this reporting period. BTEX concentrations in this well are typically highly variable and can periodically exceed 100 µg/L.

4.3.2 OU-3 Groundwater Quality

Typically, OU-3 wells exhibit significantly lower PAH concentrations than comparable BTEX concentrations. As such, BTEX is used as an indicator of site-related groundwater impacts and is the focus of the discussion below, which has been divided into three areas: upgradient (Brightwaters Yard); within the LIRR ROW sheeting cells; and downgradient of the LIRR ROW.

Historical OU-3 total BTEX and total PAH concentrations are presented in Table 4-11 and Table 4-12, respectively, while current analytical results for this reporting period are presented in Table 4-13. The area of total BTEX and total PAH impacts above 100 µg/L are provided on Figs. 11 through 14.

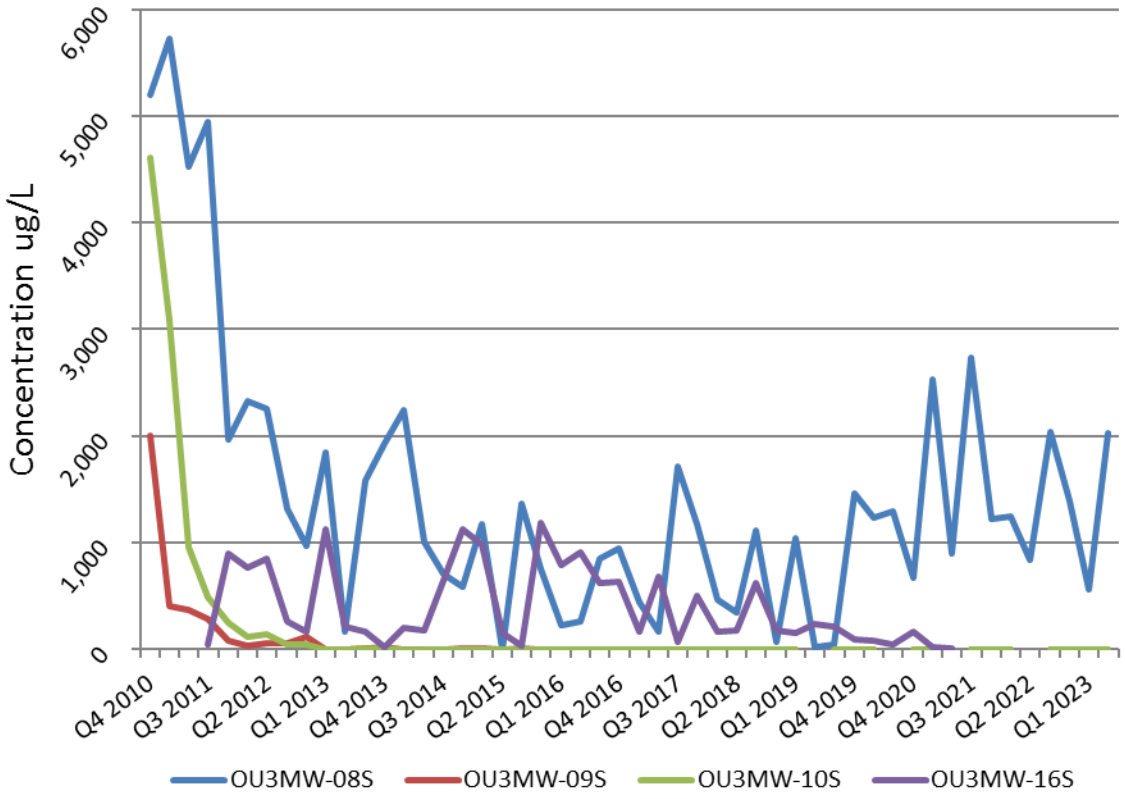
4.3.2.1 Upgradient Area (Brightwaters Yard)

Shallow groundwater concentrations in the Brightwaters Yard have decreased significantly via the completion of several remedial actions in this area (Section 1), most recently including the September 2019 ORC-A injection program. Historical ORC-A injection and OU-3 permanent and temporary monitoring well locations are shown in Fig. 17.

The greatest total BTEX concentrations in the area (ranging from 558 µg/L to 2,176 µg/L) were detected in shallow monitoring well OU3MW-08S, located in the southwest portion of the Brightwaters Yard, west of the historical main source excavation area. As shown in the graph below, Total BTEX concentrations in OU3MW-08S remain variable and, although have been generally increasing since Q4 2019, have predominantly been trending downward since

Q3 2021. Total PAHs at well OU3MW-08S were also detected at concentrations ranging from non-detect to 354 µg/L during this reporting period. It should be noted that, based on review of the OU3MW-08S boring log, a shallow peat unit exists in the vicinity of the well, potentially limiting ORC-A effectiveness around the well. However, possibly due to the ORC-A injections, MGP-related impacts in nearby well OU3MW-16S continue to exhibit near-historical low concentrations, with total BTEX ranging from 5 µg/L to 29 µg/L and total PAHs ranging from non-detect to only 6.8 µg/L during this reporting period.

Figure 4c. Post Excavation Shallow BTEX Concentrations - Select Wells at the Brightwaters Yard

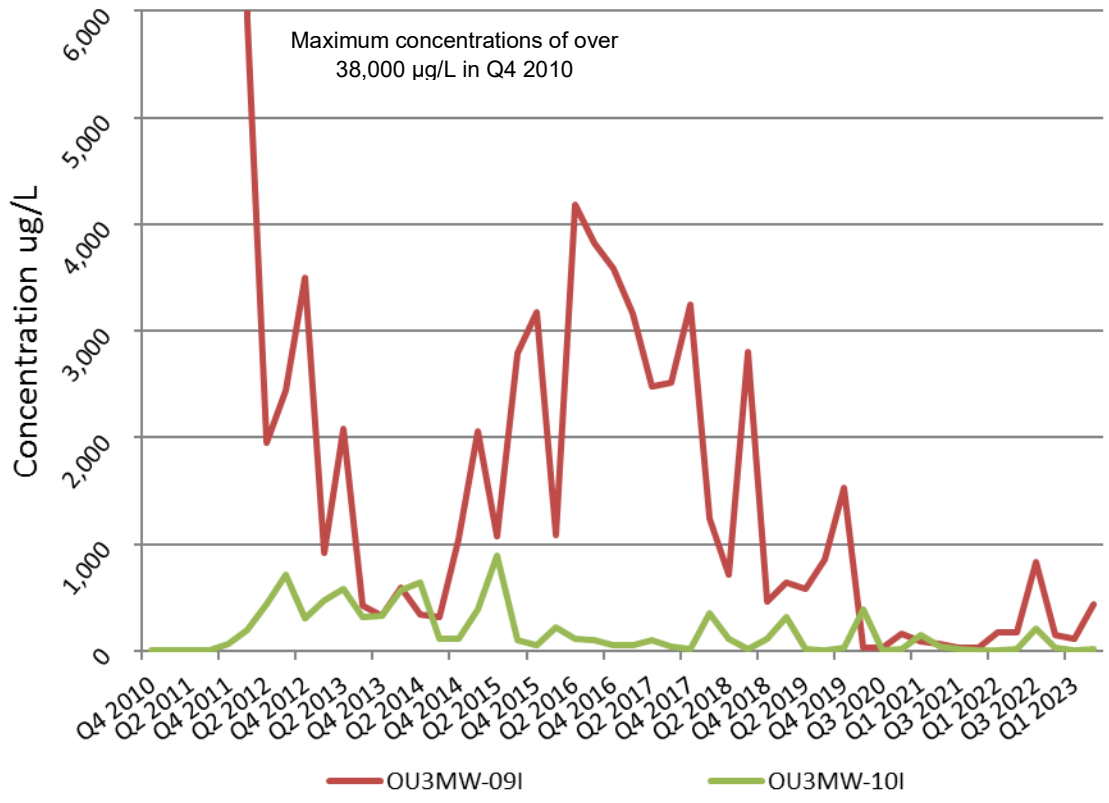


During the current reporting period, total BTEX concentrations consistently above 100 µg/L in intermediate wells in the Brightwaters Yard were limited to OU3MW-09I (ranging from 112 µg/L to 839 µg/L) (see graph below). Similar to, though less pronounced than, the historical reductions observed in shallow groundwater in this area, significant contaminant concentration reductions have been observed at intermediate well OU3MW-09I, with reductions of approximately three orders-of-magnitude below initial concentrations detected immediately following source area excavation (up to 38,700 µg/L in Q4 2010). These variations may be related to fluctuations in groundwater elevations. In addition, total BTEX concentrations in

intermediate monitoring well OU3MW-10I continue to vary slightly, ranging from 15.2 µg/L up to a high of 214 µg/L detected during Q3 2022.

Given the above assessment, the September 2019 ORC-A injection program has resulted in significant MGP-related impacts concentration reductions at OU3MW-09I and OU3MW-16S but has been somewhat less effective in reducing impact concentrations at OU3MW-08S.

Figure 4d. Intermediate BTEX Concentrations - Select Wells in the Brightwaters Yard



4.3.2.2 Sheeting Cell Areas (Southern Brightwaters Yard and LIRR ROW)

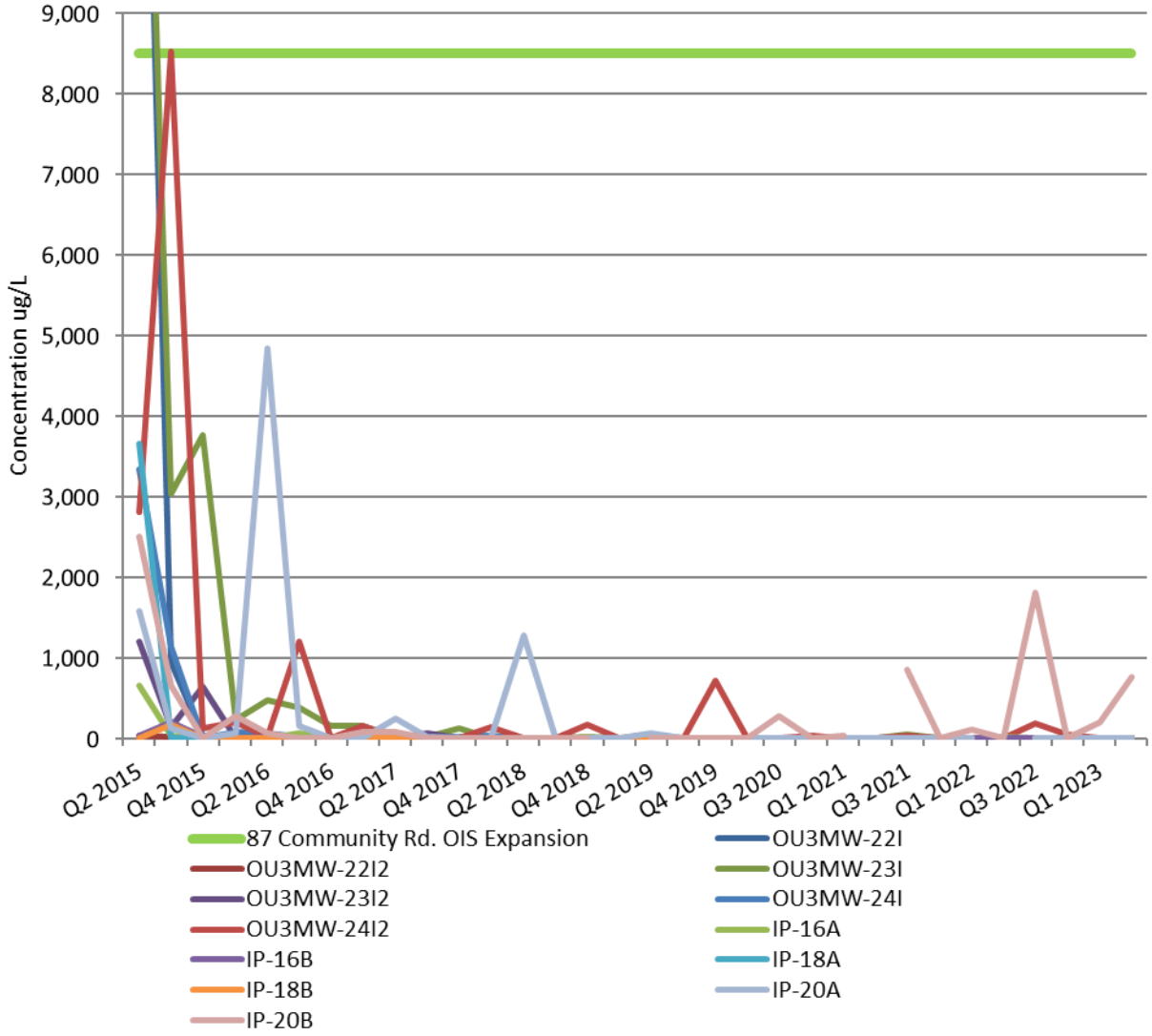
Consistent with historical trends, contaminant concentrations within the sheeting cells at the southern portion of the Brightwaters Yard varied widely, with highs generally near the upper end of historical concentration ranges. Monitoring well, injection well, and sheeting cell location details are provided on Fig. 17.

Total BTEX concentrations above 100 µg/L were detected in four wells (OU3MW-24I2/IP-19B, IP-20B, TMW-1I, and TMW-2I2 during this reporting period. Total BTEX concentrations in these wells ranged from 0.43 µg/L to 1,813 µg/L and generally trended downward during this reporting period. The maximum concentration was identified at IP-20B, located just south of the sheeting cell area and immediately upgradient of the 87 Community Road oxygen injection system. Similar to the previous reporting period, BTEX concentrations in well IP-20B spiked sharply above recent historical concentrations and have exhibited an increasing trend since Q3 2020, though are well below the greatest historical concentration of 2,511 µg/L detected in Q2 2015.

With the exception of well IP-20B total BTEX concentrations in the deeper sheeting cell areas wells (generally screened deeper than 24 feet below grade), where the more significant impacts were noted prior to September 2019 ORC-A injections, have generally reduced but have been highly variable. These remaining concentrations will be closely monitored and may indicate that additional remedial action may be warranted in these areas.

Concentrations of total PAHs in the sheeting cell areas are lower than corresponding total BTEX concentrations, generally well below 100 µg/L, and have followed similar decreasing trends. It should be noted that wells IP-20B and TMW-2I2 have continued to exhibit widely varying PAH concentrations, ranging from non-detect to a high of 185 µg/L (TMW-2I2) during this reporting period.

Figure 4e. Intermediate BTEX Concentrations - Within LIRR Sheeting Cells



4.3.2.3 Downgradient of the LIRR ROW

Since remedial activities were implemented, MGP-related impacts concentrations above 100 µg/L have been significantly reduced in this area and were only observed during one sampling event (Q1 2023) in one intermediate well (MW-64) during this reporting period. Monitoring well MW-64, is located immediately south of the LIRR ROW between the two legs of the 87 Community Road oxygen injection system and exhibited total BTEX concentrations ranging from 19 µg/L to 130 µg/L.

Notably, farther downgradient of the LIRR ROW and immediately downgradient of the 87 Community Road oxygen injection system, monitoring well clusters OU3MW-19 and

OU3MW-20 exhibited total BTEX ranging from non-detect to a sporadic high only 5.7 µg/L, detected at well OU3MW-20S in Q3 2022. In addition, total BTEX concentrations in all OU3MW-07 cluster wells located downgradient of Community Road oxygen injection system were non-detect during all sample rounds with one exception: typical of historical results, a one-time exceedance of total xylene (5.3 µg/L) was observed above its AWQS (5 µg/L) in well OU3MW-07I3 during Q4 2022. All other wells located downgradient of Community Road have been eliminated from the sampling program due to a lack of detections in accordance with the NYSDEC-approved reduction criteria.

Concentrations of total PAHs downgradient of the LIRR ROW area are generally non-detect or well below respective AWQS and have followed similar decreasing trends as corresponding BTEX concentrations. It should be noted that generally low-level PAH exceedances were only observed in well MW-64, with total PAH concentrations ranging from non-detect to a high of only 44 µg/L detected during Q2 2023 during this reporting period.

Average total BTEX and total PAHs concentrations in the shallow and intermediate zone downgradient of the LIRR ROW have been non-detect or at/near detection levels since Q1 2014, closely aligning with start-up of the 87 Community Road system.

4.4 Operable Unit 4

Given the reductions in plume size and MGP-related impacts concentrations resulting from the implementation of remedial activities at the OU-4 area (as summarized in Section 1), a total of four monitoring wells are currently routinely sampled at OU-4. Several monitoring well clusters are located on a private property (22 Oak Street) west of the OU-4 former cesspool area (WCMW-11, WCMW-26, and WCMW-29) are not generally accessible, and were not accessible during this reporting period. The MGP-impacted eastern portion of the 22 Oak Street property will be subject to an excavation IRM recently approved by NYSDEC and planned for 2024.

It should also be noted that well WCMW-05I was redeveloped during Q4 2022, when a small amount of NAPL-impacted silt was removed. The well is being monitored periodically to determine if additional NAPL may accumulate in the future. Measurable NAPL was not observed within this well during this reporting period; however, NAPL staining was noted on the measuring tape in Q4 2022.

4.4.1 Total BTEX and Total PAH Composite Plume

In comparison to the Q1 2009 OU-3 plume configuration, current (annual Q2 2023 groundwater sampling event) MGP-related impacts concentrations above 100 µg/L at OU-4 have been reduced and are limited to only one small area in the vicinity of the former cesspool excavation area, as further detailed below. However, as identified above, well clusters WCMW-11, WCMW-26, and WCMW-29 were not accessible during this reporting period.

The current (annual Q2 2023 groundwater sampling event) composite plume is smaller in size than the previous Q2 2022 plume depiction, due in-part to the inaccessibility of multiple well clusters during this reporting period.

4.4.2 OU-4 Groundwater Quality

As identified above and on Figures 11 through 16, total BTEX OU-4 has been reduced to non-detect concentrations in all well sampled during this reporting period. In addition, total PAH concentrations above 100 µg/L were only detected on one well (WCMW-05I, located in the vicinity of the 2011 cesspool excavation area) during this reporting period, and ranged in concentration from 74 µg/L to a high of 231 µg/L detected in Q2 2023. Historical total BTEX and total PAH concentrations are presented in Table 4-14 and Table 4-15, while total BTEX and total PAH concentrations for this reporting period are presented in Table 4-16.

MGP-related impacts concentrations have been significantly reduced since remedial activities were implemented at OU-4. Although only four wells were accessible during this reporting period, wells in this area currently only sporadically exhibit exceedances of the AWQS for BTEX and/or PAH compounds, with only total PAHs historically identified at concentrations slightly to moderately above 100 µg/L.

MGP-related impacts concentrations above the AWQS were not observed in former pond area monitoring well WCMW-14S during this reporting period.

4.5 Analysis of Sulfate Concentrations

At the request of the NYSDEC, National Grid has been monitoring sulfate concentrations in monitoring wells located upgradient and downgradient of former OU-1 and OU-2 ISCO IRM areas since 2007. Sulfate analysis was initially implemented to establish baseline sulfate concentrations in groundwater and to identify potential trends associated with remedial activities.

Based on the historical reductions in sulfate concentrations since sulfate sampling was initiated, a total of only 18 wells (three at OU-1 and 15 at OU-2) were sampled for sulfate during this reporting period. Although sulfate is still present in limited areas in the lower intermediate and deep zones at OU-1 and OU-2, only one sporadic exceedance of the AWQS for sulfate has been detected over the past 4-year period, including throughout this reporting period. As such, and per NYSDEC approval, sulfate monitoring will be discontinued following this reporting period.

5. Future Plans

As expected and consistent with historical MGP-related impacts concentration trends, given the multiple remedial activities completed at the Site since Q1 2009 (summarized in Section 1) and based on a comparison of current and historical contaminant trends (summarized in Section 4), overall impact concentrations at the Site have reduced significantly since Q1 2009. MGP-related impacts concentrations throughout the Site have either generally remained stable or have continued to decrease throughout this reporting period with limited and minor exception, as described in Section 4.

Based on the OM&M activities and analytical results discussed above, the following recommendations are presented below.

5.1 General Recommendations

- Based on the significant remedial progress achieved at the Site, it is recommended that the groundwater sampling rationale and system OM&M schedule continue to be evaluated on a quarterly basis to ensure that the remedial program continues to operate in an effective and efficient manner.
- Given the consistency observed relative to groundwater flow patterns throughout the Site since installation of the barrier wall and multiple remedial systems throughout the Site, it is recommended that the number of wells included in the annual groundwater level monitoring program be limited to a targeted sub-set of shallow and deep zone wells located throughout the various Site OUs. Targeting wells in this manner could increase overall program efficiency while ensuring that sufficient data is still collected to effectively determine if any changes in flow directions throughout the Site are apparent. If NYSDEC agrees with this approach, a letter outlining proposed changes to the annual groundwater level monitoring program can be submitted to NYSDEC for review and approval.
- Continue to monitor Site-related impacts and associated remedial system effectiveness via quarterly and annual monitoring of the well network, including areas upgradient and downgradient of the on-site subsurface barrier wall and multiple treatment systems operating throughout the various Site OUs, in accordance with the 2012 NYSDEC-approved groundwater sampling criteria.
- Continue to evaluate the need for additional remedial measures based on MGP-related impacts concentrations within and/or downgradient of each OU and associated remedial system.

- Continue well abandonment activities at targeted monitoring wells located throughout the Site, in accordance with the NYSDEC-approved work plan and NYSDEC's CP-43 monitoring well decommissioning policy document.
- Continue to complete minor well repair items, such as replacing broken well covers, etc., concurrent with site-wide groundwater sampling activities.

5.2 NAPL Gauging and Recovery

- Routine quarterly NAPL gauging should continue to be completed at targeted Site wells, as approved by the NYSDEC.
- Continue monthly manual operation of the BBRW-02 DNAPL recovery system, to maximize DNAPL recovery while minimizing the generation of water.
- Given that NAPL thicknesses were noted to rebound by more than 1-foot at several wells (BBRW-06, BBRW-08, OZMW-21D, TG-32I2, and TG-32D) during the additional NAPL recovery assessment effort described in Section 2.1.3, it is recommended that these wells be included in the routine monthly NAPL monitoring and recovery (NAPL at thicknesses of 1-foot or more) program for a period of 6 months, at which point, GEI will reassess future monitoring and recovery needs. In order to accelerate NAPL recovery at the Site, recovery of DNAPL at thicknesses of greater than one foot from these wells already began in early Q4 2022.
- While already on-site for routine NAPL monitoring, continue DNAPL monitoring at well WCMW-05I for at least 6 months to determine if additional DNAPL accumulates within this well. Following 6 months, GEI will reassess future monitoring and recovery needs at well WCMW-05I.

5.3 Treatment Systems

5.3.1 Ozone Groundwater Treatment System

- Continue routine operation and inspection of the ozone injection system, with routine maintenance completed per manufacturers' recommendations, to promote the continued biodegradation of contaminants in groundwater.
- Following a failure of the ozone injection system control panels in June 2023 during this reporting period, and based on the age of the overall system, the equipment manufacturer recommended replacement of both chillers in addition to both control panels. Parts were ordered in Q3 2023, with installation likely to occur in Q4 2023
- Annual monitoring for ozone should continue at the SVE manifold to ensure that excess ozone is not present within the vadose zone.

5.3.2 Oxygen Injection Systems

- Continue routine operation and bi-weekly/monthly system inspection of the oxygen injection systems, with maintenance completed per manufacturers' recommendations.
- Continue to evaluate groundwater data in the vicinity of the remaining active injection systems to optimize or shut down systems, as warranted and with NYSDEC-approval.
- Closely monitor MGP-related impacts concentrations in the intermediate and deep zones immediately downgradient of the barrier wall (well clusters OZMW-17 and OZMW-18) during future sampling events to assess whether increasing impact trends continue in these areas.
- Evaluate whether to abandon remaining injection wells in the southern line of the 60/66 North Clinton Avenue oxygen injection system, in accordance with the NYSDEC-approved work plan, as this treatment line was replaced.

5.4 Operable Unit-Specific Recommendations

5.4.1 Operable Unit 2

- Continue post-shutdown GM of the 9 North Clinton Avenue oxygen injection system following its August 13, 2021, shut down, as approved by the NYSDEC. As part of this effort, groundwater samples for VOC and SVOC analysis were collected concurrently with implementation of the toluene investigation described below. A letter requesting approval to remove the system was submitted to the NYSDEC on September 11, 2023.
- As toluene was sporadically detected above the AWQS at cluster OU2MW-02 and was also non-detect upgradient of this area, a supplemental toluene investigation was completed in this and targeted upgradient and downgradient areas during this reporting period and results of such which was submitted under sperate cover to the NYSDEC on September 12, 2023. Toluene concentrations will also continue to be closely monitored at this location during future sampling events.

5.4.2 Operable Unit 3

- Elevated total BTEX concentrations persist at shallow wells OU3MW-08S and vary in concentration but remain elevated at a number of intermediate wells (OU3MW-24I2/IP-19B, IP-20B, TMW-1I, and TMW-2I2). Although these wells are located upgradient of the 87 Community Road oxygen injection system, BTEX concentrations in this area will be closely monitored during future sampling events and additional remedial options will be considered, as warranted.

- Consistent with recent historical analytical results, BTEX concentrations south or downgradient of the of the LIRR ROW and immediately downgradient of the 87 Community Road oxygen injection system ranged from non-detect to a sporadic high only 5.7 µg/L. Total BTEX concentrations south or downgradient of the LIRR ROW at 87 Community Road will be closely monitored during future sample events.

5.4.3 Operable Unit 4

- An IRM excavation targeting remaining MGP-related impacts is being planned to be implemented at the 22 Oak Street property concurrently with future property redevelopment activities. An Excavation IRM Work Plan for the excavation was approved by NYSDEC in September 2023. Following further coordination with the property owner and based on NYSDEC comments, a PDI effort was planned and is being completed to refine the initially proposed excavation limits. Phase I of the PDI fieldwork was completed in 2022, and Phase II is planned to be completed following demolition of the building by the property owner. Following additional coordination with the property owner and NYSDEC, it is currently anticipated that the IRM excavation will be implemented in the 2024.
- Given that the WCMW-04 well cluster, located on the LIRR ROW within the former cesspool area, has historically exhibited elevated MGP-related impacts concentrations, primarily PAHs in well WCMW-04I, further attempts to coordinate access with LIRR should be made to more consistently monitor concentrations in this area.

6. References

Dvirka and Bartilucci Consulting Engineers, 2002. *Bay Shore/Brightwaters Former Manufactured Gas Plant Site, Remedial Investigation Report*, April 2002.

Dvikra and Bartilucci Consulting Engineers, 2003. *Bay Shore/Brightwaters Former Manufactured Gas Plant Site, Final Remedial Investigation Report,* January 2003.

Foster Wheeler Environmental Corporation, 2002. *Interim Remedial Measure (IRM) Investigation Report, Brightwaters Yard Groundwater Plume,* Bay Shore/Brightwaters Former MGP Site, May 2000.

Foster Wheeler Environmental Corporation, 2002. *Final Summary Report for Crum's Brook Restoration, Area C Interim Remedial Measure in Town of Islip, New York,* November 2002.

GEI Consultants, Inc., 2004a. *Final Remedial Action Plan,* Bay Shore Former MGP-Site, Operable Unit No. 1, Bay Shore, New York, August 2004.

GEI Consultants, Inc., 2004b. *Interim Remedial Measure Work Plan,* Bay Shore Former Manufactured Gas Plant Site, Operable Unit No. 4 Former Cesspool Area, Bay Shore, New York, April 20, 2004.

GEI Consultants, Inc., 2005. *Draft ISCO Piolet Test Summary Report,* Bay Shore Former MGP Site, Bay Shore, New York, AOC Index No. D1-0001-98-11, April 18, 2005.

GEI Consultants, Inc., 2006. *IRM Summary Report – Oxygen Injection System Installation,* Bay Shore Former MGP Site, Operable Unit No. 2, Bay Shore, New York, AOC Index No. D1-0001-98-11, October 19, 2006

GEI Consultants, Inc., 2007a. *Surfactant Enhanced In-Situ Chemical Oxidation Pilot Test Report, Operable Unit No. 1,* Bay Shore, New York, AOC Index No. D1-0001-98-11, October 2007.

GEI Consultants, Inc., 2007b. *Hydrologic Study,* Bay Shore/Brightwaters Former MGP Site, Bay Shore, New York, December 31, 2007.

GEI Consultants, Inc., 2009a. *Remedial Design Document,* Bay Shore/Brightwaters Former MGP Site, Operable Unit No. 2, Bay Shore, New York, January 12, 2009.

GEI Consultants, Inc., 2009b. *Phase 1A Remedial Design Report 100% Submission,* Bay Shore/Brightwaters Former MGP, Bay Shore, New York, March 11, 2009.

GEI Consultants, Inc., 2009c. *LIRR Excavation/Temporary Track Relocation Interim Remedial Measure Work Plan and Design,* Bay Shore/Brightwaters Former MGP Site, Operable Unit No. 3, Bay Shore, New York, July 17, 2009.

GEI Consultants, Inc., 2010a. *Phase IV Remedial Design Report 100% Submission Former King Bear/Summer's Lumber Properties*, Bay Shore/Brightwaters Former MGP Site, Operable Unit No. 1, Bay Shore, New York, February 18, 2010.

GEI Consultants, Inc., 2010b. *Final Drainage Network Rehabilitation Interim Remedial Measure Completion Report,* Bay Shore/Brightwaters Former MGP Site, Operable Unit No. 3, Bay Shore, New York, August 11, 2010.

GEI Consultants, Inc., 2010c. *Draft Cesspool Area Excavation Interim Remedial Measure Construction Completion Report*, Bay Shore Former MGP Site, Operable Unit No. 4, Bay Shore, New York, October 1, 2010.

GEI Consultants, Inc., 2010d. *OU-2 Oxygen Injection Systems Completion Report*, Bay Shore/Brightwaters Former MGP Site, Operable Unit No. 2, Bay Shore, New York, December 2010.

GEI Consultants, Inc., 2010e. *Oxygen Injection System and Monitoring Well Abandonment Summary Report, Operable Unit No. 3 (OU-3)*, Bay Shore/Brightwaters Former MGP Site, Bay Shore, New York, December 8, 2010.

GEI Consultants, Inc., 2018. *Soil Vapor Extraction System Shutdown,* Bay Shore/Brightwaters Former MGP Site (OU-1), Bay Shore, New York, Site No. 152172, June 8, 2018.

Gilbert, R.O., 1987. *Statistical Methods for Environmental Pollution Monitoring.* Van Nostrand Reinhold, New York.

KeySpan, 2004. *Work Plan for Supplemental IRM Activities for the Bay Shore Former MGP Site, Operable Unit No. 3 – Brightwaters Yard Groundwater Plume (IRM-OU3A)*, Bay Shore, New York, January 2004.

KeySpan, 2006. *DNAPL Recovery Pump Test Summary, Bay Shore Former MGP Site – Area South of LIRR, Bay Shore, New York*, September 26, 2006.

KeySpan, 2007. *Temporary Oxygen Injection System, Bay Shore/Brightwaters Former MGP Site, Operable Unit No. 1, Bay Shore, New York*, July 25, 2007.

National Grid, 2010. *Oxygen Injection System and Monitoring Well Abandonment Summary Report, Bay Shore/Brightwaters Former Manufactured Gas Plant Site, Operable Unit No. 3, Bay Shore, New York*, December 8, 2010.

National Grid, 2011. *Community Road Oxygen Injection Line Reconfiguration, Operable Unit No. 3 (OU-3), Bay Shore/Brightwaters Former Manufactured Gas Plant Site,* November 8, 2011.

National Grid, 2013, *ORC-A Interim Remedial Measure Completion and Supplemental ORC-A IRM Scope of Work. Lanier Lane, Operable Unit No. 3, Bay Shore/Brightwaters Former MGP Site*, July 30, 2013.

National Grid, 2020. *ORC-A Application – Summary Report. OU-3 Bay Shore/Brightwaters Former MGP Site, Bay Shore, New York, Site No. 1-52-172, Order on Consent Index No. D1-0001-98-11,* June 15, 2020.

NYSDEC, 2008. *Voluntary Cleanup Program Decision Document, KeySpan/National Grid – Former Bay Shore/Brightwaters MGP Site, Operable Unit 2: MGP Off-Site Plume, Bay Shore (V), Suffolk County, New York, Site No. 1-52-172*, July 2008.

Paulus, Sokolowski and Sartor Engineering, PC, 2004. *Draft Supplemental Interim Remedial Measure (IRM) Completion Report for the Bay Shore/Brightwaters Former Manufactured Gas Plant (MGP) Site – Operable Unit No. 3, Brightwaters Yard*, December 2004.

Paulus, Sokolowski and Sartor Engineering, PC, 2005. *Supplemental Interim Remedial Measure (IRM) Completion Report*, Bay Shore/Brightwaters Former Manufactured Gas Plant (MGP) Site-Operable Unit No. 3, Brightwaters Yard, August 2005.

Paulus, Sokolowski and Sartor Engineering, PC, 2009. *Final Completion Report*, Bay Shore Former Manufactured Gas Plant (MGP) Site. Phase I and Phase II Remedial Activities, Operable Unit No. 1, Bay Shore, New York, October 2009.

United States Environmental Protection Agency, 1997. *Expedited Site Assessment Tools for Underground Storage Tank Sites – A Guide for Regulators*, March 1997.

VeruTEK Technologies, Inc., 2008. *Surfactant Enhanced In-Situ Chemical Oxidation Work Plan, Bay Shore Former MGP Site, Operable Unit No. 4 Cesspool,* February 2008.

NYSDEC, 2009. *CP-43: Groundwater Monitoring Well Decommissioning Policy*, November 2009.

Tables

Tables also available at www.bayshoreworksmgp.com

Groundwater Flow:

Groundwater Quality:

Table 3-1. OU-1 Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2022/2023 Annual GM and OM Report
Operable Unit No. 1
July 7, 2023

Well ID	Well Elevation[1] (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
BBMW-05D	23.97	10.96	13.01	
BBMW-13D	23.90	6.72	17.18	Stickup to flushmount/needs resurvey
BBMW-20I	18.63	5.61	13.02	
BBMW-22S	20.87	7.80	13.07	
BBMW-22I	17.58	7.78	9.80	
BBMW-22D	20.77	7.40	13.37	
BBMW-34S	25.03	11.50	13.53	
BBMW-34I	25.24	11.73	13.51	
BBMW-34I2	25.05	11.59	13.46	
BBMW-34D	25.21	11.81	13.40	
BBMW-35S	24.08	NM	NA	Tubing stuck in well
BBMW-35I	24.17	11.48	12.69	
BBMW-35I2	24.10	11.44	12.66	
BBMW-35D	24.07	11.40	12.67	
BBMW-38S	26.14	12.25	13.89	
BBMW-38I	26.09	12.16	13.93	
BBMW-38I2	26.16	12.32	13.84	
BBMW-38D	26.08	12.14	13.94	
BBMW-39S	23.99	10.66	13.33	
BBMW-39I	24.03	10.66	13.37	
BBMW-39I2	23.98	10.70	13.28	
BBMW-39D	23.98	10.67	13.31	
BBMW-40S	24.76	10.91	13.85	
BBMW-40I	24.77	10.94	13.83	
BBMW-40I2	24.77	10.99	13.78	
BBMW-40D	24.76	11.00	13.76	
BBMW-41S	24.28	10.67	13.61	
BBMW-41I	24.37	10.70	13.67	
BBMW-41I2	24.47	10.85	13.62	
BBMW-41D	24.40	10.81	13.59	
MW-03S	22.59	6.81	15.78	
MW-03D	22.48	6.79	15.69	
MW-05S	24.05	10.73	13.32	
MW-05D	24.37	10.74	13.63	
OZMW-16S	19.88	7.31	12.57	
OZMW-16I	19.90	7.29	12.61	
OZMW-16I2	19.72	7.17	12.55	
OZMW-16D	20.10	7.51	12.59	
OZMW-17S	19.83	7.28	12.55	
OZMW-17I	19.91	7.30	12.61	
OZMW-17I2	19.86	7.32	12.54	
OZMW-17D	19.88	7.33	12.55	
OZMW-18S	19.56	6.51	13.05	
OZMW-18I	19.98	7.07	12.91	
OZMW-18I2	19.97	6.98	12.99	
OZMW-18D	19.53	7.00	12.53	
OZMW-19S	26.11	12.80	13.31	
OZMW-19I	26.08	13.04	13.04	
OZMW-19I2	26.08	13.10	12.98	
OZMW-19D	26.08	13.02	13.06	
OZMW-21S	24.38	11.39	12.99	
OZMW-21I	24.38	10.95	13.43	
OZMW-21I2	24.36	11.02	13.34	
OZMW-21D	24.33	10.87	13.46	
OZMW-22RS	22.69	9.83	12.86	
OZMW-22RI	22.72	9.90	12.82	
OZMW-23S	24.33	11.51	12.82	
OZMW-23I	24.32	11.48	12.84	
OZMW-23I2	24.29	11.52	12.77	
OZMW-23D	24.28	11.45	12.83	
OZMW-24S	20.39	10.25	10.14	
OZMW-24I	23.12	10.34	12.78	
OZMW-24I2	23.12	10.34	12.78	
OZMW-24D	23.10	10.27	12.83	
OZMW-25S	24.67	11.48	13.19	
OZMW-25I	24.55	11.34	13.21	
OZMW-25I2	24.61	11.33	13.28	
OZMW-25D	24.82	11.60	13.22	
OZMW-26S	24.59	11.48	13.11	
OZMW-26I	24.60	11.44	13.16	
OZMW-26I2	24.60	11.48	13.12	
OZMW-26D	24.60	11.51	13.09	

Notes:
1 - Well Elevations obtained from 2007 survey or later and reference NAVD88 datum
MSL - Mean Sea Level
NM - Not Measured
NA - Not Applicable

Table 3-2. OU-1 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 1

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level													
		Oct-92	Nov-99	Mar-02	Jun-02	Aug-02	Nov-02	Mar-03	Jul-03	Sep-03	Jan-04	Apr-04	Aug-04	Oct-04	Feb-05
BBMW-05D	64.0 - 74.0	NC	13.67	13.42	13.51	12.15	14.25	14.72	14.55	13.70	14.15	15.83	13.54	13.99	14.66
BBMW-13D	62.0 -72.0	NC	14.05	13.75	14.55	12.48	14.64	15.12	15.15	14.09	14.52	16.29	13.91	14.37	15.04
BBMW-20I	35.0 - 45.0	NC	NC	NC	12.52	11.22	13.14	13.64	13.48	12.64	13.04	14.51	12.50	12.92	12.68
BBMW-22S	5.0 - 10.0	NC	NC	13.26	13.34	12.01	13.99	14.52	14.35	13.51	13.92	15.54	13.34	13.79	14.44
BBMW-22I	30.0 - 40.0	NC	NC	13.26	13.34	12.02	14.01	14.52	14.36	13.42	13.94	15.52	13.33	13.78	14.43
BBMW-22D	64.0 - 74.0	NC	NC	13.26	13.34	12.01	14.01	14.55	14.37	13.61	13.98	15.52	13.37	13.83	14.42
BBMW-34S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-34I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-34I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-34D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-35S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-35I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-35I2	40.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-35D	63.0 - 68.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40D	70.0 - 75.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41S	6.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-03S	3.0 -13.0	13.81	14.02	13.72	14.51	12.45	14.60	15.10	15.11	14.07	14.49	16.23	13.87	14.33	15.01
MW-03D	35.0 - 45.0	13.77	14.01	13.72	14.48	12.44	14.59	15.09	15.08	14.06	14.49	16.22	13.87	14.33	15.00
MW-05S	4.0 - 14.0	17.61	13.75	13.45	13.50	12.16	14.19	14.72	14.55	13.69	14.15	15.83	13.54	13.99	14.66
MW-05D	35.5 - 45.5	18.51	14.71	14.41	14.51	13.16	15.21	15.73	15.52	14.70	15.15	15.81	13.55	14.00	14.66

Table 3-2. OU-1 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 1

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level													
		Oct-92	Nov-99	Mar-02	Jun-02	Aug-02	Nov-02	Mar-03	Jul-03	Sep-03	Jan-04	Apr-04	Aug-04	Oct-04	Feb-05
OZMW-16S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-16I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-16I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-16D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-17S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-17I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-17I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-17D	53.0 - 63.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-18S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-18I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-18I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-18D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19D	53.0 - 63.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-21S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-21I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-21I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-21D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22RS	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22RI	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-23S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-23I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-23I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-23D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-24S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-24I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-24I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-24D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-26S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-26I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-26I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-26D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-2. OU-1 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 1

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level													
		May-05	Aug-05	Nov-05	Feb-06	May-06	Jul/Aug-06	Nov-06	Jan-07	May-07	Jul/Aug-07	Oct/Nov-07	Jan-08	Apr-08	Aug-08
BBMW-05D	64.0 - 74.0	14.55	13.32	15.08	14.95	14.46	14.19	14.63	14.51	14.91	14.23	13.41	14.27	15.01	14.01
BBMW-13D	62.0 -72.0	14.86	13.71	15.45	15.33	14.83	14.54	14.99	14.93	15.32	14.55	13.66	14.63	15.25	14.09
BBMW-20I	35.0 - 45.0	13.46	12.63	14.34	14.20	13.73	13.42	13.90	13.79	NC	NC	NC	13.91	NC	NC
BBMW-22S	5.0 - 10.0	14.34	13.13	14.93	14.75	14.26	13.97	14.43	14.34	14.73	14.08	13.26	13.86	14.63	13.80
BBMW-22I	30.0 - 40.0	14.33	13.12	14.88	14.74	14.26	13.97	14.43	14.34	14.72	14.08	13.27	14.11	14.82	13.80
BBMW-22D	64.0 - 74.0	14.36	13.16	14.96	14.76	14.27	13.98	14.49	14.41	14.46	13.70	12.89	14.10	14.82	13.68
BBMW-34S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-34I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-34I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-34D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-35S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-35I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-35I2	40.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-35D	63.0 - 68.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-38D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-39D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-40D	70.0 - 75.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41S	6.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-41D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-03S	3.0 -13.0	14.88	13.64	15.42	15.30	14.80	14.51	14.98	14.88	15.29	14.52	13.64	14.60	15.21	14.05
MW-03D	35.0 - 45.0	14.89	13.65	15.41	15.27	14.80	14.50	14.94	14.89	15.28	14.51	13.62	14.60	15.21	14.05
MW-05S	4.0 - 14.0	14.54	13.32	14.06	14.96	14.46	14.17	14.63	14.53	14.93	14.23	13.40	14.24	15.01	13.99
MW-05D	35.5 - 45.5	14.55	13.32	15.08	14.95	14.45	14.18	14.65	14.56	14.95	14.24	13.42	14.26	14.98	14.00

Table 3-2. OU-1 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 1

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level													
		May-05	Aug-05	Nov-05	Feb-06	May-06	Jul/Aug-06	Nov-06	Jan-07	May-07	Jul/Aug-07	Oct/Nov-07	Jan-08	Apr-08	Aug-08
OZMW-16S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.06
OZMW-16I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.07
OZMW-16I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.11
OZMW-16D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.05
OZMW-17S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.10
OZMW-17I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.07
OZMW-17I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.05
OZMW-17D	53.0 - 63.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.02
OZMW-18S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	12.72
OZMW-18I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.38
OZMW-18I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.49
OZMW-18D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	12.98
OZMW-19S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-19D	53.0 - 63.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-21S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-21I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-21I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-21D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22RS	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-22RI	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-23S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-23I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-23I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-23D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-24S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-24I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-24I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-24D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-25D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-26S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-26I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-26I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OZMW-26D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-2. OU-1 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 1

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level													
		Nov-08	Jan-09	May-09	Jul-09	Oct-09	Jan-10	Apr-10	Jul-10	Oct-10	Jan-11	Apr-11	Jul-11	Oct-11	Jan-12
BBMW-05D	64.0 - 74.0	14.54	14.60	14.91	14.82	13.69	14.70	16.40	13.63	13.27	13.95	13.97	13.85	14.43	14.11
BBMW-13D	62.0 -72.0	14.76	14.86	15.12	15.01	14.14	15.24	16.52	14.17	13.73	14.46	14.46	14.37	14.20	14.67
BBMW-20I	35.0 - 45.0	14.21	NC	NC	NC	NC	NC	14.42	11.72	13.17	13.93	13.98	11.21	11.23	14.07
BBMW-22S	5.0 - 10.0	14.41	14.46	14.72	14.68	11.07	14.78	16.50	13.75	13.37	14.04	14.37	13.99	14.17	14.23
BBMW-22I	30.0 - 40.0	14.40	14.45	14.75	14.69	7.82	11.46	13.17	10.42	10.04	10.73	11.06	10.67	11.18	11.32
BBMW-22D	64.0 - 74.0	14.31	14.42	14.75	14.66	10.92	14.78	16.43	13.71	13.18	13.01	12.97	13.80	14.35	14.46
BBMW-34S	5.0 - 15.0	NC	NC	NC	NC	14.27	15.33	16.65	14.21	13.77	14.53	14.85	14.46	14.33	14.69
BBMW-34I	25.0 - 30.0	NC	NC	NC	NC	14.17	15.22	16.79	14.13	13.75	14.44	14.76	14.37	14.99	14.93
BBMW-34I2	40.0 - 45.0	NC	NC	NC	NC	14.16	15.22	16.61	14.15	13.51	14.44	14.85	14.36	14.35	14.61
BBMW-34D	65.0 - 70.0	NC	NC	NC	NC	14.16	15.21	16.79	14.15	13.70	14.45	14.74	14.37	14.32	14.58
BBMW-35S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.98	13.54	13.79	13.80
BBMW-35I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.97	13.60	13.90	13.82
BBMW-35I2	40.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.86	13.56	13.79	13.82
BBMW-35D	63.0 - 68.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.80	13.56	13.81	13.78
BBMW-38S	5.0 - 15.0	NC	NC	NC	NC	14.70	15.83	17.32	14.70	14.15	14.98	15.68	14.94	18.72	15.19
BBMW-38I	25.0 - 30.0	NC	NC	NC	NC	14.63	15.69	17.22	14.64	14.13	14.87	15.16	14.85	18.70	15.17
BBMW-38I2	40.0 - 45.0	NC	NC	NC	NC	14.63	15.68	17.25	14.63	14.14	14.87	15.19	14.84	18.60	15.09
BBMW-38D	65.0 - 70.0	NC	NC	NC	NC	14.63	15.71	17.22	14.66	14.13	14.87	15.18	14.83	18.78	15.08
BBMW-39S	5.0 - 15.0	NC	NC	NC	NC	14.03	15.04	16.58	14.00	13.57	14.27	14.60	14.21	14.49	14.40
BBMW-39I	25.0 - 30.0	NC	NC	NC	NC	14.03	15.03	16.58	14.00	13.57	14.27	14.61	14.21	14.44	14.41
BBMW-39I2	45.0 - 50.0	NC	NC	NC	NC	14.02	15.01	16.54	13.98	13.55	14.24	14.58	14.17	14.51	14.37
BBMW-39D	65.0 - 70.0	NC	NC	NC	NC	14.02	15.03	16.55	14.00	13.57	14.26	14.58	14.71	14.42	14.40
BBMW-40S	5.0 - 15.0	NC	NC	NC	NC	14.54	15.66	17.15	14.53	14.06	14.74	15.25	14.72	14.97	14.91
BBMW-40I	25.0 - 30.0	NC	NC	NC	NC	14.55	15.58	17.08	14.55	14.05	14.77	15.14	14.74	15.06	14.96
BBMW-40I2	45.0 - 50.0	NC	NC	NC	NC	14.52	15.54	17.07	14.52	14.02	14.73	15.09	14.71	14.96	14.96
BBMW-40D	70.0 - 75.0	NC	NC	NC	NC	14.55	15.57	17.08	14.55	14.05	14.75	15.12	14.73	15.04	14.91
BBMW-41S	6.0 - 16.0	NC	NC	NC	NC	14.29	15.36	16.68	14.29	13.81	14.57	14.76	14.51	14.68	14.74
BBMW-41I	25.0 - 30.0	NC	NC	NC	NC	14.32	15.38	16.82	14.32	13.84	14.57	14.95	14.55	14.84	14.77
BBMW-41I2	45.0 - 50.0	NC	NC	NC	NC	14.28	15.36	16.93	14.27	13.83	14.58	15.10	14.50	14.97	14.75
BBMW-41D	65.0 - 70.0	NC	NC	NC	NC	14.28	15.35	16.89	14.27	13.82	14.55	14.85	14.49	14.81	14.73
MW-03S	3.0 -13.0	14.72	14.83	15.10	15.00	14.11	15.21	16.48	14.14	13.69	14.43	14.38	14.34	13.59	14.62
MW-03D	35.0 - 45.0	14.72	14.81	15.10	14.98	14.11	15.21	16.46	14.13	13.67	14.43	14.30	14.34	13.33	14.64
MW-05S	4.0 - 14.0	9.51	14.58	14.92	14.82	13.96	14.98	16.74	13.89	13.53	14.25	14.25	14.16	14.44	14.41
MW-05D	35.5 - 45.5	9.82	14.60	14.91	14.82	14.29	15.29	17.02	14.26	13.88	14.60	14.54	14.49	14.75	14.51

Table 3-2. OU-1 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 1

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level													
		Nov-08	Jan-09	May-09	Jul-09	Oct-09	Jan-10	Apr-10	Jul-10	Oct-10	Jan-11	Apr-11	Jul-11	Oct-11	Jan-12
OZMW-16S	5.0 - 15.0	13.76	13.75	14.05	13.99	NC	NC	NC	NC	12.86	13.49	13.48	13.43	13.74	13.63
OZMW-16I	20.0 - 30.0	13.76	13.74	14.06	14.01	NC	NC	NC	NC	12.91	13.50	13.48	13.46	13.80	13.61
OZMW-16I2	35.0 - 45.0	13.77	13.75	14.05	14.02	NC	NC	NC	NC	12.93	13.48	13.49	13.43	13.65	13.61
OZMW-16D	55.0 - 65.0	13.81	13.77	14.05	14.02	NC	NC	NC	NC	12.84	13.49	13.53	13.57	14.07	13.64
OZMW-17S	5.0 - 15.0	13.84	13.67	14.10	14.03	13.19	14.23	15.92	13.19	12.86	13.53	13.51	13.23	13.29	13.67
OZMW-17I	20.0 - 30.0	13.83	13.75	14.11	14.02	13.18	14.23	15.94	13.19	12.85	13.51	13.51	12.80	13.71	13.64
OZMW-17I2	35.0 - 45.0	13.79	13.73	14.05	13.99	13.14	14.2	15.91	13.13	12.80	13.46	13.45	12.82	13.17	13.60
OZMW-17D	53.0 - 63.0	13.80	13.74	14.09	13.99	13.16	14.21	15.86	13.12	12.85	13.49	13.50	12.91	13.08	13.62
OZMW-18S	5.0 - 15.0	13.76	13.66	14.01	13.95	NC	NC	NC	NC	12.74	13.46	13.44	13.26	13.50	13.57
OZMW-18I	20.0 - 30.0	14.14	14.04	14.36	14.30	NC	NC	NC	NC	13.13	13.78	13.80	13.72	13.87	14.03
OZMW-18I2	35.0 - 45.0	14.23	14.14	14.44	14.38	NC	NC	NC	NC	13.23	13.88	13.90	13.70	13.83	14.07
OZMW-18D	55.0 - 65.0	13.76	13.65	13.98	13.92	NC	NC	NC	NC	12.78	13.41	13.42	13.31	13.34	13.57
OZMW-19S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	16.52	13.99	13.64	14.37	14.65	14.24	14.50	14.44
OZMW-19I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	16.37	13.66	13.31	14.02	14.31	13.94	13.78	14.14
OZMW-19I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	16.31	13.62	13.26	13.97	14.33	13.88	14.08	14.09
OZMW-19D	53.0 - 63.0	NC	NC	NC	NC	NC	NC	16.38	13.67	13.34	14.03	14.32	13.94	14.18	14.15
OZMW-21S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	13.71	14.80	15.08	14.34	14.53	14.57
OZMW-21I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	13.67	14.80	15.11	14.29	14.45	14.43
OZMW-21I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	13.60	14.37	15.13	14.24	14.45	14.56
OZMW-21D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	13.69	14.30	15.04	14.31	14.56	14.47
OZMW-22RS	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	12.97	14.22	13.49	13.61	13.97	13.93
OZMW-22RI	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	12.94	13.68	13.56	13.56	13.82	13.85
OZMW-23S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	13.05	13.78	13.79	13.63	13.86	13.87
OZMW-23I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	13.03	13.82	13.83	13.66	13.38	13.88
OZMW-23I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	12.91	13.76	13.77	13.61	13.89	13.80
OZMW-23D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	13.03	13.80	13.78	13.67	13.76	13.86
OZMW-24S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	10.36	11.04	11.01	10.95	11.07	11.17
OZMW-24I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	13.00	13.71	13.72	13.60	13.76	13.83
OZMW-24I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	13.02	13.70	13.67	13.61	13.71	13.82
OZMW-24D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	13.04	13.72	13.75	13.71	13.80	13.88
OZMW-25S	5.0 - 15.0	NC	NC	NC	NC	13.86	14.87	16.66	13.82	13.45	14.15	14.41	14.06	14.31	14.33
OZMW-25I	20.0 - 30.0	NC	NC	NC	NC	13.87	14.85	16.63	13.81	13.42	14.15	14.27	14.05	14.15	14.29
OZMW-25I2	35.0 - 45.0	NC	NC	NC	NC	13.88	14.89	16.64	13.81	13.46	14.16	14.42	14.07	14.34	14.29
OZMW-25D	55.0 - 65.0	NC	NC	NC	NC	13.88	14.89	16.63	13.85	13.45	14.17	14.56	14.06	14.40	14.30
OZMW-26S	5.0 - 15.0	NC	NC	NC	NC	13.86	14.87	16.66	13.82	13.29	14.05	14.32	13.90	14.18	14.18
OZMW-26I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	13.34	14.09	14.35	13.95	14.22	14.20
OZMW-26I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	13.32	14.09	14.37	13.95	14.22	14.17
OZMW-26D	55.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	13.33	14.09	14.27	13.92	14.17	14.18

Table 3-2. OU-1 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 1

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level														
		Apr-12	Apr-13	Apr-14	Apr-15	Jun-16	Apr-17	Jun-18	Apr-19	Oct-20	Jun-21	Jun-22	Jul-23	Minimum	Average	Maximum
BBMW-05D	64.0 - 74.0	13.75	14.16	14.85	14.53	13.17	14.82	13.84	14.39	13.22	13.65	13.68	13.01	12.15	14.18	16.40
BBMW-13D	62.0 -72.0	14.27	14.70	15.21	15.07	13.64	15.46	14.51	18.64	17.35	18.89	NC	17.18	12.48	14.90	18.89
BBMW-20I	35.0 - 45.0	13.71	14.11	14.92	14.47	12.66	14.61	13.74	14.33	13.08	13.60	NC	13.02	11.21	13.40	14.92
BBMW-22S	5.0 - 10.0	13.88	14.23	12.07	14.64	12.54	14.89	13.89	14.47	13.32	13.77	13.82	13.07	11.07	13.99	16.50
BBMW-22I	30.0 - 40.0	10.56	10.93	8.75	11.30	9.92	11.53	10.59	11.15	10.03	10.40	10.47	9.80	7.82	12.62	15.52
BBMW-22D	64.0 - 74.0	13.72	14.09	12.02	14.63	12.20	14.87	14.07	14.63	13.77	13.83	13.89	13.37	10.92	13.95	16.43
BBMW-34S	5.0 - 15.0	14.28	14.35	15.62	15.08	13.72	15.49	14.96	17.98	13.81	14.21	14.25	13.53	13.53	14.74	17.98
BBMW-34I	25.0 - 30.0	14.51	14.53	15.77	14.99	13.63	15.37	14.33	14.88	13.73	14.12	14.12	13.51	13.51	14.59	16.79
BBMW-34I2	40.0 - 45.0	14.27	14.30	15.22	14.98	13.48	15.32	14.28	14.85	13.67	14.05	14.08	13.46	13.46	14.46	16.61
BBMW-34D	65.0 - 70.0	14.25	14.60	15.36	14.98	13.81	15.35	14.28	14.86	13.72	14.08	14.13	13.40	13.40	14.51	16.79
BBMW-35S	5.0 - 15.0	13.48	13.81	14.57	14.09	12.77	12.31	13.49	13.97	12.98	13.28	13.29	NA	12.31	13.54	14.57
BBMW-35I	25.0 - 30.0	13.54	13.85	14.52	14.15	12.85	14.15	13.48	14.01	12.97	13.33	13.38	12.69	12.69	13.64	14.52
BBMW-35I2	40.0 - 50.0	13.49	13.81	14.45	14.13	12.83	14.17	13.48	14.00	12.99	13.32	13.32	12.66	12.66	13.61	14.45
BBMW-35D	63.0 - 68.0	13.52	13.82	14.36	14.12	12.80	14.04	13.46	13.98	12.96	13.34	13.34	12.67	12.67	13.59	14.36
BBMW-38S	5.0 - 15.0	14.75	15.18	15.90	15.46	14.05	17.21	15.72	15.31	14.23	14.57	14.60	13.89	13.89	15.32	18.72
BBMW-38I	25.0 - 30.0	14.75	15.10	15.82	15.45	14.07	15.72	14.78	15.36	14.18	14.60	14.60	13.93	13.93	15.16	18.70
BBMW-38I2	40.0 - 45.0	14.65	15.14	15.85	15.41	14.13	15.68	14.75	15.30	14.11	14.56	14.56	13.84	13.84	15.13	18.60
BBMW-38D	65.0 - 70.0	14.65	15.08	15.79	15.46	13.97	15.74	14.74	15.36	14.18	14.59	14.63	13.94	13.94	15.15	18.78
BBMW-39S	5.0 - 15.0	14.05	14.48	15.08	14.89	13.48	15.03	13.10	14.67	13.62	13.98	13.91	13.33	13.10	14.31	16.58
BBMW-39I	25.0 - 30.0	14.06	14.44	14.99	14.88	13.48	15.03	14.11	14.65	13.69	13.17	13.92	13.37	13.17	14.32	16.58
BBMW-39I2	45.0 - 50.0	14.02	14.36	15.09	14.83	13.45	15.07	14.07	14.61	13.61	13.11	13.87	13.28	13.11	14.29	16.54
BBMW-39D	65.0 - 70.0	14.05	14.47	15.08	14.84	13.46	15.01	14.07	14.65	13.61	13.94	13.88	13.31	13.31	14.36	16.55
BBMW-40S	5.0 - 15.0	14.54	15.14	15.56	15.44	13.90	15.92	14.65	15.36	14.09	14.45	14.45	13.85	13.85	14.90	17.15
BBMW-40I	25.0 - 30.0	14.57	15.03	15.56	15.33	13.97	15.55	14.70	15.22	14.06	14.48	14.53	13.83	13.83	14.88	17.08
BBMW-40I2	45.0 - 50.0	14.57	15.00	15.51	15.29	12.93	15.53	14.58	15.17	14.02	14.45	14.48	13.78	12.93	14.79	17.07
BBMW-40D	70.0 - 75.0	14.58	15.00	15.67	15.32	12.95	15.54	14.63	15.21	14.02	14.46	14.49	13.76	12.95	14.82	17.08
BBMW-41S	6.0 - 16.0	14.38	14.86	15.37	15.15	13.77	15.53	13.47	15.03	13.84	14.30	14.34	13.61	13.47	14.61	16.68
BBMW-41I	25.0 - 30.0	14.40	14.86	15.59	15.17	13.78	15.57	13.47	15.06	13.86	14.30	14.32	13.67	13.47	14.66	16.82
BBMW-41I2	45.0 - 50.0	14.40	14.80	15.52	15.15	13.78	15.51	14.44	15.01	13.86	14.26	14.33	13.62	13.62	14.69	16.93
BBMW-41D	65.0 - 70.0	14.37	14.81	15.50	15.18	13.76	15.51	14.39	15.00	13.86	14.25	14.22	13.59	13.59	14.66	16.89
MW-03S	3.0 -13.0	14.24	14.66	15.59	15.04	13.60	15.40	14.32	17.13	16.02	16.40	NC	15.78	12.45	14.71	17.13
MW-03D	35.0 - 45.0	14.25	14.66	15.50	15.04	12.56	15.40	14.30	17.09	15.91	16.37	NC	15.69	12.44	14.67	17.09
MW-05S	4.0 - 14.0	14.04	14.44	15.25	14.83	13.44	15.12	14.12	14.67	13.57	13.96	13.96	13.32	9.51	14.25	17.61
MW-05D	35.5 - 45.5	14.38	14.79	15.37	15.17	13.78	15.44	14.47	15.31	13.91	14.31	14.33	13.63	9.82	14.59	18.51

Table 3-2. OU-1 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 1

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level														
		Apr-12	Apr-13	Apr-14	Apr-15	Jun-16	Apr-17	Jun-18	Apr-19	Oct-20	Jun-21	Jun-22	Jul-23	Minimum	Average	Maximum
OZMW-16S	5.0 - 15.0	13.29	13.57	14.37	14.00	12.74	14.14	13.29	13.85	12.65	13.19	13.20	12.57	12.57	13.48	14.37
OZMW-16I	20.0 - 30.0	13.33	13.65	14.72	14.10	12.80	14.15	13.32	13.89	12.86	13.23	13.23	12.61	12.61	13.53	14.72
OZMW-16I2	35.0 - 45.0	13.27	13.62	14.51	14.03	12.77	14.14	13.33	13.86	12.91	13.18	13.20	12.55	12.55	13.51	14.51
OZMW-16D	55.0 - 65.0	13.34	13.63	14.59	14.05	12.77	14.17	13.29	13.88	12.87	13.19	13.20	12.59	12.59	13.54	14.59
OZMW-17S	5.0 - 15.0	13.34	13.64	14.65	14.08	12.82	14.20	13.34	13.90	13.35	13.22	13.28	12.55	12.55	13.62	15.92
OZMW-17I	20.0 - 30.0	13.32	13.64	14.60	14.07	12.80	14.19	13.34	13.90	12.90	13.22	13.27	12.61	12.61	13.60	15.94
OZMW-17I2	35.0 - 45.0	13.27	13.59	14.36	14.00	12.72	14.14	13.31	13.84	12.40	13.66	13.22	12.54	12.40	13.53	15.91
OZMW-17D	53.0 - 63.0	13.36	13.64	14.32	14.04	12.75	14.17	13.30	13.85	12.77	13.68	13.19	12.55	12.55	13.56	15.86
OZMW-18S	5.0 - 15.0	13.24	13.64	14.46	13.92	12.65	14.10	13.21	13.77	13.33	13.66	13.72	13.05	12.65	13.51	14.46
OZMW-18I	20.0 - 30.0	13.71	13.96	14.82	14.34	13.08	14.51	13.67	14.20	13.16	13.53	13.58	12.91	12.91	13.83	14.82
OZMW-18I2	35.0 - 45.0	13.67	14.06	14.88	14.42	13.16	14.60	13.73	14.30	13.26	13.62	13.56	12.99	12.99	13.89	14.88
OZMW-18D	55.0 - 65.0	13.22	13.67	14.53	13.99	12.66	14.15	13.25	13.84	12.24	13.18	13.21	12.53	12.24	13.42	14.53
OZMW-19S	5.0 - 15.0	14.09	14.05	15.13	14.83	12.57	14.98	14.12	14.70	13.80	13.97	13.99	13.31	12.57	14.29	16.52
OZMW-19I	20.0 - 30.0	13.79	13.99	14.97	14.53	13.24	14.67	13.85	14.38	13.27	13.68	13.67	13.04	13.04	14.03	16.37
OZMW-19I2	35.0 - 45.0	13.74	13.77	14.57	14.47	13.13	14.41	13.79	14.32	13.23	13.64	13.62	12.98	12.98	13.96	16.31
OZMW-19D	53.0 - 63.0	13.81	13.73	14.88	14.55	13.12	14.68	13.86	14.39	13.20	13.69	13.70	13.06	13.06	14.03	16.38
OZMW-21S	5.0 - 15.0	14.19	14.90	15.17	14.96	13.67	15.20	14.20	14.83	13.69	14.10	13.90	12.99	12.99	14.38	15.20
OZMW-21I	20.0 - 30.0	14.04	14.51	15.18	14.94	13.58	15.17	14.37	14.79	13.67	14.08	14.06	13.43	13.43	14.37	15.18
OZMW-21I2	35.0 - 45.0	14.10	14.51	15.10	14.87	13.58	15.11	14.29	14.72	13.61	14.00	13.97	13.34	13.34	14.31	15.13
OZMW-21D	55.0 - 65.0	14.12	15.14	15.03	14.97	13.63	15.20	14.42	14.83	13.69	14.10	14.07	13.46	13.46	14.39	15.20
OZMW-22RS	5.0 - 15.0	13.51	13.91	14.89	14.38	12.98	14.71	13.58	14.20	13.02	13.18	13.48	12.86	12.86	13.72	14.89
OZMW-22RI	20.0 - 30.0	13.46	14.05	14.47	14.26	12.90	14.65	13.52	14.10	12.98	12.79	13.43	12.82	12.79	13.60	14.65
OZMW-23S	5.0 - 15.0	13.55	15.25	14.68	14.21	12.87	14.28	13.61	14.18	13.12	13.39	13.42	12.82	12.82	13.74	15.25
OZMW-23I	20.0 - 25.0	13.55	15.17	14.61	14.22	12.90	14.29	13.64	14.18	13.04	13.38	13.48	12.84	12.84	13.72	15.17
OZMW-23I2	35.0 - 40.0	13.48	13.78	14.54	14.18	12.84	14.26	13.58	14.11	12.99	13.31	13.37	12.77	12.77	13.61	14.54
OZMW-23D	55.0 - 65.0	13.52	13.83	14.63	14.24	12.81	14.30	13.61	14.17	13.03	13.36	13.41	12.83	12.81	13.65	14.63
OZMW-24S	5.0 - 15.0	10.83	11.27	11.94	11.64	10.20	11.71	10.93	11.44	10.34	10.70	10.71	10.14	10.14	10.97	11.94
OZMW-24I	20.0 - 25.0	13.46	13.86	14.72	14.28	12.92	14.33	13.59	14.08	12.05	13.35	13.40	12.78	12.05	13.58	14.72
OZMW-24I2	35.0 - 40.0	13.49	13.91	14.52	14.27	12.88	14.36	13.58	14.10	13.01	13.37	13.39	12.78	12.78	13.62	14.52
OZMW-24D	55.0 - 65.0	13.50	14.02	14.45	14.34	12.89	14.41	13.66	14.15	13.05	13.45	13.45	12.83	12.83	13.67	14.45
OZMW-25S	5.0 - 15.0	14.43	14.06	15.02	14.74	13.38	14.94	14.02	14.58	13.44	13.84	13.88	13.19	13.19	14.25	16.66
OZMW-25I	20.0 - 30.0	13.84	13.87	14.85	14.70	13.31	14.95	13.99	14.60	13.33	13.83	13.87	13.21	13.21	14.17	16.63
OZMW-25I2	35.0 - 45.0	13.93	13.86	14.90	14.72	13.39	14.97	14.00	14.59	13.44	13.83	13.86	13.28	13.28	14.22	16.64
OZMW-25D	55.0 - 65.0	13.94	13.93	15.14	14.73	13.37	14.96	14.04	14.59	13.46	13.85	13.83	13.22	13.22	14.24	16.63
OZMW-26S	5.0 - 15.0	13.80	14.19	14.91	14.52	13.04	14.59	13.88	14.46	13.23	13.78	13.89	13.11	13.04	14.12	16.66
OZMW-26I	20.0 - 25.0	13.83	14.29	14.82	14.56	13.05	14.66	13.91	14.51	13.30	13.80	13.83	13.16	13.05	13.99	14.82
OZMW-26I2	35.0 - 40.0	13.84	14.25	14.84	14.56	13.10	14.67	13.92	14.51	13.28	13.71	13.78	13.12	13.10	13.98	14.84
OZMW-26D	55.0 - 65.0	13.83	NC	NC	14.56	13.16	14.66	13.91	14.50	13.29	13.70	13.74	13.09	13.09	13.90	14.66

Notes:
NC - Not Calculated
bgs - below ground surface
Well Elevations obtained from 2007 survey
or later and reference NAVD88 datum.

Table 3-3. OU-2 Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2022/2023 Annual GM and OM Report
Operable Unit No. 2
July 5 and 6, 2023

Well ID	Date of Measurement	Well Elevation[1] (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
BBMW-01S	7/5/2023	19.65	7.82	11.83	
BBMW-01I	7/5/2023	19.23	7.38	11.85	
BBMW-01D	7/5/2023	19.20	7.36	11.84	
BBMW-02S	7/5/2023	16.83	5.90	10.93	
BBMW-02I	7/5/2023	16.96	6.05	10.91	
BBMW-02D	7/5/2023	17.13	6.24	10.89	
BBMW-03S	7/5/2023	11.33	4.05	7.28	
BBMW-03I	7/5/2023	11.19	4.07	7.12	
BBMW-03D	7/5/2023	11.24	3.95	7.29	
BBMW-04D	NA	19.69	NM	NA	Well inaccessible
BBMW-07S	NA	12.80	NM	NA	Well inaccessible
BBMW-07I	NA	12.60	NM	NA	Well inaccessible
BBMW-07D	NA	12.58	NM	NA	Well inaccessible
BBMW-15S	7/5/2023	15.92	6.26	9.66	
BBMW-15I	7/5/2023	15.82	6.20	9.62	
BBMW-15I2	7/5/2023	15.79	6.20	9.59	
BBMW-15D	7/5/2023	15.63	6.01	9.62	
BBMW-16S	7/5/2023	19.04	9.33	9.71	
BBMW-16I	7/5/2023	19.43	10.25	9.18	
BBMW-16D	7/5/2023	18.97	9.81	9.16	
BBMW-23S	7/6/2023	19.13	7.00	12.13	
BBMW-23I	7/6/2023	19.16	7.08	12.08	
BBMW-23D	7/6/2023	19.17	7.02	12.15	
BBMW-23D2	7/6/2023	18.61	6.52	12.09	
BBMW-24S	7/6/2023	18.14	7.87	10.27	
BBMW-24I	7/6/2023	18.01	7.92	10.09	
BBMW-24D	7/6/2023	17.76	7.78	9.98	
BBMW-25S	7/6/2023	12.80	4.86	7.94	
BBMW-25I	7/6/2023	12.79	5.10	7.69	
BBMW-25D	7/6/2023	12.70	5.05	7.65	
GM-05S	7/5/2023	5.73	2.76	2.97	
GM-05I	7/5/2023	5.92	2.62	3.30	
GM-05D	7/5/2023	7.87	0.82	9.30	Artesian well
GM-06S	7/5/2023	9.52	6.08	3.44	
GM-06I	7/5/2023	9.56	6.14	3.42	
GM-06D	7/5/2023	9.66	6.21	3.45	
GM-07S	7/5/2023	10.61	7.80	2.81	
GM-07I	7/5/2023	10.53	7.80	2.73	
GM-07D	7/5/2023	10.75	7.95	2.80	
GM-08S	NA	3.90	NM	NA	Well not labeled
GM-08I	NA	4.05	NM	NA	Well not labeled
GM-08D	NA	3.91	NM	NA	Well not labeled
GM-09S	NA	3.22	NM	NA	Well not labeled
GM-09I	NA	3.41	NM	NA	Well not labeled
GM-09D	NA	3.09	NM	NA	Well not labeled
GM-10AD	7/5/2023	8.07	6.13	1.94	
GMP-01	7/5/2023	6.58	3.20	3.38	
GMP-02	7/5/2023	6.28	3.34	2.94	
GMP-04	7/5/2023	3.74	2.20	1.54	
MW-16AS	7/5/2023	16.16	6.23	9.93	
OU2-IW01S	7/5/2023	12.86	3.07	9.79	
OU2MW-01WT	7/6/2023	12.86	4.85	8.01	
OU2MW-01S	7/6/2023	12.41	4.89	7.52	
OU2MW-01I	7/6/2023	12.47	4.91	7.56	
OU2MW-01I2	7/6/2023	12.28	4.82	7.46	
OU2MW-01D	7/6/2023	12.35	3.62	8.73	
OU2MW-02S	7/6/2023	11.58	4.13	7.45	
OU2MW-02I	7/6/2023	11.59	4.14	7.45	
OU2MW-02I2	7/6/2023	11.74	4.31	7.43	
OU2MW-02D	7/6/2023	11.53	3.48	8.05	
OU2MW-03S	7/6/2023	11.23	5.05	6.18	
OU2MW-03I	7/6/2023	11.15	4.98	6.17	
OU2MW-03I2	7/6/2023	11.15	5.01	6.14	
OU2MW-03D	7/6/2023	11.14	3.63	7.51	
OU2MW-04WT	7/6/2023	10.34	NM	NA	Well obstructed at 3.71 feet
OU2MW-04S	7/6/2023	10.18	4.21	5.97	
OU2MW-04I	7/6/2023	10.10	4.14	5.96	
OU2MW-04I2	7/6/2023	10.05	4.10	5.95	
OU2MW-04D	7/6/2023	10.08	4.09	5.99	
OU2MW-05	7/5/2023	6.32	2.32	4.00	
OU2MW-06S	7/5/2023	4.83	2.50	2.33	
OU2MW-06	7/5/2023	4.43	2.02	2.41	
OU2MW-07S	7/5/2023	5.47	3.30	2.17	
OU2MW-07	7/5/2023	5.34	3.20	2.14	
OU2MW-08WT	7/5/2023	14.93	7.04	7.89	
OU2MW-08S	7/5/2023	14.77	6.91	7.86	

Table 3-3. OU-2 Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2022/2023 Annual GM and OM Report
Operable Unit No. 2
July 5 and 6, 2023

Well ID	Date of Measurement	Well Elevation[1] (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
OU2MW-08I	7/5/2023	14.70	6.90	7.80	
OU2MW-08I2	7/5/2023	14.78	6.93	7.85	
OU2MW-08D	7/5/2023	14.87	6.29	8.58	
OU2MW-09	7/5/2023	11.26	4.01	7.25	
OU2MW-10S	7/5/2023	5.31	2.81	2.50	
OU2MW-10I	7/5/2023	5.42	2.91	2.51	
OU2MW-10D	7/5/2023	5.43	2.95	2.48	
OU2MW-11S	7/5/2023	6.69	3.10	3.59	
OU2MW-11I	7/5/2023	6.72	3.16	3.56	
OU2MW-11I2	7/5/2023	6.53	2.99	3.54	
OU2MW-11D	7/5/2023	6.65	3.11	3.54	
OU2MW-12S	7/5/2023	5.70	2.67	3.03	
OU2MW-12I	7/5/2023	5.73	2.65	3.08	
OU2MW-12I2	7/5/2023	5.81	2.71	3.10	
OU2MW-12D	7/5/2023	5.59	2.51	3.08	
OU2MW-13S	7/5/2023	4.78	3.00	1.78	
OU2MW-13I	7/5/2023	4.81	2.60	2.21	
OU2MW-13D	7/5/2023	4.94	2.82	2.12	
OU2MW-14S	7/5/2023	14.58	6.68	7.90	
OU2MW-14I	7/5/2023	14.75	6.25	8.50	
OU2MW-14I2	7/5/2023	14.77	6.82	7.95	
OU2MW-15S	7/5/2023	4.80	2.28	2.52	
OU2MW-15I	7/5/2023	5.09	2.55	2.54	
OU2MW-15I2	7/5/2023	5.13	2.61	2.52	
OU2MW-15D	7/5/2023	5.21	2.66	2.55	
OU2MW-16S	7/5/2023	5.44	2.78	2.66	
OU2MW-16I	7/5/2023	5.31	2.72	2.59	
OU2MW-16I2	7/5/2023	5.31	2.70	2.61	
OU2MW-16D	7/5/2023	5.61	3.01	2.60	
OU2MW-17S	7/5/2023	19.83	7.93	11.90	
OU2MW-17I	7/5/2023	19.91	7.95	11.96	
OU2MW-17I2	7/5/2023	19.86	7.96	11.90	
OU2MW-17D	7/5/2023	19.71	7.81	11.90	
OU2MW-18I	7/5/2023	19.98	8.11	11.87	
OU2MW-18I2	7/5/2023	19.97	8.09	11.88	
OU2MW-18D	7/5/2023	19.97	8.10	11.87	
OU2MW-39S	7/5/2023	21.22	10.18	11.04	
OU2MW-39I	7/5/2023	21.32	10.21	11.11	
OU2MW-39I2	7/5/2023	21.14	10.06	11.08	
OU2MW-39D	7/5/2023	21.18	10.12	11.06	
OU2MW-49S	7/6/2023	18.88	6.52	12.36	
OU2MW-49I	7/6/2023	19.09	6.34	12.75	
OU2MW-49I2	7/6/2023	18.58	6.23	12.35	
OU2MW-49D	7/6/2023	18.72	6.37	12.35	
OU2MW-50S	7/6/2023	20.97	8.43	12.54	
OU2MW-50I	7/6/2023	20.94	8.23	12.71	
OU2MW-50I2	7/6/2023	21.02	8.55	12.47	
OU2MW-50D	7/6/2023	21.09	8.61	12.48	
OU2MW-51S	7/6/2023	20.99	8.51	12.48	
OU2MW-51I	7/6/2023	20.93	8.50	12.43	
OU2MW-51I2	7/6/2023	21.00	8.52	12.48	
OU2MW-51D	7/6/2023	21.03	8.58	12.45	
OU2MW-54S	7/6/2023	18.24	6.14	12.10	
OU2MW-54I	7/6/2023	18.14	6.06	12.08	
OU2MW-54I2	7/6/2023	18.06	5.96	12.10	
OU2MW-54D	7/6/2023	18.35	6.26	12.09	
OU2MW-57S	7/6/2023	19.21	6.98	12.23	
OU2MW-57I	7/6/2023	18.88	6.60	12.28	
OU2MW-57I2	7/6/2023	19.09	6.82	12.27	
OU2MW-58S	7/5/2023	20.80	8.65	12.15	
OU2MW-58I	7/5/2023	20.79	8.70	12.09	
OU2SW-01	7/5/2023	2.65	7.21	-4.56	Surface Water Gauging Station at Lawrence Creek
BBSW-06	7/5/2023	2.08	1.89	0.19	Surface Water Gauging Station at Lawrence Creek
BBSW-07	7/5/2023	6.83	1.96	4.87	Surface Water Gauging Station at Lawrence Lake

Notes:
1 - Well Elevations obtained from 2007 survey or later and reference NAVD88 datum
MSL - Mean Sea Level
NM - Not Measured
NA - Not Applicable
* - Surface Water Gauging Station

Table 3-4. OU-2 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 2

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level													
		Dec-78	Oct-92	Nov-99	Mar-02	Jun-02	Aug-02	Nov-02	Mar-03	Jul-03	Sep-03	Jan-04	Apr-04	Aug-04	Oct-04
BBMW-01S	5.0 - 15.0	NC	NC	12.33	NC	12.49	NC	12.70	13.34	13.09	12.38	12.67	14.11	12.10	12.51
BBMW-01I	32.0 - 42.0	NC	NC	12.29	NC	12.47	NC	12.69	13.32	13.07	12.35	12.65	14.09	12.08	12.49
BBMW-01D	68.5 - 78.5	NC	NC	12.33	NC	12.47	NC	12.75	14.40	13.12	12.37	12.68	14.14	12.11	12.51
BBMW-02S	5.0 - 15.0	NC	NC	11.45	11.29	11.34	NC	11.85	12.35	12.08	11.42	NC	13.10	11.16	11.52
BBMW-02I	30.0 - 40.0	NC	NC	11.42	11.26	11.32	NC	11.83	12.33	12.07	11.41	NC	13.08	11.15	11.50
BBMW-02D	73.0 - 83.0	NC	NC	11.40	11.24	11.30	NC	11.81	NC	12.05	11.38	NC	13.08	11.12	11.48
BBMW-03S	3.0 - 13.0	NC	NC	7.61	7.51	7.54	NC	8.05	8.23	8.25	7.46	7.74	9.01	7.42	7.72
BBMW-03I	30.0 - 40.0	NC	NC	7.60	7.52	7.53	NC	8.03	8.24	8.24	7.48	7.73	8.97	7.41	7.72
BBMW-03D	52.0 - 62.0	NC	NC	7.62	7.52	7.58	NC	8.08	8.27	8.26	7.45	7.77	8.99	7.44	7.75
BBMW-04D	63.0 - 73.0	NC	NC	13.55	13.28	13.98	12.03	14.10	14.57	14.40	13.54	13.96	15.48	13.38	13.84
BBMW-07S	5.0 - 15.0	NC	NC	5.29	5.16	5.58	NC	5.90	6.05	5.92	5.45	NC	6.83	5.27	5.71
BBMW-07I	30.0 - 40.0	NC	NC	5.28	5.13	5.60	NC	5.92	6.06	5.91	5.44	NC	6.83	5.26	5.72
BBMW-07D	55.0 - 65.0	NC	NC	5.29	5.14	5.59	NC	5.92	NC	5.91	5.47	NC	6.82	5.27	5.73
BBMW-15S	5.0 - 15.0	NC	NC	10.21	10.06	10.10	NC	10.57	10.93	10.71	10.15	10.46	11.72	9.86	10.18
BBMW-15I	35.0 - 45.0	NC	NC	10.06	10.02	10.07	NC	10.49	10.91	10.69	10.09	10.45	11.71	9.84	10.16
BBMW-15I2	23.0 - 28.0	NC	NC	10.14	9.89	9.93	NC	10.37	10.84	10.63	10.10	10.39	11.66	9.81	10.16
BBMW-15D	70.0 -80.0	NC	NC	10.16	10.01	10.06	NC	10.49	10.87	10.67	10.10	10.40	11.76	9.82	10.15
BBMW-16S	5.0 - 15.0	NC	NC	9.40	NC	NC	NC	12.82	NC	10.07	9.53	9.67	10.79	9.28	9.73
BBMW-16I	35.0 - 45.0	NC	NC	9.43	NC	NC	NC	9.85	10.28	10.10	9.56	9.70	10.82	9.32	9.76
BBMW-16D	68.0 - 78.0	NC	NC	9.42	NC	NC	NC	9.88	10.32	10.12	9.58	9.73	10.86	9.31	9.75
BBMW-23S	5.0 - 15.0	NC	NC	NC	NC	12.58	NC	13.16	13.78	13.51	12.80	13.09	14.55	12.51	12.93
BBMW-23I	33.0 - 43.0	NC	NC	NC	NC	12.62	NC	13.15	13.78	13.50	12.79	13.08	14.55	12.50	12.93
BBMW-23D	49.5 - 59.5	NC	NC	NC	NC	12.54	NC	13.16	13.78	13.52	12.80	13.10	14.55	12.53	12.94
BBMW-23D2	63.0 - 73.0	NC	NC	NC	NC	12.80	NC	13.19	13.81	13.46	12.82	13.10	14.57	12.52	12.96
BBMW-24S	4.0 - 14.0	NC	NC	NC	NC	10.36	NC	10.83	11.36	11.17	10.49	10.74	12.15	10.23	10.61
BBMW-24I	32.0 - 42.0	NC	NC	NC	NC	10.35	NC	10.83	11.36	11.15	10.48	10.74	12.15	10.22	10.60
BBMW-24D	59.5 - 69.5	NC	NC	NC	NC	10.36	NC	10.82	11.36	11.15	10.49	10.75	12.16	10.24	10.61
BBMW-25S	4.0 - 14.0	NC	NC	NC	NC	7.33	NC	7.85	8.22	8.03	7.32	7.60	8.98	7.23	7.62
BBMW-25I	25.0 - 35.0	NC	NC	NC	NC	7.36	NC	7.87	8.25	8.04	7.35	7.63	8.99	7.25	7.64
BBMW-25D	62.0 - 72.0	NC	NC	NC	NC	7.35	NC	NC	8.22	7.98	7.28	7.56	8.92	7.18	7.55
GM-05S	5.1 - 20.1	2.12	2.48	2.49	2.52	3.21	NC	3.35	2.80	3.21	2.62	2.49	3.74	2.68	3.36
GM-05I	35.05 - 48.05	2.28	2.69	2.59	2.62	3.37	NC	3.50	2.99	3.36	2.72	2.64	3.90	2.81	3.49
GM-05D	60.95 - 75.95	7.35	9.04	7.87	NC	7.03	NC	7.42	7.51	7.50	6.83	7.18	NC	8.97	7.58
GM-06S	8.97 - 23.97	2.59	2.96	3.08	2.89	3.46	NC	3.77	3.72	3.70	3.33	2.90	4.58	3.14	3.69
GM-06I	35.40 - 40.40	2.60	2.97	3.08	2.93	3.57	NC	3.86	3.73	3.77	3.54	3.47	4.59	3.16	3.70
GM-06D	60.05 - 75.05	2.71	2.96	3.07	2.92	3.49	NC	3.79	3.73	3.72	3.35	2.91	4.58	3.15	3.70
GM-07S	9.75 - 24.75	1.40	2.17	2.15	2.01	2.49	NC	2.64	2.53	2.73	2.56	2.01	3.34	2.34	3.01
GM-07I	29.6 - 44.6	1.32	2.16	2.14	2.00	2.52	NC	2.85	2.52	2.75	2.57	2.06	3.35	2.32	3.00
GM-07D	50.3 - 65.3	1.52	2.17	2.14	NC	2.54	NC	2.67	2.58	3.76	2.58	2.04	3.36	2.33	3.02
GM-08S	6.35 - 21.35	0.37	0.64	0.54	0.61	1.34	NC	1.43	0.54	1.22	0.72	0.62	1.41	1.08	1.74
GM-08I	29.95 - 44.95	0.53	0.64	0.54	0.64	1.34	NC	1.45	0.56	1.22	0.71	0.63	1.11	1.09	1.76
GM-08D	48.25 - 63.25	0.26	0.67	0.55	0.62	1.38	NC	1.47	0.56	1.26	0.73	0.65	1.48	1.14	1.77
GM-09S	20.0 - 25.0	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	1.15	0.66	1.41
GM-09I	40.0 - 45.0	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	1.17	0.67	1.43
GM-09D	48.35 - 63.35	0.02	0.47	0.45	0.41	1.24	NC	0.80	0.45	0.69	0.93	0.31	1.16	0.67	1.41

Table 3-4. OU-2 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 2

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level													
		Dec-78	Oct-92	Nov-99	Mar-02	Jun-02	Aug-02	Nov-02	Mar-03	Jul-03	Sep-03	Jan-04	Apr-04	Aug-04	Oct-04
GM-10AD	unknown	NC	NC	NC	1.12	1.86	NC	1.92	1.62	1.82	1.76	1.08	2.43	1.51	2.20
GMP-01	25.0 - 30.0	NC	NC	NC	2.97	3.65	NC	3.78	3.26	3.66	3.07	3.04	4.18	3.15	3.78
GMP-02	18.0 - 23.0	NC	NC	NC	2.25	2.95	NC	3.05	2.44	2.91	2.36	2.24	3.37	2.40	3.15
GMP-04	15.5 - 20.5	NC	NC	NC	0.96	1.46	NC	1.18	0.47	1.40	1.01	1.11	1.17	0.93	2.11
MW-16AS	3.0 - 13.0	NC	NC	10.45	10.30	10.36	NC	10.82	11.21	10.99	10.44	NC	12.00	10.10	10.44
OU2-IW01S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-01WT	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-01S	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-01I	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-01I2	50.0 - 55.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-01D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-02S	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-02I	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-02I2	50.0 - 55.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-02D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-03S	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-03I	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-03I2	50.0 - 55.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-03D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-04WT	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-04S	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-04I	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-04I2	50.0 - 55.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-04D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-05	25.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-06S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-06	25.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-07S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-07	15.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-08WT	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-08S	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-08I	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-08I2	50.0 - 55.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-08D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-09	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-10S	3.0 - 7.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-10I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-10D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-11S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-11I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-11I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-11D	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-12S	3.0 - 7.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-12I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-12I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-12D	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-13S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-13I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-13D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-14S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-4. OU-2 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 2

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level													
		Dec-78	Oct-92	Nov-99	Mar-02	Jun-02	Aug-02	Nov-02	Mar-03	Jul-03	Sep-03	Jan-04	Apr-04	Aug-04	Oct-04
OU2MW-14I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-14I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-15S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-15I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-15I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-15D	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-16S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-16I	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-16I2	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-16D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-17S	5.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-17I	13.0 - 23.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-17I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-17D	60.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-18I	13.0 - 23.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-18I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-18D	60.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-39S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-39I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-39I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-39D	70.0 - 75.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-49S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-49I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-49I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-49D	63.0 - 68.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-50S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-50I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-50I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-50D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-51S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-51I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-51I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-51D	61.0 - 66.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-54S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-54I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-54I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-54D	60.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-57S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-57I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-57I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-58S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-58I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-4. OU-2 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 2

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level													
		Feb-05	May-05	Aug-05	Nov-05	Feb-06	May-06	July/Aug-06	Nov-06	Jan-07	May-07	July/Aug-07	Oct/Nov-07	Jan-08	Apr/May-08
BBMW-01S	5.0 - 15.0	13.16	13.03	11.91	13.41	13.36	12.95	12.64	14.10	13.03	13.36	12.63	11.91	12.78	13.27
BBMW-01I	32.0 - 42.0	13.14	13.01	11.89	13.49	13.34	12.94	12.63	13.09	13.01	13.34	12.62	11.90	12.77	13.25
BBMW-01D	68.5 - 78.5	13.16	13.07	11.92	13.50	13.36	12.96	12.64	13.10	13.02	13.38	12.64	11.91	12.79	13.29
BBMW-02S	5.0 - 15.0	NC	12.06	10.99	12.45	12.36	12.00	11.62	12.12	12.07	12.35	11.56	11.00	11.85	12.23
BBMW-02I	30.0 - 40.0	NC	12.03	10.96	12.43	12.32	11.95	11.59	12.08	12.02	12.35	11.55	11.00	11.85	12.24
BBMW-02D	73.0 - 83.0	NC	12.01	10.93	12.41	12.31	11.95	11.58	12.06	12.02	12.33	11.54	10.98	11.84	12.22
BBMW-03S	3.0 - 13.0	8.25	8.09	7.36	8.43	8.29	8.00	7.65	8.19	8.02	8.27	7.71	7.36	7.92	8.21
BBMW-03I	30.0 - 40.0	8.24	8.09	7.75	8.82	8.29	8.00	7.64	7.99	8.01	8.28	7.71	7.37	7.89	8.22
BBMW-03D	52.0 - 62.0	8.26	8.12	7.35	8.44	8.31	8.03	NC	8.14	8.05	8.32	7.74	7.38	7.92	8.23
BBMW-04D	63.0 - 73.0	14.51	14.39	13.18	14.96	14.67	14.31	14.01	14.48	14.39	NC	NC	13.28	14.20	14.78
BBMW-07S	5.0 - 15.0	5.98	5.80	5.12	6.29	NC	5.75	5.52	5.89	5.63	NC	NC	4.18	5.63	5.97
BBMW-07I	30.0 - 40.0	5.98	5.83	5.13	6.29	NC	5.76	5.53	5.91	5.63	NC	NC	5.16	5.57	5.96
BBMW-07D	55.0 - 65.0	5.98	5.82	5.11	6.29	NC	5.77	5.51	5.94	5.64	NC	NC	5.15	5.62	5.98
BBMW-15S	5.0 - 15.0	10.84	10.69	9.71	11.09	10.98	10.66	10.23	10.75	10.71	11.01	10.26	9.81	10.57	10.91
BBMW-15I	35.0 - 45.0	10.81	10.67	9.66	11.03	10.91	10.61	10.18	10.73	10.66	10.98	10.27	9.78	10.54	10.85
BBMW-15I2	23.0 - 28.0	10.80	10.60	9.66	11.05	10.93	10.62	10.21	10.73	10.67	10.98	10.19	9.77	10.60	10.87
BBMW-15D	70.0 -80.0	10.80	10.63	9.66	11.04	10.92	10.62	10.19	10.71	10.67	10.96	10.22	9.77	10.54	10.86
BBMW-16S	5.0 - 15.0	10.15	10.05	9.04	10.45	10.30	10.00	14.62	10.10	10.02	10.28	9.56	9.14	9.80	10.14
BBMW-16I	35.0 - 45.0	10.15	10.08	9.05	10.47	10.33	10.02	9.63	10.14	10.06	10.32	9.58	9.16	9.77	10.18
BBMW-16D	68.0 - 78.0	10.18	10.06	9.03	10.46	10.32	10.01	9.62	10.12	10.06	10.32	9.56	9.15	9.82	10.23
BBMW-23S	5.0 - 15.0	NC	13.46	12.32	14.00	13.78	13.37	13.06	13.52	13.48	13.76	10.35	12.31	13.19	13.67
BBMW-23I	33.0 - 43.0	NC	13.46	12.31	13.92	13.79	13.38	13.07	13.51	13.47	13.76	10.48	12.31	13.19	13.68
BBMW-23D	49.5 - 59.5	NC	13.47	12.32	13.95	13.79	13.39	13.08	13.53	13.49	13.81	10.29	12.28	13.19	13.71
BBMW-23D2	63.0 - 73.0	NC	13.47	12.32	13.93	13.78	13.38	13.07	13.52	13.48	13.76	10.31	12.31	13.16	13.68
BBMW-24S	4.0 - 14.0	11.20	11.09	10.04	11.53	11.39	11.02	10.67	11.09	11.06	11.41	9.41	10.12	10.86	11.32
BBMW-24I	32.0 - 42.0	11.20	11.09	10.02	11.51	11.37	10.99	10.66	11.07	11.04	11.43	9.44	10.11	10.82	11.30
BBMW-24D	59.5 - 69.5	11.19	11.09	10.03	11.52	11.38	11.03	10.67	11.10	11.07	11.43	9.44	10.13	10.88	11.31
BBMW-25S	4.0 - 14.0	8.13	8.01	7.64	8.99	8.84	8.49	NC	8.55	8.53	8.84	NC	7.78	8.37	8.77
BBMW-25I	25.0 - 35.0	8.16	8.02	7.66	8.99	8.84	8.49	NC	8.55	8.55	8.86	NC	NC	NC	NC
BBMW-25D	62.0 - 72.0	8.08	7.97	NC	8.99	NC	8.49	NC	8.55	8.52	8.83	NC	7.76	8.46	8.75
GM-05S	5.1 - 20.1	3.31	2.91	2.65	3.34	3.01	3.00	2.85	3.06	2.82	3.08	2.94	2.59	2.98	3.20
GM-05I	35.05 - 48.05	3.42	3.03	2.76	3.49	3.15	3.13	2.97	3.18	2.96	3.21	3.08	2.71	3.22	3.39
GM-05D	60.95 - 75.95	7.72	7.50	6.56	7.87	7.81	8.23	8.72	7.61	7.59	7.76	6.96	6.83	7.54	NC
GM-06S	8.97 - 23.97	3.73	3.52	3.06	4.10	3.69	3.50	3.48	3.79	3.29	3.73	3.44	3.07	3.39	3.71
GM-06I	35.40 - 40.40	3.74	3.57	3.08	4.10	3.70	3.52	3.48	3.80	3.30	3.75	3.45	3.08	3.39	3.72
GM-06D	60.05 - 75.05	3.74	3.54	3.07	4.11	3.70	3.52	3.48	3.79	3.30	3.74	3.45	3.08	3.38	3.70
GM-07S	9.75 - 24.75	2.80	2.58	2.36	3.04	2.63	2.64	2.60	2.88	2.42	2.71	2.62	2.30	2.54	2.73
GM-07I	29.6 - 44.6	2.79	2.63	2.34	3.03	2.62	2.64	2.59	2.87	2.41	2.69	2.60	2.30	2.50	2.72
GM-07D	50.3 - 65.3	2.81	2.63	2.34	3.44	2.62	2.65	2.61	2.87	2.43	2.70	2.61	2.31	2.55	2.72
GM-08S	6.35 - 21.35	1.46	0.83	0.89	1.35	0.95	1.04	1.01	1.06	0.79	0.96	1.02	0.72	1.08	1.13
GM-08I	29.95 - 44.95	1.46	0.86	0.91	1.35	0.96	1.04	1.02	1.06	0.79	0.97	1.02	0.73	1.04	1.13
GM-08D	48.25 - 63.25	1.48	0.88	0.93	1.39	0.96	1.03	1.02	1.06	0.79	0.96	1.02	0.62	1.09	1.13
GM-09S	20.0 - 25.0	1.17	0.74	0.65	0.94	0.62	0.79	0.81	0.88	0.58	0.75	0.95	0.72	0.96	0.89
GM-09I	40.0 - 45.0	1.17	0.74	0.65	0.95	0.63	0.80	0.83	0.89	0.60	0.76	0.96	0.73	0.92	0.90
GM-09D	48.35 - 63.35	1.17	0.75	0.65	0.96	0.64	0.79	0.82	0.89	0.59	0.76	0.96	0.72	0.95	0.90

Table 3-4. OU-2 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 2

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level													
		Feb-05	May-05	Aug-05	Nov-05	Feb-06	May-06	July/Aug-06	Nov-06	Jan-07	May-07	July/Aug-07	Oct/Nov-07	Jan-08	Apr/May-08
GM-10AD	unknown	1.92	1.41	1.57	2.08	1.67	1.72	1.74	NC	1.43	1.76	1.80	1.50	1.70	1.83
GMP-01	25.0 - 30.0	3.73	3.35	3.08	3.77	3.47	3.44	3.28	3.47	3.33	3.50	3.33	3.00	3.43	3.66
GMP-02	18.0 - 23.0	3.04	2.58	2.41	3.03	2.69	2.70	2.57	2.73	2.59	2.74	2.55	2.30	2.72	2.89
GMP-04	15.5 - 20.5	1.72	1.02	1.37	1.73	1.19	1.23	1.42	1.09	1.51	1.06	1.63	1.41	1.28	1.00
MW-16AS	3.0 - 13.0	11.10	10.96	9.93	11.34	11.23	10.92	10.48	11.02	10.98	11.27	10.47	10.11	10.92	11.16
OU2-IW01S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	2.50	2.91	2.97
OU2MW-01WT	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	7.74	8.29	8.70
OU2MW-01S	20.0 - 25.0	NC	NC	NC	8.79	8.62	8.30	NC	8.37	8.30	8.58	NC	7.56	8.12	8.51
OU2MW-01I	35.0 - 40.0	NC	NC	NC	8.82	8.65	8.28	NC	9.96	8.32	8.61	NC	7.56	8.17	8.52
OU2MW-01I2	50.0 - 55.0	NC	NC	NC	8.78	8.62	8.30	NC	8.36	8.40	8.59	NC	7.55	8.14	8.47
OU2MW-01D	65.0 - 70.0	NC	NC	NC	10.24	10.16	9.79	NC	8.23	9.89	10.06	NC	8.95	9.58	9.98
OU2MW-02S	20.0 - 25.0	NC	NC	NC	8.68	8.66	8.21	NC	8.31	8.31	8.51	NC	7.50	8.07	8.43
OU2MW-02I	35.0 - 40.0	NC	NC	NC	8.68	8.52	8.22	NC	8.26	8.23	8.51	NC	7.52	8.10	8.42
OU2MW-02I2	50.0 - 55.0	NC	NC	NC	8.67	8.51	8.21	NC	8.25	8.22	8.51	NC	7.10	8.08	8.41
OU2MW-02D	65.0 - 70.0	NC	NC	NC	8.87	8.74	8.41	NC	8.47	8.42	8.68	NC	7.71	8.28	8.62
OU2MW-03S	20.0 - 25.0	NC	NC	NC	7.23	7.01	6.73	NC	6.80	6.69	7.01	NC	6.12	6.62	7.01
OU2MW-03I	35.0 - 40.0	NC	NC	NC	7.25	7.03	6.75	NC	6.84	6.71	7.03	NC	6.14	6.64	7.02
OU2MW-03I2	50.0 - 55.0	NC	NC	NC	7.23	7.01	6.74	NC	6.79	6.69	7.02	NC	6.12	6.62	7.01
OU2MW-03D	65.0 - 70.0	NC	NC	NC	8.99	8.95	8.63	NC	6.75	8.85	8.95	NC	7.91	8.28	8.84
OU2MW-04WT	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	5.91	6.41	6.53
OU2MW-04S	20.0 - 25.0	NC	NC	NC	6.97	6.73	6.49	6.19	6.60	6.41	6.75	6.25	5.93	6.40	6.71
OU2MW-04I	35.0 - 40.0	NC	NC	NC	6.97	6.73	6.49	6.19	6.61	6.45	6.76	6.28	5.94	6.42	6.73
OU2MW-04I2	50.0 - 55.0	NC	NC	NC	6.96	6.72	6.49	NC	6.57	6.43	6.74	6.26	5.90	6.39	6.73
OU2MW-04D	65.0 - 70.0	NC	NC	NC	6.99	6.75	6.51	NC	6.60	6.47	6.77	6.28	6.06	6.41	6.74
OU2MW-05	25.0 - 35.0	NC	NC	NC	4.44	4.16	4.09	3.93	4.16	3.97	4.21	3.97	3.54	4.01	4.29
OU2MW-06S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	2.05	2.16	2.22
OU2MW-06	25.0 - 35.0	NC	NC	NC	2.57	2.17	2.21	2.17	2.17	2.21	2.17	2.22	2.03	2.16	2.16
OU2MW-07S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	1.96	2.04	1.94
OU2MW-07	15.0 - 25.0	NC	NC	NC	2.37	1.98	2.00	2.03	1.90	2.08	1.89	2.02	1.93	2.02	1.89
OU2MW-08WT	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	7.87	8.51	8.87
OU2MW-08S	20.0 - 25.0	NC	NC	NC	9.07	8.92	8.61	8.26	8.66	8.66	8.96	8.28	7.85	8.52	8.86
OU2MW-08I	35.0 - 40.0	NC	NC	NC	9.08	8.92	8.62	8.27	8.67	8.66	8.97	8.29	7.87	8.56	8.86
OU2MW-08I2	50.0 - 55.0	NC	NC	NC	9.12	8.95	8.66	8.30	8.71	8.70	8.99	8.32	7.89	8.52	9.58
OU2MW-08D	65.0 - 70.0	NC	NC	NC	9.89	9.79	9.45	9.01	9.55	9.52	9.83	9.06	8.69	9.34	9.72
OU2MW-09	20.0 - 30.0	NC	NC	NC	8.42	8.28	7.99	NC	8.04	8.02	8.27	7.71	7.37	7.93	8.20
OU2MW-10S	3.0 - 7.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	2.00	2.42	2.60
OU2MW-10I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	2.01	2.42	2.61
OU2MW-10D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	1.99	2.38	2.60
OU2MW-11S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	3.29	3.65	3.92
OU2MW-11I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	3.26	3.67	3.89
OU2MW-11I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	3.24	3.68	3.86
OU2MW-11D	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	3.23	3.63	3.85
OU2MW-12S	3.0 - 7.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	2.64	3.05	3.24
OU2MW-12I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	2.70	3.08	3.34
OU2MW-12I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	2.70	2.97	3.27
OU2MW-12D	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	2.67	3.06	3.26
OU2MW-13S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	1.82	2.16	2.27
OU2MW-13I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	1.79	2.08	2.21
OU2MW-13D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	1.79	2.00	2.20
OU2MW-14S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	7.64	7.76	8.63

Table 3-4. OU-2 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 2

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level													
		Feb-05	May-05	Aug-05	Nov-05	Feb-06	May-06	July/Aug-06	Nov-06	Jan-07	May-07	July/Aug-07	Oct/Nov-07	Jan-08	Apr/May-08
OU2MW-14I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-14I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-15S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	2.04	2.45	2.64
OU2MW-15I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	2.05	2.43	2.63
OU2MW-15I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	2.06	2.41	2.65
OU2MW-15D	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	2.06	2.46	2.66
OU2MW-16S	3.0 - 8.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	2.14	2.59	2.83
OU2MW-16I	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	2.12	2.56	2.75
OU2MW-16I2	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	2.13	2.51	2.77
OU2MW-16D	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	2.14	2.56	2.75
OU2MW-17S	5.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-17I	13.0 - 23.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-17I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-17D	60.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-18I	13.0 - 23.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-18I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-18D	60.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-39S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-39I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-39I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-39D	70.0 - 75.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-49S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-49I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-49I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-49D	63.0 - 68.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-50S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-50I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-50I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-50D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-51S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-51I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-51I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-51D	61.0 - 66.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-54S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-54I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-54I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-54D	60.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-57S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-57I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-57I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-58S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU2MW-58I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-4. OU-2 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 2

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level													
		Aug-08	Nov-08	Jan-09	May-09	Jul-09	Oct-09	Jan-10	Apr-10	Jul-10	Oct-10	Jan-11	Apr-11	Jul-11	Oct-11
BBMW-01S	5.0 - 15.0	12.22	12.92	12.88	13.10	13.11	12.29	13.41	14.73	12.27	12.47	12.65	13.00	12.78	12.88
BBMW-01I	32.0 - 42.0	12.21	12.91	12.88	13.07	13.11	12.30	13.43	14.74	12.27	11.58	12.63	13.02	12.55	12.88
BBMW-01D	68.5 - 78.5	12.24	12.94	12.91	13.08	13.15	12.34	13.43	14.74	12.29	11.99	12.70	13.00	12.58	12.91
BBMW-02S	5.0 - 15.0	11.23	11.92	11.57	12.08	12.09	11.27	12.39	13.60	11.22	11.05	11.74	12.03	11.57	11.77
BBMW-02I	30.0 - 40.0	11.24	11.92	11.88	12.08	12.10	11.26	12.39	13.59	11.21	11.05	11.73	12.06	11.63	11.83
BBMW-02D	73.0 - 83.0	11.21	11.90	11.87	12.07	12.07	11.22	12.34	13.60	11.21	11.03	11.72	11.98	11.68	11.81
BBMW-03S	3.0 - 13.0	7.43	8.00	7.89	8.09	8.10	7.43	8.28	9.68	7.39	7.50	7.88	8.03	7.62	8.26
BBMW-03I	30.0 - 40.0	7.43	8.02	7.86	8.09	8.10	7.47	8.28	9.68	7.39	7.52	7.89	8.04	7.40	8.08
BBMW-03D	52.0 - 62.0	7.43	8.03	7.90	8.09	8.11	7.45	8.29	9.70	7.39	7.51	7.89	8.04	7.36	8.00
BBMW-04D	63.0 - 73.0	10.72	14.37	14.39	14.59	14.57	13.15	14.74	16.04	13.67	13.25	14.00	14.35	14.12	14.16
BBMW-07S	5.0 - 15.0	5.43	5.76	5.46	5.76	5.98	5.39	6.05	7.77	5.28	5.49	5.58	5.72	5.62	5.82
BBMW-07I	30.0 - 40.0	5.43	5.77	5.46	5.86	5.96	5.38	6.03	7.76	5.28	5.47	5.56	5.70	5.45	5.64
BBMW-07D	55.0 - 65.0	5.45	5.76	5.46	5.75	5.96	5.37	6.03	7.73	5.29	5.52	5.55	5.69	5.60	5.74
BBMW-15S	5.0 - 15.0	9.93	10.63	10.57	10.75	10.76	9.92	11.42	12.16	9.87	9.82	10.44	10.67	10.38	10.63
BBMW-15I	35.0 - 45.0	9.90	10.55	10.55	10.72	10.75	9.92	11.02	12.13	9.84	9.83	10.44	10.67	10.32	10.52
BBMW-15I2	23.0 - 28.0	9.90	10.60	10.49	10.68	10.70	9.86	10.99	12.09	9.77	9.72	10.38	10.60	10.27	10.46
BBMW-15D	70.0 -80.0	9.89	10.57	10.51	10.67	10.73	9.87	11.00	12.11	9.82	9.78	10.63	10.62	10.22	10.49
BBMW-16S	5.0 - 15.0	9.29	9.87	9.85	10.09	10.14	9.46	10.19	11.39	9.33	9.28	9.70	9.94	9.55	9.95
BBMW-16I	35.0 - 45.0	9.31	9.89	9.89	10.09	15.14	9.45	10.38	11.45	9.34	9.30	9.73	9.97	9.65	9.96
BBMW-16D	68.0 - 78.0	9.36	9.94	9.92	10.53	10.19	9.48	10.42	11.48	9.38	9.34	9.78	10.49	9.68	10.01
BBMW-23S	5.0 - 15.0	12.62	13.34	13.25	13.37	13.49	12.67	13.75	15.14	12.63	12.35	13.03	13.09	13.10	13.19
BBMW-23I	33.0 - 43.0	12.62	13.33	13.24	13.46	13.49	12.61	13.73	15.09	12.60	12.30	13.01	12.99	13.07	13.14
BBMW-23D	49.5 - 59.5	12.65	13.36	13.26	13.86	13.51	12.69	13.76	15.13	12.63	12.38	13.05	13.05	13.20	13.19
BBMW-23D2	63.0 - 73.0	12.62	13.36	13.27	13.16	13.48	12.66	13.80	15.13	12.61	12.33	13.01	12.61	12.87	13.19
BBMW-24S	4.0 - 14.0	10.37	11.27	11.16	11.10	11.43	10.50	11.71	12.89	10.56	11.08	11.01	11.25	11.07	11.26
BBMW-24I	32.0 - 42.0	10.36	11.09	10.97	11.21	11.24	10.40	11.46	12.70	10.40	10.27	10.83	11.09	10.87	11.08
BBMW-24D	59.5 - 69.5	10.35	11.04	10.90	11.26	11.15	10.31	11.46	12.63	10.31	10.21	10.52	11.01	10.78	11.00
BBMW-25S	4.0 - 14.0	NC	8.43	8.30	8.60	NC	NC	8.75	10.40	NC	7.89	8.29	8.50	8.14	8.46
BBMW-25I	25.0 - 35.0	NC	8.40	8.32	8.57	NC	NC	8.79	10.37	NC	7.90	8.31	8.49	8.17	8.54
BBMW-25D	62.0 - 72.0	NC	8.45	8.36	8.56	NC	NC	8.90	10.35	NC	7.85	8.30	8.52	8.19	8.52
GM-05S	5.1 - 20.1	2.88	2.89	2.64	3.04	3.12	2.80	3.03	4.57	2.73	3.21	2.92	2.73	3.05	3.23
GM-05I	35.05 - 48.05	3.02	3.08	2.83	3.17	3.33	3.06	3.27	4.82	2.88	2.92	3.14	NC	3.10	3.44
GM-05D	60.95 - 75.95	NC	7.66	7.66	7.66	7.87	7.10	7.87	7.87	7.05	7.36	5.53	7.37	7.16	7.87
GM-06S	8.97 - 23.97	3.35	3.58	3.14	3.64	3.77	3.31	3.82	5.56	3.24	3.51	3.39	3.45	3.51	3.69
GM-06I	35.40 - 40.40	3.36	3.60	3.16	3.65	3.75	3.31	3.85	5.57	3.25	3.46	3.40	3.46	3.48	3.69
GM-06D	60.05 - 75.05	3.37	3.59	3.17	3.67	3.75	3.32	3.82	5.57	3.24	3.43	3.41	3.45	3.54	3.69
GM-07S	9.75 - 24.75	2.57	2.57	2.20	2.70	2.86	2.46	2.81	4.41	2.49	2.80	2.56	2.41	2.54	2.92
GM-07I	29.6 - 44.6	2.56	2.56	2.20	2.68	2.83	2.42	2.79	4.39	2.47	2.98	2.54	2.38	2.59	2.89
GM-07D	50.3 - 65.3	2.57	2.57	2.20	2.70	2.83	2.38	2.77	4.36	2.48	2.81	2.57	2.40	2.62	3.01
GM-08S	6.35 - 21.35	0.99	0.79	0.57	1.21	1.48	1.02	1.16	2.81	0.94	1.54	1.01	0.69	1.19	1.48
GM-08I	29.95 - 44.95	1.00	0.79	0.58	1.22	1.16	1.04	1.17	2.81	0.74	1.39	1.03	NC	1.33	1.48
GM-08D	48.25 - 63.25	1.00	0.79	0.58	1.21	1.20	0.86	1.20	2.80	0.74	1.46	1.09	0.66	1.15	1.49
GM-09S	20.0 - 25.0	0.92	0.68	0.34	1.08	0.90	0.78	0.76	1.63	0.86	1.28	0.93	0.45	1.14	1.33
GM-09I	40.0 - 45.0	0.92	0.70	0.34	1.07	0.90	0.88	0.74	1.73	0.86	1.27	0.94	0.44	1.14	1.34
GM-09D	48.35 - 63.35	0.93	0.70	0.36	1.07	0.91	0.78	0.77	1.73	0.87	1.26	0.96	0.44	1.13	1.37

Table 3-4. OU-2 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 2

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level													
		Aug-08	Nov-08	Jan-09	May-09	Jul-09	Oct-09	Jan-10	Apr-10	Jul-10	Oct-10	Jan-11	Apr-11	Jul-11	Oct-11
GM-10AD	unknown	1.75	1.66	1.22	1.79	1.94	1.61	1.82	3.43	1.65	2.01	NC	1.87	1.96	2.05
GMP-01	25.0 - 30.0	3.27	3.30	3.06	NC	3.57	3.17	3.48	5.4	3.14	3.73	3.39	3.19	3.42	3.70
GMP-02	18.0 - 23.0	2.58	2.55	2.31	2.74	2.83	2.77	2.79	4.76	2.44	2.97	2.72	2.39	2.79	3.06
GMP-04	15.5 - 20.5	1.65	1.09	0.70	1.39	1.29	1.01	1.50	2.80	0.95	2.01	1.54	0.89	1.37	1.69
MW-16AS	3.0 - 13.0	10.22	10.92	10.88	11.22	11.05	10.31	11.37	12.48	10.16	10.10	10.70	10.99	10.81	10.84
OU2-IW01S	3.0 - 8.0	2.77	2.74	2.57	2.97	2.99	2.68	2.99	4.97	2.70	3.08	2.89	2.65	2.99	3.18
OU2MW-01WT	3.0 - 8.0	NC	8.42	8.30	8.53	NC	7.82	8.81	10.29	NC	7.84	8.35	8.56	NC	8.51
OU2MW-01S	20.0 - 25.0	NC	8.28	8.15	8.36	NC	7.70	8.61	10.18	NC	7.72	8.12	8.31	NC	8.31
OU2MW-01I	35.0 - 40.0	NC	8.28	8.19	8.43	NC	7.72	8.52	10.25	NC	7.77	8.17	8.36	NC	8.40
OU2MW-01I2	50.0 - 55.0	NC	8.27	8.13	8.33	NC	7.66	8.58	9.16	NC	7.72	8.13	8.28	NC	8.30
OU2MW-01D	65.0 - 70.0	NC	9.70	9.61	9.84	NC	9.15	10.14	11.74	NC	9.13	9.51	9.75	NC	9.67
OU2MW-02S	20.0 - 25.0	NC	8.21	8.08	8.28	NC	7.63	8.53	9.99	NC	7.68	NC	8.23	NC	8.19
OU2MW-02I	35.0 - 40.0	NC	8.21	8.12	8.29	NC	7.63	8.52	10.03	NC	7.67	NC	8.24	NC	8.20
OU2MW-02I2	50.0 - 55.0	NC	8.21	8.08	8.26	NC	7.60	8.51	9.99	NC	7.65	NC	8.21	NC	8.27
OU2MW-02D	65.0 - 70.0	NC	8.42	8.30	8.47	NC	7.83	8.73	10.14	NC	7.87	NC	8.45	NC	8.42
OU2MW-03S	20.0 - 25.0	NC	6.67	6.62	6.84	NC	6.26	7.08	8.84	NC	6.34	NC	6.73	6.63	6.81
OU2MW-03I	35.0 - 40.0	NC	6.72	6.59	6.80	NC	6.27	7.10	8.86	NC	6.34	NC	6.75	6.59	6.79
OU2MW-03I2	50.0 - 55.0	NC	6.68	6.52	6.78	NC	6.25	6.74	8.32	NC	6.34	NC	6.71	6.53	6.70
OU2MW-03D	65.0 - 70.0	NC	8.50	7.17	8.67	NC	8.04	8.83	10.63	NC	7.84	NC	8.56	NC	6.66
OU2MW-04WT	3.0 - 8.0	6.12	6.50	6.32	6.57	6.63	6.06	6.74	8.55	6.04	6.17	6.33	6.49	6.23	6.53
OU2MW-04S	20.0 - 25.0	6.12	6.50	6.27	5.60	6.60	6.06	6.77	8.37	6.00	6.15	6.39	6.48	6.33	6.64
OU2MW-04I	35.0 - 40.0	6.19	6.52	6.33	6.57	6.63	6.05	6.81	8.58	5.99	6.18	6.36	6.50	6.35	6.54
OU2MW-04I2	50.0 - 55.0	6.13	6.52	6.30	6.56	6.62	6.03	6.74	8.55	5.88	6.16	6.35	6.46	6.26	6.59
OU2MW-04D	65.0 - 70.0	6.14	6.52	6.25	6.56	6.63	6.02	6.78	8.56	5.99	6.17	6.38	6.48	6.19	6.50
OU2MW-05	25.0 - 35.0	3.92	4.05	3.80	-1.05	4.22	3.83	4.28	6.14	3.83	4.10	4.00	3.92	4.05	4.30
OU2MW-06S	3.0 - 8.0	2.35	2.09	1.70	2.25	2.22	2.02	2.38	4.07	1.96	2.69	2.54	1.88	1.28	2.57
OU2MW-06	25.0 - 35.0	2.32	2.07	1.66	2.27	2.26	2.03	2.37	4.11	1.93	2.65	2.49	1.85	0.81	2.54
OU2MW-07S	3.0 - 8.0	2.22	1.85	1.50	2.11	2.02	1.87	2.22	3.67	1.75	2.61	2.45	1.72	2.14	2.45
OU2MW-07	15.0 - 25.0	2.17	1.80	1.45	2.06	1.47	1.75	2.14	3.79	1.72	2.49	2.41	1.70	2.11	2.37
OU2MW-08WT	3.0 - 8.0	8.04	8.63	8.52	8.74	8.72	8.03	8.98	10.26	7.95	8.07	8.49	8.67	8.37	8.56
OU2MW-08S	20.0 - 25.0	8.04	8.62	8.52	8.71	8.74	8.00	8.90	10.28	7.97	8.06	8.48	8.67	8.44	8.59
OU2MW-08I	35.0 - 40.0	8.02	8.61	8.49	8.71	8.74	8.00	8.97	10.24	7.92	8.03	8.45	8.65	8.35	8.54
OU2MW-08I2	50.0 - 55.0	8.06	8.64	8.52	8.72	8.74	8.53	8.99	10.27	7.96	8.03	8.28	8.68	8.39	8.57
OU2MW-08D	65.0 - 70.0	8.75	9.45	9.42	9.54	9.58	8.82	9.83	11.06	8.69	8.82	9.27	8.49	8.31	9.41
OU2MW-09	20.0 - 30.0	7.47	8.00	7.89	8.08	8.11	7.45	8.30	9.67	7.35	7.51	6.96	8.01	7.63	8.00
OU2MW-10S	3.0 - 7.0	2.38	2.37	1.99	2.41	2.52	2.29	2.35	4.52	2.15	2.65	NC	2.11	2.41	2.65
OU2MW-10I	20.0 - 25.0	2.35	2.36	1.76	2.47	2.54	2.25	2.32	4.55	2.14	2.65	NC	2.11	2.51	2.75
OU2MW-10D	35.0 - 40.0	2.33	2.34	1.97	2.41	2.52	2.20	2.32	4.50	2.19	2.60	NC	2.08	2.41	2.65
OU2MW-11S	3.0 - 8.0	3.58	3.68	3.42	3.75	3.83	3.51	3.84	5.83	3.42	3.80	3.65	3.52	3.74	3.95
OU2MW-11I	20.0 - 25.0	3.57	3.65	3.38	3.75	3.81	3.44	3.84	5.76	3.33	3.85	3.63	3.52	3.79	4.03
OU2MW-11I2	30.0 - 35.0	3.55	3.62	3.25	3.71	3.76	3.46	3.81	5.75	3.38	3.75	3.61	3.46	3.58	3.91
OU2MW-11D	40.0 - 45.0	3.54	3.61	3.35	3.72	3.77	3.55	3.80	5.70	3.36	3.74	3.11	3.45	3.68	3.88
OU2MW-12S	3.0 - 7.0	3.01	2.88	2.63	3.23	3.12	2.74	3.03	5.02	2.79	3.32	3.02	2.75	3.12	3.31
OU2MW-12I	20.0 - 25.0	3.05	3.00	2.69	3.19	3.29	2.87	3.29	5.18	2.83	3.42	3.06	2.85	3.12	3.38
OU2MW-12I2	30.0 - 35.0	3.03	2.91	2.61	3.13	3.16	3.01	3.20	5.07	2.80	3.42	3.07	2.81	3.14	3.31
OU2MW-12D	40.0 - 45.0	3.02	2.91	2.62	3.15	3.15	2.84	3.19	5.04	2.80	3.41	3.08	2.81	3.13	3.30
OU2MW-13S	3.0 - 8.0	2.29	1.96	1.64	2.23	2.13	1.92	2.23	3.72	1.89	2.65	2.29	1.81	2.15	2.47
OU2MW-13I	20.0 - 25.0	2.30	1.95	1.61	2.15	2.09	1.89	2.30	3.70	1.83	2.71	2.37	1.81	2.10	2.44
OU2MW-13D	35.0 - 40.0	2.29	1.94	1.58	2.12	2.08	1.85	2.25	3.68	1.83	2.74	2.32	1.79	2.20	2.43
OU2MW-14S	3.0 - 8.0	7.78	8.35	8.21	8.52	8.54	7.85	8.78	10.06	7.81	7.80	8.11	8.33	8.11	8.31

Table 3-4. OU-2 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 2

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level													
		Aug-08	Nov-08	Jan-09	May-09	Jul-09	Oct-09	Jan-10	Apr-10	Jul-10	Oct-10	Jan-11	Apr-11	Jul-11	Oct-11
OU2MW-14I	20.0 - 25.0	8.04	8.61	8.47	8.75	8.77	8.13	9.00	10.30	7.99	8.05	8.35	8.57	8.40	8.57
OU2MW-14I2	40.0 - 45.0	8.05	8.61	8.46	8.74	8.80	8.09	9.01	10.35	7.99	8.10	8.45	8.61	8.40	NC
OU2MW-15S	3.0 - 8.0	2.37	2.37	2.00	2.44	2.56	2.29	2.40	4.58	2.22	2.63	2.27	2.15	2.17	2.66
OU2MW-15I	20.0 - 25.0	2.37	2.38	2.02	2.47	2.59	2.49	2.41	4.58	2.24	2.60	2.30	2.66	2.47	2.59
OU2MW-15I2	30.0 - 35.0	2.37	2.39	2.00	2.40	2.59	2.26	2.43	4.56	2.23	2.58	2.16	2.05	2.48	2.60
OU2MW-15D	40.0 - 45.0	2.37	2.39	2.02	2.45	2.60	2.30	2.40	4.53	2.26	2.60	2.38	2.22	2.45	2.56
OU2MW-16S	3.0 - 8.0	2.55	2.55	2.11	2.66	2.69	2.41	2.58	4.73	2.34	2.80	NC	2.26	2.66	3.00
OU2MW-16I	15.0 - 20.0	2.48	2.47	2.16	2.58	2.67	2.35	2.49	4.63	2.26	2.75	NC	2.23	2.48	2.78
OU2MW-16I2	25.0 - 30.0	2.49	2.48	2.04	2.56	2.65	2.33	2.50	4.66	2.30	2.76	NC	2.21	2.34	2.55
OU2MW-16D	35.0 - 40.0	2.48	2.48	2.15	2.58	2.66	2.39	2.50	4.67	2.28	2.72	NC	2.21	2.56	2.79
OU2MW-17S	5.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	12.05	12.70	13.56	13.00	12.90
OU2MW-17I	13.0 - 23.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	12.07	12.71	13.50	12.92	12.97
OU2MW-17I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	12.05	12.66	13.47	12.92	12.99
OU2MW-17D	60.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	12.05	12.66	13.35	12.83	12.89
OU2MW-18I	13.0 - 23.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	12.04	12.63	13.83	12.73	12.86
OU2MW-18I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	11.99	12.60	13.79	12.74	12.86
OU2MW-18D	60.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	12.02	12.63	13.87	12.58	12.88
OU2MW-39S	5.0 - 15.0	NC	NC	NC	NC	12.78	11.47	12.52	13.88	11.43	11.22	11.83	12.15	11.76	12.21
OU2MW-39I	25.0 - 30.0	NC	NC	NC	NC	12.26	11.43	12.46	13.86	11.44	11.20	11.82	12.13	11.88	12.27
OU2MW-39I2	45.0 - 50.0	NC	NC	NC	NC	15.26	11.48	12.46	13.86	11.42	11.19	11.83	12.14	11.66	12.07
OU2MW-39D	70.0 - 75.0	NC	NC	NC	NC	12.27	11.45	12.45	13.85	11.43	11.19	11.84	12.13	11.23	12.08
OU2MW-49S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	12.51	13.23	13.58	13.14	13.53
OU2MW-49I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	12.91	13.65	13.99	13.54	13.78
OU2MW-49I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	12.50	13.26	13.58	12.97	13.39
OU2MW-49D	63.0 - 68.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	12.49	12.80	13.57	13.00	13.22
OU2MW-50S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.54	13.24	13.55
OU2MW-50I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.44	13.14	13.52
OU2MW-50I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.53	13.23	13.51
OU2MW-50D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.57	13.25	13.54
OU2MW-51S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.32	13.29	13.46
OU2MW-51I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.28	13.20	13.47
OU2MW-51I2	45.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.40	13.25	13.52
OU2MW-51D	61.0 - 66.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.38	13.27	13.46
OU2MW-54S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	12.29	12.99	13.04	13.07	13.15
OU2MW-54I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	12.22	13.00	14.94	12.93	13.08
OU2MW-54I2	40.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	12.25	12.74	12.55	12.81	13.13
OU2MW-54D	60.0 - 65.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	12.26	13.27	13.28	13.21	13.13
OU2MW-57S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	12.40	12.59	13.44	13.40	13.30
OU2MW-57I	20.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	12.42	12.90	13.46	13.03	NC
OU2MW-57I2	35.0 - 45.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	12.43	13.33	13.44	13.03	13.33
OU2MW-58S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.00	12.89	13.09
OU2MW-58I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.00	12.93	13.05

Table 3-4. OU-2 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 2

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level															
		Jan-12	Apr-12	Apr-13	Apr-14	Apr-15	Jun-16	Apr-17	Jun-18	Apr-19	Oct-20	Jun-21	Jun-22	Jul-23	Minimum	Average	Maximum
BBMW-01S	5.0 - 15.0	13.35	13.26	12.85	14.25	13.14	11.95	13.25	12.52	13.05	12.01	12.28	12.46	11.83	11.83	12.87	14.73
BBMW-01I	32.0 - 42.0	12.82	12.82	12.60	13.73	13.13	11.94	13.27	12.51	13.06	12.04	12.26	13.25	11.85	11.58	12.80	14.74
BBMW-01D	68.5 - 78.5	13.03	12.90	12.86	13.80	13.17	11.97	13.29	12.55	13.08	12.02	12.29	12.45	11.84	11.84	12.85	14.74
BBMW-02S	5.0 - 15.0	11.71	11.41	11.95	12.46	12.05	10.72	12.50	11.55	12.09	11.12	11.40	11.50	10.93	10.72	11.78	13.60
BBMW-02I	30.0 - 40.0	11.76	11.65	12.22	12.66	12.31	11.05	12.48	11.57	12.09	11.11	11.36	11.49	10.91	10.91	11.81	13.59
BBMW-02D	73.0 - 83.0	11.87	11.74	12.34	12.69	12.13	11.38	12.46	11.54	12.07	11.07	11.41	11.49	10.89	10.89	11.79	13.60
BBMW-03S	3.0 - 13.0	7.98	7.76	8.05	8.98	8.14	7.37	8.37	7.77	8.05	7.44	7.55	7.71	7.28	7.28	7.93	9.68
BBMW-03I	30.0 - 40.0	7.87	7.59	8.04	8.77	8.10	7.38	8.38	7.77	8.07	7.44	7.56	7.68	7.12	7.12	7.92	9.68
BBMW-03D	52.0 - 62.0	7.87	7.64	8.12	8.94	8.15	7.39	8.40	7.76	8.05	7.44	7.59	7.65	7.29	7.29	7.93	9.70
BBMW-04D	63.0 - 73.0	14.40	14.29	14.62	13.59	14.50	13.23	14.79	14.24	NC	NC	14.46	NC	NA	10.72	14.07	16.04
BBMW-07S	5.0 - 15.0	5.53	5.33	5.77	6.59	5.79	5.19	6.30	5.65	5.68	5.39	5.44	5.54	NA	4.18	5.71	7.77
BBMW-07I	30.0 - 40.0	5.47	5.31	5.79	6.60	5.79	5.20	6.30	5.63	5.68	5.38	5.41	5.42	NA	5.13	5.72	7.76
BBMW-07D	55.0 - 65.0	5.47	5.37	5.83	6.58	5.79	5.17	6.31	5.64	5.69	5.41	5.41	5.56	NA	5.11	5.72	7.73
BBMW-15S	5.0 - 15.0	10.71	10.53	10.85	11.35	10.83	9.87	11.19	10.32	10.81	9.89	10.16	10.30	9.66	9.66	10.53	12.16
BBMW-15I	35.0 - 45.0	10.55	10.18	10.61	10.32	10.83	9.84	11.17	NC	NC	9.86	10.10	10.41	9.62	9.62	10.46	12.13
BBMW-15I2	23.0 - 28.0	10.47	10.24	10.65	10.22	10.78	9.79	11.09	NC	NC	9.77	10.05	10.38	9.59	9.59	10.42	12.09
BBMW-15D	70.0 -80.0	10.33	10.06	10.60	10.05	10.78	9.84	11.14	NC	NC	9.81	NC	10.21	9.62	9.62	10.44	12.11
BBMW-16S	5.0 - 15.0	12.95	9.56	9.82	10.44	10.07	9.18	10.30	9.69	10.11	9.86	9.43	9.43	9.71	9.04	10.07	14.62
BBMW-16I	35.0 - 45.0	13.26	9.96	10.04	11.03	10.13	9.11	6.75	9.66	10.20	9.30	9.43	9.63	9.18	6.75	9.98	15.14
BBMW-16D	68.0 - 78.0	12.89	9.58	10.08	10.60	10.17	9.55	10.27	9.70	10.17	10.35	9.48	9.66	9.16	9.03	9.99	12.89
BBMW-23S	5.0 - 15.0	13.14	12.71	13.23	14.06	14.08	12.31	13.64	12.89	13.44	12.68	12.66	12.81	12.13	10.35	13.14	15.14
BBMW-23I	33.0 - 43.0	13.06	12.66	13.16	14.04	13.46	12.24	13.62	12.79	13.39	12.28	12.64	12.75	12.08	10.48	13.10	15.09
BBMW-23D	49.5 - 59.5	13.10	12.65	13.12	14.21	13.56	12.85	13.67	12.87	13.47	12.39	12.70	12.77	12.15	10.29	13.15	15.13
BBMW-23D2	63.0 - 73.0	12.71	12.21	12.73	13.99	13.50	12.29	13.63	12.84	13.42	12.32	12.69	12.72	12.09	10.31	13.07	15.13
BBMW-24S	4.0 - 14.0	11.24	10.74	11.27	12.04	11.48	10.35	11.80	10.88	11.34	10.45	10.70	10.84	10.27	9.41	11.00	12.89
BBMW-24I	32.0 - 42.0	11.03	10.69	11.10	12.04	11.30	10.21	11.62	10.83	11.20	10.28	10.50	10.68	10.09	9.44	10.91	12.70
BBMW-24D	59.5 - 69.5	10.96	10.38	10.99	11.96	11.21	10.14	11.53	10.65	11.11	10.22	10.40	10.63	9.98	9.44	10.87	12.63
BBMW-25S	4.0 - 14.0	8.29	9.40	8.55	9.60	8.69	7.76	8.98	8.21	8.55	7.88	8.01	8.20	7.94	7.23	8.34	10.40
BBMW-25I	25.0 - 35.0	8.30	9.29	8.57	9.58	8.68	7.78	8.98	8.24	8.57	7.85	7.99	8.29	7.69	7.25	8.35	10.37
BBMW-25D	62.0 - 72.0	8.20	9.22	8.52	9.47	8.65	7.72	8.99	8.13	8.57	7.84	7.99	8.13	7.65	7.18	8.33	10.35
GM-05S	5.1 - 20.1	3.18	3.76	3.09	3.65	2.91	2.71	3.46	3.04	2.87	3.01	2.76	2.85	2.97	2.12	3.00	4.57
GM-05I	35.05 - 48.05	3.42	4.40	3.32	3.80	3.07	2.91	3.65	3.27	3.11	3.14	2.94	3.29	3.30	2.28	3.18	4.82
GM-05D	60.95 - 75.95	7.87	7.64	7.87	5.85	NM	2.91	7.87	8.31	NC	9.30	9.30	9.30	9.30	2.91	7.59	9.30
GM-06S	8.97 - 23.97	3.01	3.15	3.52	4.42	3.51	3.11	4.19	3.55	3.38	3.45	3.42	3.50	3.44	2.59	3.52	5.56
GM-06I	35.40 - 40.40	3.24	3.16	3.54	4.47	3.50	3.11	4.21	3.57	3.38	3.42	3.29	3.48	3.42	2.60	3.55	5.57
GM-06D	60.05 - 75.05	3.06	3.36	3.55	4.45	3.48	3.12	4.20	3.57	3.37	3.42	3.34	3.55	3.45	2.71	3.53	5.57
GM-07S	9.75 - 24.75	2.35	2.41	2.71	3.41	2.48	2.42	3.28	2.79	2.47	2.63	2.44	2.69	2.81	1.40	2.62	4.41
GM-07I	29.6 - 44.6	2.30	2.42	2.68	3.21	2.25	2.21	3.05	2.59	2.25	2.40	2.30	2.42	2.73	1.32	2.58	4.39
GM-07D	50.3 - 65.3	2.30	2.40	2.70	3.63	2.69	2.64	3.48	3.00	2.57	2.83	2.66	2.90	2.80	1.52	2.70	4.36
GM-08S	6.35 - 21.35	0.90	0.83	1.35	1.98	0.86	0.92	1.60	1.11	1.09	1.21	1.57	NC	NA	0.37	1.09	2.81
GM-08I	29.95 - 44.95	0.71	0.94	1.43	1.78	0.84	0.96	1.62	1.13	0.96	1.18	0.94	0.66	NA	0.53	1.07	2.81
GM-08D	48.25 - 63.25	0.72	0.92	1.34	2.01	0.85	0.93	1.62	1.12	0.96	1.00	0.93	NC	NA	0.26	1.07	2.80
GM-09S	20.0 - 25.0	0.83	0.27	0.92	1.32	0.63	0.89	1.63	1.03	0.81	1.10	0.81	NC	NA	0.26	0.77	1.63
GM-09I	40.0 - 45.0	0.41	0.49	0.93	1.40	0.60	0.77	1.62	1.01	0.82	1.09	0.75	NC	NA	0.26	0.77	1.73
GM-09D	48.35 - 63.35	0.79	0.68	0.59	1.28	0.61	0.87	1.65	1.03	0.82	1.08	0.78	NC	NA	0.02	0.85	1.73

Table 3-4. OU-2 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 2

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level															
		Jan-12	Apr-12	Apr-13	Apr-14	Apr-15	Jun-16	Apr-17	Jun-18	Apr-19	Oct-20	Jun-21	Jun-22	Jul-23	Minimum	Average	Maximum
GM-10AD	unknown	1.47	1.47	1.82	2.47	1.55	1.61	2.41	1.91	1.48	1.86	1.63	1.82	1.94	1.08	1.79	3.43
GMP-01	25.0 - 30.0	3.64	3.13	3.53	4.13	3.36	3.09	3.86	3.51	3.35	3.32	3.14	3.38	3.38	2.97	3.46	5.40
GMP-02	18.0 - 23.0	2.95	2.49	2.80	3.36	2.60	3.09	3.13	2.82	2.58	NC	2.43	2.73	2.94	2.24	2.77	4.76
GMP-04	15.5 - 20.5	1.36	1.34	NC	1.53	1.38	1.38	0.34	1.54	1.25	NC	0.93	1.57	1.54	0.34	1.32	2.80
MW-16AS	3.0 - 13.0	10.56	10.55	10.94	11.71	11.15	11.15	11.48	10.59	11.10	10.07	10.40	10.62	9.93	9.93	10.81	12.48
OU2-IW01S	3.0 - 8.0	0.95	2.01	3.01	2.40	2.79	2.79	3.32	3.01	2.69	3.03	2.57	2.87	9.79	0.95	3.06	9.79
OU2MW-01WT	3.0 - 8.0	8.35	9.35	8.50	9.66	8.74	8.74	8.99	8.27	8.57	7.89	8.04	NC	8.01	7.74	8.53	10.29
OU2MW-01S	20.0 - 25.0	8.20	8.11	8.19	9.16	8.46	8.46	8.79	8.00	8.37	7.66	7.84	7.98	7.52	7.52	8.30	10.18
OU2MW-01I	35.0 - 40.0	8.29	8.28	8.36	9.28	8.47	8.47	8.83	8.04	8.39	7.78	7.85	8.01	7.56	7.56	8.39	10.25
OU2MW-01I2	50.0 - 55.0	8.28	8.21	8.30	9.23	8.42	NC	8.76	12.28	NC	NC	7.77	7.90	7.46	7.46	8.43	12.28
OU2MW-01D	65.0 - 70.0	8.24	8.12	8.32	9.05	10.01	NC	10.17	12.35	NC	NC	9.01	9.34	8.73	8.12	9.60	12.35
OU2MW-02S	20.0 - 25.0	8.28	8.45	8.23	9.08	8.37	7.48	8.61	7.99	8.28	7.62	7.69	7.92	7.45	7.45	8.22	9.99
OU2MW-02I	35.0 - 40.0	8.25	8.50	8.27	9.38	8.34	7.37	8.60	7.96	8.27	7.65	7.70	7.92	7.45	7.37	8.23	10.03
OU2MW-02I2	50.0 - 55.0	7.99	8.43	8.23	9.54	8.33	5.95	8.58	7.94	8.25	7.59	7.71	7.86	7.43	5.95	8.15	9.99
OU2MW-02D	65.0 - 70.0	8.26	8.26	7.98	9.23	8.66	7.43	8.92	8.32	8.65	8.05	8.15	8.38	8.05	7.43	8.42	10.14
OU2MW-03S	20.0 - 25.0	6.73	6.81	6.83	8.32	6.85	6.12	7.31	6.54	6.78	6.34	6.31	NC	6.18	6.12	6.81	8.84
OU2MW-03I	35.0 - 40.0	6.79	6.75	6.79	8.26	6.85	6.10	7.33	6.50	6.72	6.27	6.34	NC	6.17	6.10	6.81	8.86
OU2MW-03I2	50.0 - 55.0	6.69	6.64	6.77	8.18	6.84	6.05	7.31	6.48	6.69	6.23	7.03	NC	6.14	6.05	6.77	8.32
OU2MW-03D	65.0 - 70.0	6.72	6.64	6.73	8.13	8.66	6.15	8.98	8.17	8.74	7.94	7.16	NC	7.51	6.15	8.09	10.63
OU2MW-04WT	3.0 - 8.0	6.44	6.38	6.49	7.64	6.59	5.79	7.05	6.14	6.36	6.01	7.02	6.23	NA	5.79	6.49	8.55
OU2MW-04S	20.0 - 25.0	6.56	6.38	6.36	7.43	6.59	6.59	7.17	6.26	6.49	6.05	7.08	6.25	5.97	5.60	6.50	8.37
OU2MW-04I	35.0 - 40.0	6.50	6.38	6.33	7.55	6.56	6.56	7.15	6.27	6.49	6.04	6.20	6.23	5.96	5.94	6.51	8.58
OU2MW-04I2	50.0 - 55.0	6.73	6.21	6.34	7.45	6.55	6.55	7.13	6.25	6.49	6.03	6.13	6.22	5.95	5.88	6.50	8.55
OU2MW-04D	65.0 - 70.0	6.69	6.18	6.48	7.42	6.57	6.57	7.15	6.27	6.48	6.00	6.01	6.21	5.99	5.99	6.51	8.56
OU2MW-05	25.0 - 35.0	3.83	3.73	4.14	4.92	4.03	4.03	4.55	4.07	4.12	3.91	3.95	4.00	4.00	-1.05	3.99	6.14
OU2MW-06S	3.0 - 8.0	2.48	1.94	2.39	3.08	2.14	2.14	2.57	2.40	2.13	2.20	1.89	2.27	2.33	1.28	2.28	4.07
OU2MW-06	25.0 - 35.0	2.13	2.86	2.37	3.11	2.10	2.10	2.73	2.40	2.07	2.17	1.93	2.26	2.41	0.81	2.27	4.11
OU2MW-07S	3.0 - 8.0	1.65	1.51	2.33	2.77	2.01	2.01	2.29	2.27	2.02	2.09	1.64	2.19	2.17	1.50	2.12	3.67
OU2MW-07	15.0 - 25.0	1.58	1.48	2.26	2.79	1.99	1.99	2.22	2.23	1.95	2.05	1.61	2.14	2.14	1.45	2.05	3.79
OU2MW-08WT	3.0 - 8.0	8.46	8.53	8.81	9.68	8.83	8.83	9.16	8.33	8.73	8.04	8.21	8.41	7.89	7.87	8.57	10.26
OU2MW-08S	20.0 - 25.0	8.47	8.48	8.69	9.37	9.18	9.18	9.15	8.32	8.72	7.99	8.15	8.26	7.86	7.85	8.59	10.28
OU2MW-08I	35.0 - 40.0	8.48	8.49	8.63	9.38	8.78	8.78	9.14	8.29	8.71	7.94	8.11	8.25	7.80	7.80	8.56	10.24
OU2MW-08I2	50.0 - 55.0	8.45	8.58	8.79	9.43	8.77	8.77	9.15	8.34	8.74	8.00	8.16	8.34	7.85	7.85	8.62	10.27
OU2MW-08D	65.0 - 70.0	9.34	8.93	9.49	9.60	9.68	9.68	9.98	9.13	9.71	8.78	8.87	9.13	8.58	8.31	9.32	11.06
OU2MW-09	20.0 - 30.0	7.87	7.75	8.03	8.81	8.14	7.36	8.36	7.77	8.05	7.43	7.52	7.62	7.25	6.96	7.91	9.67
OU2MW-10S	3.0 - 7.0	0.91	2.09	2.44	3.18	2.21	2.17	2.85	2.54	2.20	2.36	2.01	2.21	2.50	0.91	2.40	4.52
OU2MW-10I	20.0 - 25.0	1.00	2.00	2.45	3.32	2.32	2.17	3.00	2.57	2.19	2.36	2.22	2.37	2.51	1.00	2.42	4.55
OU2MW-10D	35.0 - 40.0	1.03	2.15	2.38	3.22	2.23	2.13	3.11	2.51	2.17	2.32	2.19	2.37	2.48	1.03	2.41	4.50
OU2MW-11S	3.0 - 8.0	3.47	3.36	3.80	4.60	3.66	3.38	4.17	3.76	3.40	3.57	3.42	3.67	3.59	3.29	3.74	5.83
OU2MW-11I	20.0 - 25.0	3.54	3.45	3.82	4.60	3.60	3.50	4.14	3.74	3.57	3.54	3.35	3.62	3.56	3.26	3.74	5.76
OU2MW-11I2	30.0 - 35.0	3.37	3.26	3.58	4.48	3.53	2.88	4.12	-3.30	3.42	3.50	3.29	3.57	3.54	-3.30	3.42	5.75
OU2MW-11D	40.0 - 45.0	3.45	3.35	3.73	4.51	3.56	3.31	4.11	3.73	3.52	3.48	3.35	3.53	3.54	3.11	3.67	5.70
OU2MW-12S	3.0 - 7.0	2.71	2.70	3.14	3.80	2.97	2.76	3.47	3.13	2.91	2.98	2.75	2.99	3.03	2.63	3.07	5.02
OU2MW-12I	20.0 - 25.0	2.68	2.66	3.23	3.81	2.96	2.84	3.50	3.26	2.94	2.96	2.76	3.01	3.08	2.66	3.13	5.18
OU2MW-12I2	30.0 - 35.0	2.76	2.78	3.13	3.86	3.00	2.82	3.49	3.21	2.96	2.97	2.75	2.95	3.10	2.61	3.11	5.07
OU2MW-12D	40.0 - 45.0	2.53	2.55	3.11	3.79	2.95	2.74	3.47	3.17	2.95	2.99	2.78	3.04	3.08	2.53	3.09	5.04
OU2MW-13S	3.0 - 8.0	1.47	1.69	2.17	2.61	2.07	1.88	2.53	NC	NC	NC	1.91	2.28	1.78	1.47	2.15	3.72
OU2MW-13I	20.0 - 25.0	1.54	1.90	2.40	2.54	2.08	1.83	2.32	2.31	2.15	2.27	1.75	2.29	2.21	1.54	2.16	3.70
OU2MW-13D	35.0 - 40.0	1.64	2.05	2.35	2.49	2.06	1.80	2.31	2.31	2.06	2.24	1.75	2.25	2.12	1.58	2.15	3.68
OU2MW-14S	3.0 - 8.0	7.99	8.18	8.38	10.13	8.88	7.66	8.84	8.14	8.76	7.77	7.86	8.06	7.90	7.64	8.30	10.13

Table 3-4. OU-2 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 2

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level															
		Jan-12	Apr-12	Apr-13	Apr-14	Apr-15	Jun-16	Apr-17	Jun-18	Apr-19	Oct-20	Jun-21	Jun-22	Jul-23	Minimum	Average	Maximum
OU2MW-14I	20.0 - 25.0	8.34	8.34	8.66	10.33	9.20	7.83	9.09	8.30	8.74	8.00	8.16	8.35	8.50	7.83	8.59	10.33
OU2MW-14I2	40.0 - 45.0	8.54	8.47	8.67	10.37	9.21	7.87	9.14	8.29	8.73	8.02	8.16	8.31	7.95	7.87	8.59	10.37
OU2MW-15S	3.0 - 8.0	1.68	1.72	2.48	3.45	1.25	2.16	3.04	2.57	2.19	2.39	2.23	NC	2.52	1.25	2.41	4.58
OU2MW-15I	20.0 - 25.0	2.02	1.97	2.45	3.39	2.24	2.18	3.03	2.57	2.17	2.41	2.26	NC	2.54	1.97	2.50	4.58
OU2MW-15I2	30.0 - 35.0	2.00	2.01	2.43	3.28	2.19	2.12	2.96	2.50	2.13	2.33	2.27	NC	2.52	2.00	2.45	4.56
OU2MW-15D	40.0 - 45.0	2.16	2.15	2.48	-2.49	2.34	2.21	3.12	2.64	2.26	2.48	2.26	NC	2.55	-2.49	2.31	4.53
OU2MW-16S	3.0 - 8.0	2.34	2.17	2.55	3.44	2.40	2.35	3.13	2.72	2.36	2.51	2.39	2.51	2.66	2.11	2.64	4.73
OU2MW-16I	15.0 - 20.0	2.29	2.21	2.53	3.43	2.34	2.29	3.09	2.68	2.31	2.48	2.31	2.42	2.59	2.12	2.58	4.63
OU2MW-16I2	25.0 - 30.0	2.23	2.19	2.55	3.41	2.32	1.83	3.08	2.67	2.27	2.49	2.30	2.33	2.61	1.83	2.54	4.66
OU2MW-16D	35.0 - 40.0	3.51	2.18	2.69	3.41	2.36	2.16	3.07	2.67	2.32	2.47	2.37	2.57	2.60	2.14	2.63	4.67
OU2MW-17S	5.0 - 10.0	12.69	12.44	12.86	13.80	13.13	11.98	13.22	12.54	13.05	12.08	12.38	12.45	11.90	11.90	12.71	13.80
OU2MW-17I	13.0 - 23.0	12.83	12.65	12.99	13.68	13.16	11.97	13.23	12.54	13.06	12.13	12.38	12.50	11.96	11.96	12.74	13.68
OU2MW-17I2	35.0 - 45.0	12.76	12.65	12.84	13.65	13.12	11.99	13.22	12.59	13.06	12.10	12.38	12.46	11.90	11.90	12.71	13.65
OU2MW-17D	60.0 - 70.0	12.59	12.53	12.71	13.58	13.10	11.95	13.22	12.53	13.04	12.08	12.36	12.46	11.90	11.90	12.66	13.58
OU2MW-18I	13.0 - 23.0	12.89	12.86	12.92	13.73	13.10	11.94	13.23	12.51	13.02	12.03	12.34	12.42	11.87	11.87	12.72	13.83
OU2MW-18I2	35.0 - 45.0	12.75	12.75	12.87	13.68	13.12	11.94	13.21	12.52	13.01	12.04	12.35	12.44	11.88	11.88	12.70	13.79
OU2MW-18D	60.0 - 70.0	12.72	12.79	12.86	13.60	13.12	11.93	13.22	12.52	13.02	12.03	12.35	12.44	11.87	11.87	12.69	13.87
OU2MW-39S	5.0 - 15.0	12.21	12.26	12.18	12.92	12.32	11.16	12.50	11.72	12.21	11.26	11.49	11.64	11.04	11.04	12.01	13.88
OU2MW-39I	25.0 - 30.0	12.38	12.32	12.15	13.02	12.30	11.15	12.44	11.68	12.20	11.25	11.49	11.66	11.11	11.11	12.00	13.86
OU2MW-39I2	45.0 - 50.0	12.17	12.15	11.99	12.72	12.29	11.16	12.45	11.70	12.21	11.26	11.46	11.65	11.08	11.08	12.07	15.26
OU2MW-39D	70.0 - 75.0	12.13	12.17	11.98	12.88	12.27	11.16	12.45	11.70	12.20	11.24	11.49	11.62	11.06	11.06	11.92	13.85
OU2MW-49S	3.0 - 13.0	13.54	13.29	13.66	14.48	13.75	12.50	13.86	13.07	13.65	12.55	12.92	12.98	12.36	12.36	13.26	14.48
OU2MW-49I	25.0 - 30.0	13.79	13.46	13.82	14.72	14.15	12.87	14.24	13.48	14.04	12.95	13.30	13.38	12.75	12.75	13.60	14.72
OU2MW-49I2	45.0 - 50.0	13.22	12.90	13.23	14.31	13.74	12.48	12.85	13.06	13.64	12.55	12.90	12.92	12.35	12.35	13.10	14.31
OU2MW-49D	63.0 - 68.0	13.38	13.13	13.40	14.39	13.73	12.48	13.83	13.08	13.64	12.55	12.91	12.98	12.35	12.35	13.16	14.39
OU2MW-50S	5.0 - 15.0	13.48	13.43	13.48	14.40	13.88	12.64	13.94	13.21	13.70	13.85	13.16	13.17	12.54	12.54	13.45	14.40
OU2MW-50I	25.0 - 30.0	13.36	13.28	13.44	14.34	13.81	12.62	13.85	13.21	13.70	12.70	13.04	13.06	12.71	12.62	13.33	14.34
OU2MW-50I2	45.0 - 50.0	13.43	13.33	13.47	14.30	13.83	12.56	13.88	13.16	13.69	12.69	13.04	13.05	12.47	12.47	13.32	14.30
OU2MW-50D	65.0 - 70.0	13.55	13.48	13.51	14.31	13.85	12.60	13.84	13.20	13.69	12.69	13.04	13.10	12.48	12.48	13.36	14.31
OU2MW-51S	5.0 - 15.0	13.33	13.42	13.47	14.28	13.65	12.80	13.78	13.24	13.60	13.73	13.47	13.08	12.48	12.48	13.40	14.28
OU2MW-51I	25.0 - 30.0	13.40	13.34	13.47	14.10	13.74	12.59	13.72	13.13	13.63	12.68	12.97	13.03	12.43	12.43	13.26	14.10
OU2MW-51I2	45.0 - 50.0	13.45	13.41	13.53	14.30	13.79	12.58	13.78	13.15	13.68	12.74	13.04	13.10	12.48	12.48	13.33	14.30
OU2MW-51D	61.0 - 66.0	13.42	13.40	13.41	14.61	13.74	12.56	13.82	13.15	13.64	12.64	13.01	13.03	12.45	12.45	13.31	14.61
OU2MW-54S	5.0 - 15.0	13.19	12.77	13.42	14.13	13.45	12.70	13.59	13.03	13.41	12.33	12.69	12.74	12.10	12.10	13.01	14.13
OU2MW-54I	25.0 - 30.0	13.04	12.73	13.20	14.13	13.44	12.25	13.59	12.83	13.37	12.27	12.69	12.73	12.08	12.08	13.03	14.94
OU2MW-54I2	40.0 - 45.0	13.07	12.55	13.18	13.99	13.47	12.27	13.59	12.81	13.38	12.29	12.67	12.74	12.10	12.10	12.87	13.99
OU2MW-54D	60.0 - 65.0	13.35	12.85	13.21	14.18	13.45	12.36	13.58	12.80	13.38	12.33	12.66	12.72	12.09	12.09	13.01	14.18
OU2MW-57S	5.0 - 15.0	13.61	12.94	13.34	14.94	13.65	12.41	13.82	12.99	13.54	12.43	12.79	12.89	12.23	12.23	13.15	14.94
OU2MW-57I	20.0 - 30.0	13.16	12.68	13.17	14.59	13.65	12.39	13.54	12.99	13.54	12.48	12.82	12.88	12.28	12.28	13.06	14.59
OU2MW-57I2	35.0 - 45.0	13.40	12.79	13.40	14.79	13.66	12.39	13.98	12.96	13.54	12.44	12.80	12.90	12.27	12.27	13.16	14.79
OU2MW-58S	5.0 - 15.0	13.71	12.72	13.11	14.55	13.35	12.24	13.46	12.75	13.49	12.39	12.61	12.72	12.15	12.15	13.01	14.55
OU2MW-58I	25.0 - 30.0	13.07	12.60	13.14	14.49	13.30	12.20	13.41	12.75	13.21	12.31	12.58	12.71	12.09	12.09	12.93	14.49

Notes:
NC - Not Calculated
bgs - below ground surface
Well Elevations obtained from 2007 survey or later and reference NAVD88

Table 3-5. OU-3 Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2022/2023 Annual GM and OM Report
Operable Unit No. 3
July 7, 2023

Well ID	Well Elevation[1] (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
BBMW-28S	16.43	3.68	12.75	
BBMW-28I	16.43	3.62	12.81	
BBMW-29	15.82	4.49	11.33	
BBMW-30S	16.02	3.18	12.84	
BBMW-30I	15.69	2.82	12.87	
BBMW-30D	16.53	3.67	12.86	
BBMW-31S	13.49	3.31	10.18	
BBMW-31I	13.33	3.11	10.22	
BBMW-31D	13.37	3.20	10.17	
BBMW-32S	14.44	2.92	11.52	
BBMW-32I	15.50	3.05	12.45	
BBMW-32D	14.54	3.07	11.47	
BBMW-33	16.58	NM	NA	
MW-03	19.30	5.40	13.90	
MW-04	19.16	4.88	14.28	
MW-29S	18.34	3.68	14.66	
MW-29D	18.44	3.76	14.68	
MW-30WR	14.83	3.18	11.65	
MW-32W/WR	14.65	1.96	12.69	
MW-34S	15.69	2.80	12.89	
MW-34I	15.73	3.11	12.62	
MW-34D	15.58	2.99	12.59	
MW-45W	15.20	NM	NA	Well inaccessible
MW-46W-R	15.40	2.54	12.86	
MW-64	16.03	2.63	13.40	
MW-65	15.62	NM	NA	Well inaccessible
MW-83	15.02	NM	NA	Well inaccessible
MWBS-02S	13.58	3.14	10.44	
MWBS-02I	13.46	NM	NA	
MWBS-02D	13.54	3.32	10.22	
OU3MW-01S	15.56	NM	NA	Well inaccessible
OU3MW-02S	15.16	2.43	12.73	
OU3MW-02I	15.14	2.54	12.60	
OU3MW-04S	14.80	2.84	11.96	
OU3MW-04I	14.76	2.81	11.95	
OU3MW-04D	14.84	2.93	11.91	
OU3MW-05S	15.96	3.94	12.02	
OU3MW-05I	15.90	3.91	11.99	
OU3MW-08S	21.28	4.40	16.88	
OU3MW-08I	21.42	4.69	16.73	
OU3MW-09S	21.31	4.50	16.81	
OU3MW-09I	21.41	4.62	16.79	
OU3MW-09I2	21.24	4.30	16.94	
OU3MW-10I	21.70	5.10	16.60	
OU3MW-11S	21.64	5.02	16.62	
OU3MW-11I	21.62	NM	NA	Bolts seized in well in-place
OU3MW-12S	22.05	5.05	17.00	
OU3MW-12I	22.07	5.00	17.07	
OU3MW-13S	15.51	2.13	13.38	
OU3MW-16S	21.42	4.08	17.34	
PDMW-01	19.29	5.24	14.05	
BBSW-13	13.07	2.58	10.49	Surface Water Gauging Station at O-Co-Nee Pond

Notes:
1 - Well Elevations obtained from 2007 survey or later and reference NAVD88 datum
MSL - Mean Sea Level
NM - Not Measured
NA - Not Applicable

Table 3-6. OU-3 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 3

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level												
		Dec-78	Oct-92	Jun-97	Aug-97	Mar-98	Jun-98	Nov-99	Jun-01	Jul-01	Oct-01	Jun-02	Aug-02	Nov-02
BBMW-09S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	14.17	NC	NC	NC	14.84	12.61	14.85
BBMW-09I	30.0 - 40.0	NC	NC	NC	NC	NC	NC	14.17	NC	NC	NC	14.82	12.60	14.84
BBMW-09D	62.0 - 72.0	NC	NC	NC	NC	NC	NC	14.08	NC	NC	NC	14.78	12.61	14.81
BBMW-28S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-28I	10.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-29	2.0 - 9.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-30S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-30I	14.0 -19.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-30D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-31S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-31I	14.0 -19.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-31D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-32S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-32I	14.0 -19.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-32D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-33	7.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-03	4.94 - 14.94	NC	NC	15.19	14.34	16.2	15.65	14.8	NC	NC	NC	13.53	13.18	15.32
MW-04	5.1 - 15.1	NC	NC	NC	14.09	NC	15.38	14.59	NC	NC	NC	14.85	12.98	16.28
MW-29S	5.0 - 10.0	NC	NC	NC	NC	NC	NC	15.12	NC	NC	NC	NC	13.55	15.69
MW-29D	14.0 - 19.0	NC	NC	NC	NC	16.52	NC	15.11	NC	NC	NC	NC	13.53	15.68
MW-30WR	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-32W/WR	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-34S	2.0 - 10.0	NC	NC	13.42	12.76	14.2	13.64	NC	NC	NC	NC	NC	NC	NC
MW-34I	18.5 - 19.5	NC	NC	NC	12.77	14.17	13.66	13.12	NC	NC	NC	13.05	NC	NC
MW-34D	27.5 - 28.5	NC	NC	NC	12.78	14.64	13.68	13.12	NC	NC	NC	13.07	NC	NC
MW-45W	2.0 - 10.0	NC	NC	13.55	12.85	14.34	13.82	NC	NC	NC	NC	NC	NC	NC
MW-46W-R	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-64	19.0 - 24.0	NC	NC	NC	NC	15.4	14.85	13.94	NC	NC	NC	NC	NC	NC
MW-65	11.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-6. OU-3 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 3

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level												
		Dec-78	Oct-92	Jun-97	Aug-97	Mar-98	Jun-98	Nov-99	Jun-01	Jul-01	Oct-01	Jun-02	Aug-02	Nov-02
MW-83	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MWBS-02S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MWBS-02I	14.5 - 15.5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MWBS-02D	24.5 - 25.5	NC	NC	NC	10.39	11.57	11.32	11.00	NC	NC	NC	11.30	NC	NC
OU3MW-01S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-02S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-02I	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04S	1.5 - 11.5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04I	16.0 - 21.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04D	26.0 - 31.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-05S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-05I	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-08S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-08I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-09S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-09I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-09I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-10S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-10I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-11S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-11I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-12S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-12I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-13S	20. - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-16S	2.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
PDMW-01	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-6. OU-3 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 3

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level												
		Mar-03	Jul-03	Sep-03	Oct-03	Jan-04	Apr-04	Aug-04	Oct-04	Feb-05	May-05	Aug-05	Nov-05	Feb-06
BBMW-09S	5.0 - 15.0	15.27	15.28	14.22	NC	14.65	15.41	14.05	14.48	15.17	14.99	13.79	15.55	15.43
BBMW-09I	30.0 - 40.0	15.27	15.25	14.22	NC	14.64	15.39	14.04	14.47	15.16	14.97	13.80	15.54	15.42
BBMW-09D	62.0 - 72.0	15.25	15.28	14.22	NC	14.63	16.37	14.04	14.48	15.16	14.99	13.80	15.52	15.42
BBMW-28S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	14.31	14.05	12.96	14.45	14.35
BBMW-28I	10.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	14.28	14.04	12.94	14.45	14.34
BBMW-29	2.0 - 9.0	NC	NC	NC	NC	NC	NC	NC	NC	12.41	12.22	11.28	12.53	12.46
BBMW-30S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-30I	14.0 -19.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-30D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-31S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-31I	14.0 -19.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-31D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-32S	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-32I	14.0 -19.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-32D	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
BBMW-33	7.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-03	4.94 - 14.94	15.98	16.00	15.02	NC	15.31	16.77	14.67	15.18	15.85	15.73	14.49	16.28	16.15
MW-04	5.1 - 15.1	19.16	15.84	14.89	NC	NC	16.61	14.57	15.19	15.55	15.55	14.34	16.13	15.90
MW-29S	5.0 - 10.0	16.30	16.24	15.35	NC	15.64	17.84	15.09	15.48	16.17	16.02	14.84	16.53	16.39
MW-29D	14.0 - 19.0	16.34	NC	15.34	NC	15.65	17.03	15.08	15.48	16.15	16.01	14.83	16.52	16.38
MW-30WR	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	15.30	15.09	14.17	15.40	15.34
MW-32W/WR	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	13.57	13.36	12.36	13.72	13.6
MW-34S	2.0 - 10.0	14.13	14.07	13.01	NC	13.52	14.8	12.97	13.28	14.00	13.73	12.73	14.12	14.03
MW-34I	18.5 - 19.5	14.08	14.02	12.98	NC	13.48	14.76	12.92	13.25	13.97	13.72	12.74	14.12	14.01
MW-34D	27.5 - 28.5	14.07	14.03	12.98	NC	13.47	14.8	12.93	13.26	13.97	13.72	12.75	14.13	14.01
MW-45W	2.0 - 10.0	NC	NC	13.32	NC	13.71	14.87	13.20	13.40	14.13	13.97	12.85	14.26	14.15
MW-46W-R	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-64	19.0 - 24.0	NC	NC	13.95	NC	14.87	15.77	13.85	14.21	NC	14.73	13.58	15.09	15.07
MW-65	11.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-6. OU-3 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 3

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level												
		Mar-03	Jul-03	Sep-03	Oct-03	Jan-04	Apr-04	Aug-04	Oct-04	Feb-05	May-05	Aug-05	Nov-05	Feb-06
MW-83	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MWBS-02S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	10.77	10.97	11.58	11.44	10.59	11.70	11.6
MWBS-02I	14.5 - 15.5	NC	NC	NC	NC	NC	NC	10.69	10.91	11.57	11.42	10.55	11.66	11.6
MWBS-02D	24.5 - 25.5	NC	NC	NC	NC	NC	NC	10.69	10.95	11.45	11.44	10.61	11.73	11.6
OU3MW-01S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-02S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-02I	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04S	1.5 - 11.5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04I	16.0 - 21.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04D	26.0 - 31.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-05S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-05I	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-08S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-08I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-09S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-09I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-09I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-10S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-10I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-11S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-11I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-12S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-12I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-13S	20. - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-16S	2.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
PDMW-01	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-6. OU-3 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 3

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level												
		May-06	Jul/Aug-06	Nov-06	Jan-07	May-07	Jul/Aug-07	Oct/Nov-07	Jan-08	Apr-08	Aug-08	Nov-08	Jan-09	May-09
BBMW-09S	5.0 - 15.0	14.93	14.63	15.09	15.02	15.44	14.67	13.75	14.72	15.29	14.12	14.82	14.86	15.22
BBMW-09I	30.0 - 40.0	14.92	14.63	15.10	15.02	15.44	14.69	13.76	14.72	15.30	14.11	14.81	14.90	15.23
BBMW-09D	62.0 - 72.0	14.93	14.63	15.11	15.01	15.45	14.65	13.74	14.72	15.30	14.12	14.83	14.88	15.24
BBMW-28S	2.0 - 12.0	13.97	13.65	14.11	14.07	14.36	13.72	12.89	13.74	14.28	13.23	13.94	13.92	14.30
BBMW-28I	10.0 - 20.0	13.96	13.63	14.09	14.06	14.34	13.71	12.88	13.73	14.29	13.22	13.94	13.90	14.29
BBMW-29	2.0 - 9.0	12.17	11.80	12.28	12.25	12.53	11.87	11.30	12.03	12.45	11.54	12.21	12.16	12.48
BBMW-30S	2.0 - 10.0	NC	NC	NC	NC	NC	13.68	12.93	13.71	14.22	13.21	13.90	13.87	14.27
BBMW-30I	14.0 -19.0	NC	NC	NC	NC	NC	13.70	12.92	13.67	14.24	13.21	13.91	13.86	14.25
BBMW-30D	30.0 - 35.0	NC	NC	NC	NC	NC	13.67	12.91	13.64	14.20	13.16	13.88	13.83	14.22
BBMW-31S	2.0 - 10.0	NC	NC	NC	NC	NC	10.76	10.51	11.13	11.40	10.46	11.23	11.20	11.48
BBMW-31I	14.0 -19.0	NC	NC	NC	NC	NC	10.77	10.52	11.12	11.40	10.45	11.22	11.18	11.38
BBMW-31D	30.0 - 35.0	NC	NC	NC	NC	NC	10.77	10.52	11.12	11.42	10.46	11.23	11.19	11.38
BBMW-32S	2.0 - 10.0	NC	NC	NC	NC	NC	12.15	11.58	12.29	12.72	11.75	12.45	12.43	12.74
BBMW-32I	14.0 -19.0	NC	NC	NC	NC	NC	13.16	12.59	13.30	13.72	12.74	13.45	13.42	13.74
BBMW-32D	30.0 - 35.0	NC	NC	NC	NC	NC	13.09	11.56	12.26	12.69	11.71	12.42	12.39	12.71
BBMW-33	7.0 - 12.0	NC	13.22	13.72	13.59	13.93	13.24	12.56	13.39	13.85	12.78	13.53	13.48	13.89
MW-03	4.94 - 14.94	15.65	15.38	15.79	15.74	16.16	15.38	14.43	15.39	16.02	14.81	15.49	15.62	15.97
MW-04	5.1 - 15.1	15.45	15.19	15.56	15.52	15.73	15.14	14.20	15.07	NC	14.58	15.27	15.28	NC
MW-29S	5.0 - 10.0	15.91	15.69	16.07	16.00	16.41	15.67	NC	15.66	16.23	15.10	15.76	15.88	16.18
MW-29D	14.0 - 19.0	15.91	15.68	16.06	16.00	16.40	15.66	NC	15.63	16.22	15.08	15.75	15.88	16.16
MW-30WR	2.0 - 10.0	15.03	14.69	15.13	15.10	15.40	14.74	11.83	12.58	13.04	12.07	12.8	12.75	13.14
MW-32W/WR	2.0 - 10.0	13.26	12.96	13.41	13.32	13.64	12.99	12.30	13.09	13.56	12.64	13.28	13.21	NC
MW-34S	2.0 - 10.0	13.59	13.35	13.81	13.75	14.07	13.38	NC	13.48	14.00	12.94	13.68	13.64	14.05
MW-34I	18.5 - 19.5	13.65	13.35	13.80	13.75	14.07	13.38	NC	13.48	13.98	12.94	13.66	13.63	14.02
MW-34D	27.5 - 28.5	13.66	13.35	14.30	13.76	14.08	13.38	NC	13.38	13.98	12.94	13.67	13.67	14.02
MW-45W	2.0 - 10.0	13.78	13.49	13.97	13.88	14.22	13.51	12.79	13.56	NC	NC	13.79	NC	14.16
MW-46W-R	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MW-64	19.0 - 24.0	14.61	14.24	14.75	14.72	14.99	14.35	13.49	14.33	14.95	13.84	14.52	14.58	14.90
MW-65	11.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	14.88	13.75	14.46	14.51	14.87

Table 3-6. OU-3 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 3

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level												
		May-06	Jul/Aug-06	Nov-06	Jan-07	May-07	Jul/Aug-07	Oct/Nov-07	Jan-08	Apr-08	Aug-08	Nov-08	Jan-09	May-09
MW-83	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
MWBS-02S	5.0 - 15.0	11.38	10.93	11.46	11.47	11.65	11.06	10.67	NC	NC	10.61	11.43	11.38	NC
MWBS-02I	14.5 - 15.5	11.39	10.94	11.45	11.45	11.58	10.99	10.63	NC	NC	10.63	11.41	11.34	NC
MWBS-02D	24.5 - 25.5	11.39	10.88	11.47	11.47	11.28	11.05	10.67	NC	NC	10.65	11.42	11.22	NC
OU3MW-01S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-02S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-02I	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04S	1.5 - 11.5	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04I	16.0 - 21.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-04D	26.0 - 31.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-05S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-05I	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-08S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-08I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-09S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-09I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-09I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-10S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-10I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-11S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-11I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-12S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-12I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-13S	20. - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
OU3MW-16S	2.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
PDMW-01	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-6. OU-3 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 3

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level												
		Jul-09	Oct-09	Jan-10	Apr-10	Jul-10	Oct-10	Jan-11	Apr-11	Jul-11	Oct-11	Jan-12	Apr-12	Apr-13
BBMW-09S	5.0 - 15.0	15.06	14.21	15.29	16.78	14.13	13.68	14.44	14.79	14.35	14.70	14.23	14.26	NC
BBMW-09I	30.0 - 40.0	15.09	14.21	15.30	16.77	14.26	13.79	14.54	14.90	14.45	14.81	14.78	14.36	14.52
BBMW-09D	62.0 - 72.0	15.06	14.21	15.28	16.76	14.24	13.74	14.54	14.89	14.46	14.80	15.14	14.38	14.93
BBMW-28S	2.0 - 12.0	14.06	13.25	14.30	15.33	13.26	12.96	13.69	13.97	13.54	13.86	13.81	13.51	13.93
BBMW-28I	10.0 - 20.0	14.05	13.24	14.38	15.32	13.24	12.93	13.66	13.96	13.52	14.13	14.06	13.48	13.86
BBMW-29	2.0 - 9.0	12.27	11.48	12.52	13.51	11.44	11.35	12.02	12.23	11.83	12.11	13.09	11.85	12.20
BBMW-30S	2.0 - 10.0	13.99	13.24	14.22	15.10	13.25	12.96	13.66	13.72	13.51	14.02	13.87	13.49	13.85
BBMW-30I	14.0 -19.0	13.97	13.21	14.22	15.13	13.24	12.96	13.66	13.65	13.32	13.48	13.40	13.48	13.67
BBMW-30D	30.0 - 35.0	13.92	13.19	14.19	15.11	13.22	12.93	13.63	14.13	13.55	14.24	14.14	13.47	13.83
BBMW-31S	2.0 - 10.0	11.21	10.43	11.46	12.27	10.40	10.38	11.04	11.09	10.96	11.08	11.13	11.02	11.19
BBMW-31I	14.0 -19.0	11.20	10.42	11.45	12.20	10.38	10.37	11.02	10.95	10.88	11.13	11.11	10.90	10.97
BBMW-31D	30.0 - 35.0	11.21	10.44	11.45	12.21	10.39	10.38	11.03	11.02	10.84	11.00	10.97	10.80	11.10
BBMW-32S	2.0 - 10.0	12.49	11.76	12.76	13.62	11.75	11.61	12.25	12.24	12.07	11.76	12.34	12.10	12.33
BBMW-32I	14.0 -19.0	13.50	12.77	13.75	14.66	12.74	12.60	13.21	13.20	13.10	13.35	13.38	13.11	13.42
BBMW-32D	30.0 - 35.0	12.47	11.73	12.73	13.63	11.71	11.56	12.19	12.22	12.05	12.33	12.34	12.18	12.47
BBMW-33	7.0 - 12.0	13.65	12.84	13.86	14.93	12.81	13.60	NC	13.69	13.35	13.38	14.26	13.10	13.41
MW-03	4.94 - 14.94	15.81	14.91	16.02	17.58	15.01	14.47	15.23	15.61	15.03	15.44	15.46	15.05	15.52
MW-04	5.1 - 15.1	15.50	14.82	15.73	NC	14.71	14.18	14.95	15.31	15.04	15.19	15.17	14.78	15.17
MW-29S	5.0 - 10.0	16.00	15.14	16.24	17.43	15.29	14.77	15.49	15.84	15.45	15.50	15.76	15.40	15.82
MW-29D	14.0 - 19.0	16.00	15.17	16.25	17.44	15.29	14.77	15.47	15.89	15.44	15.80	15.82	15.36	15.86
MW-30WR	2.0 - 10.0	12.83	12.04	13.10	14.15	12.05	11.95	12.58	12.81	12.45	12.70	12.12	12.44	12.73
MW-32W/WR	2.0 - 10.0	13.36	12.58	13.61	NC	12.56	NC	NC	13.29	12.95	13.22	11.91	12.91	13.26
MW-34S	2.0 - 10.0	13.82	13.00	14.03	15.09	12.98	12.72	13.46	13.71	13.31	13.69	13.62	13.28	13.66
MW-34I	18.5 - 19.5	13.80	12.98	13.98	15.06	12.95	12.95	13.42	13.71	13.30	13.58	13.65	13.25	13.65
MW-34D	27.5 - 28.5	13.80	12.99	14.00	15.07	12.95	12.68	13.43	13.73	13.27	13.49	13.58	13.26	13.64
MW-45W	2.0 - 10.0	14.21	13.18	NC	15.16	13.18	12.98	13.60	13.37	13.27	13.62	13.42	13.50	13.66
MW-46W-R	2.0 - 10.0	NC	NC	NC	NC	NC	NC	NC	NC	13.29	13.60	13.47	13.26	13.43
MW-64	19.0 - 24.0	14.65	13.87	14.90	15.75	13.96	13.50	14.21	14.54	14.11	14.44	14.39	14.06	14.46
MW-65	11.0 - 16.0	14.60	13.80	14.82	NC	13.80	13.44	14.18	14.52	14.05	13.88	14.38	14.06	14.48

Table 3-6. OU-3 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 3

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level												
		Jul-09	Oct-09	Jan-10	Apr-10	Jul-10	Oct-10	Jan-11	Apr-11	Jul-11	Oct-11	Jan-12	Apr-12	Apr-13
MW-83	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	14.09	14.45	14.33	14.07	14.58
MWBS-02S	5.0 - 15.0	11.70	10.43	11.65	NC	10.18	NC	11.17	11.32	11.04	11.45	11.41	10.91	11.27
MWBS-02I	14.5 - 15.5	11.35	10.57	11.66	NC	10.54	NC	11.21	11.39	11.01	11.29	11.34	11.15	11.68
MWBS-02D	24.5 - 25.5	11.44	10.62	11.49	NC	10.50	NC	11.19	11.35	11.04	11.20	11.41	10.83	11.64
OU3MW-01S	3.0 - 13.0	NC	NC	14.35	15.28	13.43	13.14	13.78	14.11	13.69	14.49	14.04	NC	NC
OU3MW-02S	3.0 - 13.0	NC	13.10	14.10	15.05	13.10	12.88	13.55	13.57	13.13	13.91	13.83	13.44	13.76
OU3MW-02I	15.0 - 20.0	NC	13.09	14.03	15.05	13.01	12.81	13.47	13.54	13.07	13.34	13.40	13.33	13.67
OU3MW-04S	1.5 - 11.5	NC	12.34	13.39	14.42	12.31	12.17	12.81	13.09	12.79	12.96	12.93	12.65	13.00
OU3MW-04I	16.0 - 21.0	NC	12.33	13.37	14.39	12.31	12.15	12.79	13.06	12.73	12.86	12.92	12.63	12.97
OU3MW-04D	26.0 - 31.0	NC	12.31	13.36	14.38	12.26	12.09	12.78	13.04	12.70	12.89	12.93	12.61	12.97
OU3MW-05S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	12.03	12.71	13.09
OU3MW-05I	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	11.95	12.67	13.08
OU3MW-08S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	14.59	14.89	14.46	14.68	14.78	14.42	14.80
OU3MW-08I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	14.58	14.89	14.48	14.97	14.78	14.44	14.80
OU3MW-09S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	14.64	15.02	14.62	15.00	15.01	14.58	14.91
OU3MW-09I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	14.58	14.94	14.53	14.90	14.89	14.47	14.99
OU3MW-09I2	35.0 - 40.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.87	14.85	14.43	14.72
OU3MW-10S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	14.62	15.02	14.58	14.99	14.98	14.56	14.82
OU3MW-10I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	14.59	14.97	14.55	14.93	14.89	14.49	14.90
OU3MW-11S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	14.54	14.94	14.46	14.83	14.81	14.40	14.84
OU3MW-11I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	14.54	14.91	14.46	14.81	14.75	14.39	14.77
OU3MW-12S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	14.83	15.19	14.76	15.11	15.09	14.66	15.05
OU3MW-12I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	14.84	15.20	14.77	NC	17.82	17.47	14.73
OU3MW-13S	20. - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.63	14.36	14.07	14.44
OU3MW-16S	2.0 - 16.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.81	14.80	14.39	14.90
PDMW-01	5.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	14.77	15.17	15.33	14.71	15.22

Table 3-6. OU-3 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 3

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level												
		Apr-14	Apr-15	Jun-16	Apr-17	Jun-18	Apr-19	Oct-20	Jun-21	Jun-22	Jul-23	Minimum	Average	Maximum
BBMW-09S	5.0 - 15.0	15.81	15.02	13.73	15.05	14.32	14.94	13.74	14.25	NC	NA	12.61	14.70	16.78
BBMW-09I	30.0 - 40.0	15.83	15.10	13.84	15.16	14.45	15.00	13.89	14.28	NC	NA	12.60	14.73	16.77
BBMW-09D	62.0 - 72.0	16.20	15.11	13.84	15.12	14.45	15.05	NC	NC	NC	NC	12.61	14.80	16.76
BBMW-28S	2.0 - 12.0	14.98	14.15	13.04	14.48	NC	NC	13.33	14.32	13.49	12.75	12.75	13.85	15.33
BBMW-28I	10.0 - 20.0	14.88	13.85	12.97	14.43	13.54	14.02	12.98	13.33	13.41	12.81	12.81	13.81	15.32
BBMW-29	2.0 - 9.0	13.02	12.47	11.45	12.69	12.00	12.40	11.38	12.33	11.78	11.33	11.28	12.12	13.51
BBMW-30S	2.0 - 10.0	14.27	14.12	13.13	14.37	13.67	14.04	13.25	14.10	13.49	12.84	12.84	13.74	15.10
BBMW-30I	14.0 -19.0	13.66	14.14	13.02	14.40	13.56	14.05	12.79	13.45	13.46	12.87	12.79	13.63	15.13
BBMW-30D	30.0 - 35.0	14.55	13.13	13.00	14.34	13.56	13.98	13.07	13.40	13.46	12.86	12.86	13.69	15.11
BBMW-31S	2.0 - 10.0	11.79	11.44	10.60	11.61	10.91	11.42	10.59	10.88	10.89	10.18	10.18	11.04	12.27
BBMW-31I	14.0 -19.0	11.83	11.43	10.59	11.59	10.88	11.41	10.32	10.56	10.89	10.22	10.22	10.99	12.20
BBMW-31D	30.0 - 35.0	11.67	11.39	10.57	11.60	10.89	11.39	10.35	10.76	10.95	10.17	10.17	10.99	12.21
BBMW-32S	2.0 - 10.0	13.04	12.70	11.70	12.89	12.12	12.52	11.66	11.97	12.04	11.52	11.52	12.24	13.62
BBMW-32I	14.0 -19.0	14.05	13.68	12.67	13.86	13.08	13.47	12.68	12.27	13.03	12.45	12.27	13.23	14.66
BBMW-32D	30.0 - 35.0	13.15	12.69	11.67	12.85	12.06	12.55	11.63	11.97	12.02	11.47	11.47	12.27	13.63
BBMW-33	7.0 - 12.0	12.68	13.70	12.63	14.05	13.16	13.67	12.60	11.92	13.02	NA	11.92	13.38	14.93
MW-03	4.94 - 14.94	16.21	15.85	14.52	NC	15.15	15.78	15.19	15.05	15.07	13.90	13.18	15.37	17.58
MW-04	5.1 - 15.1	15.85	15.54	14.56	15.82	15.12	15.75	14.47	14.95	NC	14.28	12.98	15.22	19.16
MW-29S	5.0 - 10.0	17.14	16.09	14.84	16.11	15.49	16.05	14.85	15.43	NC	14.66	13.55	15.75	17.84
MW-29D	14.0 - 19.0	16.84	16.44	14.83	16.28	15.74	16.25	14.88	16.66	15.40	14.68	13.53	15.77	17.44
MW-30WR	2.0 - 10.0	13.43	13.04	11.96	13.30	12.44	12.91	13.12	12.62	12.35	11.65	11.65	13.28	15.40
MW-32W/WR	2.0 - 10.0	14.05	13.55	12.60	13.81	12.94	13.46	12.56	13.10	12.85	12.69	11.91	13.12	14.05
MW-34S	2.0 - 10.0	14.59	13.98	13.10	14.64	13.53	13.98	12.88	13.15	13.19	12.89	12.72	13.62	15.09
MW-34I	18.5 - 19.5	14.66	13.93	12.79	14.48	13.28	14.05	12.74	13.37	13.18	12.62	12.62	13.58	15.06
MW-34D	27.5 - 28.5	14.49	13.97	12.81	14.60	13.32	13.67	12.81	13.24	13.19	12.59	12.59	13.58	15.07
MW-45W	2.0 - 10.0	14.20	14.01	12.84	14.30	13.43	13.92	12.89	13.32	NC	NA	12.79	13.67	15.16
MW-46W-R	2.0 - 10.0	14.40	13.95	12.94	14.21	13.40	13.87	12.79	13.19	13.31	12.86	12.79	13.46	14.40
MW-64	19.0 - 24.0	15.33	14.74	13.58	14.77	14.13	14.72	13.55	13.92	13.96	13.40	13.40	14.43	15.77
MW-65	11.0 - 16.0	15.52	14.75	NC	NC	NC	NC	NC	13.80	14.08	NA	13.44	14.32	15.52

Table 3-6. OU-3 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 3

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level												
		Apr-14	Apr-15	Jun-16	Apr-17	Jun-18	Apr-19	Oct-20	Jun-21	Jun-22	Jul-23	Minimum	Average	Maximum
MW-83	5.0 - 20.0	14.72	14.84	NC	NC	NC	NC	NC	14.04	14.11	NA	14.04	14.36	14.84
MWBS-02S	5.0 - 15.0	12.28	11.68	10.74	11.99	NC	NC	10.72	10.92	11.19	10.44	10.18	11.20	12.28
MWBS-02I	14.5 - 15.5	11.46	11.65	10.74	11.89	11.12	11.57	10.55	10.97	11.08	NA	10.54	11.20	11.89
MWBS-02D	24.5 - 25.5	12.14	11.56	10.74	11.89	11.13	11.56	10.53	10.88	10.94	10.22	10.22	11.16	12.14
OU3MW-01S	3.0 - 13.0	14.06	14.34	13.2	14.53	13.67	14.34	NC	NC	NC	NA	13.14	14.03	15.28
OU3MW-02S	3.0 - 13.0	14.56	14.04	12.93	14.29	13.38	13.95	12.95	13.25	13.32	12.73	12.73	13.58	15.05
OU3MW-02I	15.0 - 20.0	14.64	13.96	12.83	14.27	13.32	13.65	12.83	13.24	13.21	12.60	12.60	13.47	15.05
OU3MW-04S	1.5 - 11.5	13.90	13.35	12.21	14.18	12.83	13.29	12.20	13.79	12.66	11.96	11.96	12.97	14.42
OU3MW-04I	16.0 - 21.0	13.76	13.27	12.20	14.71	12.59	13.24	11.88	13.79	12.53	11.95	11.88	12.93	14.71
OU3MW-04D	26.0 - 31.0	13.64	13.24	12.19	13.89	12.63	13.13	12.13	12.85	NC	11.91	11.91	12.85	14.38
OU3MW-05S	2.0 - 12.0	13.82	13.37	12.46	13.87	12.75	13.29	12.49	12.65	12.66	12.02	12.02	12.86	13.87
OU3MW-05I	15.0 - 20.0	13.90	13.36	12.24	13.82	12.72	13.23	12.39	12.93	12.65	11.99	11.95	12.84	13.90
OU3MW-08S	2.0 - 12.0	15.67	15.08	NC	15.25	14.46	NC	NC	NC	NC	16.88	14.42	15.00	16.88
OU3MW-08I	25.0 - 30.0	15.69	15.10	13.94	15.14	14.49	NC	NC	NC	NC	16.73	13.94	14.93	16.73
OU3MW-09S	2.0 - 12.0	16.10	15.33	14.10	15.33	14.68	NC	NC	NC	NC	16.81	14.10	15.09	16.81
OU3MW-09I	25.0 - 30.0	15.90	15.15	13.96	15.09	14.52	NC	NC	NC	NC	16.79	13.96	14.98	16.79
OU3MW-09I2	35.0 - 40.0	15.86	15.15	13.91	15.16	14.52	NC	NC	NC	NC	16.94	13.91	15.04	16.94
OU3MW-10S	2.0 - 12.0	15.99	15.32	13.83	15.10	14.45	NC	NC	NC	NC	17.63	13.83	15.07	17.63
OU3MW-10I	25.0 - 30.0	15.95	15.20	13.98	15.22	14.57	NC	NC	NC	NC	16.60	13.98	14.99	16.60
OU3MW-11S	2.0 - 12.0	16.03	15.14	14.18	15.19	14.46	NC	NC	17.97	NC	16.62	14.18	15.17	17.97
OU3MW-11I	25.0 - 30.0	15.89	15.11	13.85	15.14	14.46	NC	NC	17.07	NC	NA	13.85	14.93	17.07
OU3MW-12S	2.0 - 12.0	16.67	15.41	14.67	18.45	17.79	NC	NC	NC	NC	17.00	14.66	15.74	18.45
OU3MW-12I	25.0 - 30.0	16.66	15.14	14.18	18.48	17.85	NC	NC	NC	NC	17.07	14.18	16.18	18.48
OU3MW-13S	20. - 12.0	15.41	14.78	13.58	14.86	14.12	14.70	14.03	14.00	NC	13.38	13.38	14.26	15.41
OU3MW-16S	2.0 - 16.0	15.73	15.14	14.65	15.77	14.53	19.20	17.23	18.23	NC	17.34	14.39	15.90	19.20
PDMW-01	5.0 - 20.0	15.95	15.42	14.22	15.41	14.82	15.30	16.24	15.78	NC	14.05	14.05	15.17	16.24

Notes:
NC - Not Calculated
bgs - below ground surface
Well Elevations obtained from 2007 survey or later and reference NAVD88 datum.

Table 3-7. OU-4 Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2022/2023 Annual GM and OM Report
Operable Unit No. 4
July 6, 2023

Well ID	Well Elevation[1] (feet above MSL)	Depth to Water (feet)	Water Elevation (feet above MSL)	Comments
WCMW-02S	15.34	3.02	12.32	
WCMW-02I	15.23	2.96	12.27	
WCMW-02D	15.15	2.90	12.25	
WCMW-05S	18.46	5.24	13.22	
WCMW-05I	18.27	5.13	13.14	
WCMW-05I2	18.39	5.25	13.14	
WCMW-06S	17.13	4.44	12.69	
WCMW-06I	17.30	4.41	12.89	
WCMW-06I2	17.43	4.46	12.97	
WCMW-07S	NS	3.91	NA	Needs to be re-surveyed
WCMW-07I	NS	3.67	NA	Needs to be re-surveyed
WCMW-07I2	NS	3.79	NA	Needs to be re-surveyed
WCMW-08S	17.64	4.00	13.64	
WCMW-08I	17.72	4.04	13.68	
WCMW-08I2	17.76	4.13	13.63	
WCMW-10S	17.44	NM	NA	Well inaccessible
WCMW-10D	17.36	NM	NA	Well inaccessible
WCMW-11S	18.87	NM	NA	GC Environmental/Well inaccessible
WCMW-11I	19.18	NM	NA	GC Environmental/Well inaccessible
WCMW-11D	19.02	NM	NA	GC Environmental/Well inaccessible
WCMW-12S	16.88	4.42	12.46	
WCMW-12I	17.19	4.80	12.39	
WCMW-12D	17.15	4.74	12.41	
WCMW-13S	15.11	2.66	12.45	
WCMW-13I	15.41	3.01	12.40	
WCMW-13D	15.38	2.98	12.40	
WCMW-14S	16.97	4.22	12.75	
WCMW-14I	16.98	4.21	12.77	
WCMW-14I2	17.01	4.23	12.78	
WCMW-14D	17.04	4.14	12.90	
WCMW-22S	18.66	NM	NA	GC Environmental/Well inaccessible
WCMW-22I	18.36	NM	NA	GC Environmental/Well inaccessible
WCMW-23S	19.13	NM	NA	GC Environmental/Well inaccessible
WCMW-23I	19.06	NM	NA	GC Environmental/Well inaccessible
WCMW-26S	20.08	NM	NA	GC Environmental/Well inaccessible
WCMW-26I	20.73	NM	NA	GC Environmental/Well inaccessible
WCMW-26I2	20.98	NM	NA	GC Environmental/Well inaccessible
WCMW-29S	18.08	NM	NA	GC Environmental/Well inaccessible
WCMW-29I	18.09	NM	NA	GC Environmental/Well inaccessible
BBSW-14	15.05	2.76	12.29	Surface Water Gauging Station at Watchogue Creek-Union Blvd.

Notes:

1 - Well Elevations obtained from 2007 survey or later and reference NAVD88 datum
MSL - Mean Sea Level
NS - Survey Data Not Available
NM - Not Measured

Table 3-8. OU-4 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 4

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level																	
		Nov-99	Jun-02	Nov-02	Mar-03	Jul-03	Sep-03	Jan-04	Apr-04	Jun-04	Oct-04	Feb-05	May-05	Aug-05	Nov-05	Feb-06	May-06	Jul/Aug-06	Nov-06
WCMW-02S	3.0 - 13.0	NC	12.96	13.12	13.53	13.45	12.92	13.09	14.00	12.66	13.03	14.07	13.44	12.25	13.69	13.53	13.22	12.95	13.39
WCMW-02I	34.5 - 44.5	NC	12.86	13.03	13.43	13.34	12.86	13.01	13.96	12.56	12.95	13.52	13.41	12.28	13.75	13.61	13.28	12.98	13.43
WCMW-02D	62.0 - 72.0	NC	12.92	13.10	13.64	13.44	12.90	12.75	14.01	12.61	12.98	13.46	13.55	12.34	13.84	13.64	13.32	12.98	13.47
WCMW-05S	1.4 - 11.4	NC	NC	14.20	14.68	14.46	13.82	NC	15.05	13.48	13.97	14.66	14.39	13.18	14.85	14.70	14.31	13.99	14.48
WCMW-05I	19.61 - 24.61	NC	NC	13.98	14.51	14.40	13.76	NC	14.99	13.44	13.89	14.52	14.37	13.16	14.81	14.65	14.29	13.97	14.42
WCMW-05I2	29.46 - 34.46	NC	NC	14.02	14.54	14.43	13.81	NC	15.02	13.48	13.92	14.57	14.41	13.17	14.84	14.68	14.33	13.98	14.46
WCMW-06S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-06I	19.55 - 24.55	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-06I2	29.83 - 34.83	NC	NC	13.86	14.33	14.21	13.60	NC	14.79	13.27	13.74	14.39	14.22	12.98	14.62	NC	14.12	NC	NC
WCMW-07S	2.76 - 12.76	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-07I	18.9 - 23.9	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-07I2	28.95 - 33.95	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-08S	4.2 - 9.2	NC	NC	14.55	15.14	15.02	14.32	14.57	15.59	14.00	14.45	15.11	15.01	13.73	15.43	15.26	14.92	14.58	14.99
WCMW-08I	19.2 - 24.2	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.60	15.03
WCMW-08I2	26.9 - 31.9	NC	NC	14.55	15.13	15.05	14.33	14.59	15.61	14.03	14.47	15.14	15.03	13.77	15.44	15.27	14.92	14.59	15.02
WCMW-10S	15.0 - 20.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-10D	40.0 - 50.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.82	14.46	14.14	NC
WCMW-11S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	15.84	NC	NC	NC
WCMW-11I	25.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	15.84	NC	NC	NC
WCMW-11D	50.0 - 60.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	15.81	NC	NC	NC
WCMW-12S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-12I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-12D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-13S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-13I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-13D	65.0 - 70.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-14S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-14I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-14I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-14D	67.0 - 72.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-22S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-22I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-23S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-23I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-26S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-26I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-26I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-29S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-29I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

Table 3-8. OU-4 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 4

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level																	
		Jan-07	May-07	Jul/Aug-07	Oct/Nov-07	Jan-08	May-08	Aug-08	Nov-08	Jan-09	May-09	Jul-09	Oct-09	Jan-10	Apr-10	Jul-10	Oct-10	Jan-11	Apr-11
WCMW-02S	3.0 - 13.0	13.35	13.60	12.95	12.35	13.07	13.54	12.59	13.24	13.31	13.63	13.53	12.88	13.63	14.50	12.73	12.57	13.09	13.14
WCMW-02I	34.5 - 44.5	13.41	13.67	12.98	12.34	13.11	13.62	12.64	13.25	13.25	13.60	13.59	12.92	13.71	14.56	12.75	12.59	13.18	13.16
WCMW-02D	62.0 - 72.0	13.44	13.70	13.02	12.39	13.16	13.65	12.93	13.30	13.38	13.56	13.62	12.95	13.70	14.64	12.78	12.62	13.20	13.26
WCMW-05S	1.4 - 11.4	14.43	14.67	13.92	13.25	14.14	14.64	13.59	14.32	14.40	14.66	14.62	13.97	14.66	15.57	13.91	13.43	14.01	14.53
WCMW-05I	19.61 - 24.61	14.40	14.66	13.92	13.27	14.07	14.62	13.57	14.23	14.36	14.61	14.65	13.89	14.62	15.60	13.68	13.42	14.01	14.42
WCMW-05I2	29.46 - 34.46	14.44	14.70	13.95	13.31	14.08	14.66	13.65	14.28	14.40	14.62	14.67	13.92	14.68	15.67	13.74	13.47	14.04	14.60
WCMW-06S	2.0 - 12.0	NC	NC	NC	13.03	13.83	14.38	13.40	14.01	14.18	14.07	14.35	13.60	14.38	14.76	14.39	13.24	13.77	13.71
WCMW-06I	19.55 - 24.55	NC	NC	NC	13.02	13.82	14.36	13.31	13.99	14.07	14.04	14.34	13.65	14.42	14.91	14.50	13.20	13.72	13.74
WCMW-06I2	29.83 - 34.83	14.25	14.45	13.69	13.07	13.83	14.39	13.37	14.02	14.11	14.17	14.38	13.68	14.48	14.99	14.55	13.26	13.80	13.87
WCMW-07S	2.76 - 12.76	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-07I	18.9 - 23.9	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-07I2	28.95 - 33.95	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
WCMW-08S	4.2 - 9.2	15.01	15.29	14.52	13.82	14.64	15.26	14.14	14.78	14.99	15.21	15.20	14.43	15.24	16.16	14.31	13.89	14.52	14.54
WCMW-08I	19.2 - 24.2	15.03	15.28	14.51	13.85	14.66	15.27	14.13	14.80	15.01	15.24	15.21	14.47	15.27	16.19	14.33	13.93	14.55	14.48
WCMW-08I2	26.9 - 31.9	15.02	15.28	14.52	13.82	14.74	15.25	14.11	14.79	14.99	15.22	15.23	14.44	15.28	16.20	14.35	13.92	14.56	14.55
WCMW-10S	15.0 - 20.0	14.57	17.44	NC	13.47	14.18	14.80	13.69	14.37	14.53	14.78	14.72	14.05	14.78	15.76	13.88	13.64	14.13	14.14
WCMW-10D	40.0 - 50.0	14.57	17.36	NC	13.42	14.18	14.80	13.74	14.37	13.52	14.78	14.71	13.99	14.82	15.76	13.89	13.47	14.16	14.11
WCMW-11S	5.0 - 15.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.43	9.06	14.13
WCMW-11I	25.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.64	14.07	14.74
WCMW-11D	50.0 - 60.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.31	14.06	14.44
WCMW-12S	3.0 - 13.0	NC	NC	NC	NC	NC	13.77	12.82	13.42	13.46	13.75	13.73	13.07	13.83	13.43	12.92	12.71	13.18	13.15
WCMW-12I	25.0 - 30.0	NC	NC	NC	NC	NC	13.76	12.82	13.43	13.46	13.70	13.73	13.05	13.79	13.77	12.93	12.71	13.25	13.23
WCMW-12D	65.0 - 70.0	NC	NC	NC	NC	NC	13.78	12.81	13.44	13.49	13.77	13.74	13.06	13.84	13.78	12.96	12.76	13.25	13.26
WCMW-13S	3.0 - 13.0	NC	NC	NC	NC	NC	13.59	12.71	13.30	13.37	13.56	13.66	12.95	13.62	14.10	12.81	12.64	NC	11.35
WCMW-13I	25.0 - 30.0	NC	NC	NC	NC	NC	13.68	12.74	13.33	13.41	13.62	13.60	12.97	13.69	14.46	12.95	12.75	NC	11.72
WCMW-13D	65.0 - 70.0	NC	NC	NC	NC	NC	13.71	12.92	13.37	13.47	13.68	13.66	13.01	13.73	14.47	12.89	12.70	NC	11.68
WCMW-14S	2.0 - 12.0	NC	NC	NC	NC	NC	14.57	13.80	14.20	14.34	14.49	14.24	12.84	14.30	15.30	13.39	13.17	13.71	13.73
WCMW-14I	20.0 - 25.0	NC	NC	NC	NC	NC	14.53	13.50	14.15	14.25	14.33	14.52	13.79	14.19	14.82	13.60	13.38	14.03	14.01
WCMW-14I2	30.0 - 35.0	NC	NC	NC	NC	NC	14.53	13.18	14.16	14.28	14.41	14.52	13.83	14.55	14.83	13.61	13.41	14.03	13.64
WCMW-14D	67.0 - 72.0	NC	NC	NC	NC	NC	14.56	12.42	14.20	14.43	14.45	14.65	13.91	14.78	15.37	13.79	13.54	13.93	14.36
WCMW-22S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.86	15.90	NC	13.52	14.42	14.48
WCMW-22I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	14.78	15.76	NC	13.47	13.84	14.47
WCMW-23S	3.0 - 13.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	15.62	NC	13.25	NC	NC
WCMW-23I	25.0 - 30.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	15.64	NC	13.23	NC	NC
WCMW-26S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	16.27	17.37	NC	15.00	15.64	15.98
WCMW-26I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	16.83	17.91	NC	15.57	16.19	16.54
WCMW-26I2	30.0 - 35.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	17.13	18.16	NC	15.79	16.48	16.79
WCMW-29S	2.0 - 12.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.64	14.24	14.23
WCMW-29I	20.0 - 25.0	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	13.58	14.18	14.20

Table 3-8. OU-4 Historical Water Level Measurements and Calculated Groundwater Elevations
Bay Shore/Brightwaters Former MGP Site
2016/2017 Annual GM and OM&M Report
Operable Unit No. 4

Well ID	Screen Interval (feet bgs)	Groundwater Elevations in Feet Above Mean Sea Level																	
		Jul-11	Oct-11	Jan-12	Apr-12	Apr-13	Apr-14	Apr-15	Jun-16	Apr-17	Jun-18	Apr-19	Oct-20	Jun-21	Jun-22	Jul-23	Minimum	Average	Maximum
WCMW-02S	3.0 - 13.0	12.87	12.71	13.32	15.34	13.04	13.44	13.30	12.33	13.41	12.91	13.54	13.57	12.94	12.82	12.32	12.25	13.22	15.34
WCMW-02I	34.5 - 44.5	12.82	12.64	13.24	15.23	13.07	12.98	13.51	12.38	13.54	13.03	13.63	12.69	12.89	12.74	12.27	12.27	13.19	15.23
WCMW-02D	62.0 - 72.0	12.86	12.85	13.40	15.15	13.28	12.79	13.27	12.22	13.32	12.83	13.32	12.48	12.70	12.43	12.25	12.22	13.19	15.15
WCMW-05S	1.4 - 11.4	14.02	14.21	14.30	18.46	13.16	16.01	14.40	13.27	14.46	13.99	14.25	14.02	13.84	13.73	13.22	13.16	14.30	18.46
WCMW-05I	19.61 - 24.61	14.16	13.88	14.07	18.27	14.04	15.76	14.31	13.24	14.35	13.85	14.36	13.40	13.73	13.60	13.14	13.14	14.24	18.27
WCMW-05I2	29.46 - 34.46	14.43	14.01	14.07	18.39	14.04	15.63	14.34	13.26	12.44	13.89	14.36	13.46	13.78	13.58	13.14	12.44	14.24	18.39
WCMW-06S	2.0 - 12.0	NC	8.08	NC	17.13	13.59	14.27	13.87	12.80	13.90	13.44	13.91	13.17	13.30	13.22	12.69	8.08	13.66	17.13
WCMW-06I	19.55 - 24.55	13.59	8.19	NC	17.30	13.70	14.09	13.94	12.83	14.08	13.50	14.09	13.09	13.34	13.30	12.89	8.19	13.69	17.30
WCMW-06I2	29.83 - 34.83	13.59	8.36	NC	17.43	13.82	13.98	14.12	12.98	14.22	13.67	14.12	13.26	13.49	13.41	12.97	8.36	13.86	17.43
WCMW-07S	2.76 - 12.76	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA
WCMW-07I	18.9 - 23.9	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA
WCMW-07I2	28.95 - 33.95	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA
WCMW-08S	4.2 - 9.2	13.37	14.64	14.58	17.64	14.74	14.96	15.04	13.71	14.97	14.45	14.97	13.90	14.22	14.12	13.64	13.37	14.73	17.64
WCMW-08I	19.2 - 24.2	13.37	14.71	14.68	17.72	14.75	15.17	15.02	13.72	15.05	14.47	15.05	13.91	14.27	14.18	13.68	13.37	14.73	17.72
WCMW-08I2	26.9 - 31.9	13.44	14.67	14.73	17.76	14.77	15.16	15.00	13.71	15.02	14.43	14.95	13.89	14.11	14.13	13.63	13.44	14.75	17.76
WCMW-10S	15.0 - 20.0	14.07	13.81	14.14	17.44	14.23	13.88	14.44	NC	NC	13.95	13.46	13.50	13.77	13.82	NA	13.46	14.39	17.44
WCMW-10D	40.0 - 50.0	14.04	13.89	14.15	17.36	14.07	13.63	14.44	13.30	NC	13.98	14.45	13.50	13.79	13.66	NA	13.30	14.34	17.36
WCMW-11S	5.0 - 15.0	NC	13.96	14.09	18.87	14.16	14.56	14.42	NC	NC	NC	NC	NC	NC	NC	NA	9.06	14.25	18.87
WCMW-11I	25.0 - 35.0	NC	14.29	14.11	19.18	14.34	14.73	14.42	NC	NC	NC	NC	NC	NC	NC	NA	13.64	14.94	19.18
WCMW-11D	50.0 - 60.0	NC	14.22	14.10	19.02	14.01	14.47	14.41	NC	NC	NC	NC	NC	NC	NC	NA	13.31	14.79	19.02
WCMW-12S	3.0 - 13.0	12.91	13.06	12.91	16.88	13.27	12.90	13.54	7.49	13.59	13.08	13.61	12.82	12.97	12.88	12.46	7.49	13.13	16.88
WCMW-12I	25.0 - 30.0	12.97	13.32	13.27	17.19	13.25	12.98	13.56	7.47	13.59	13.07	13.58	12.71	12.94	12.55	12.39	7.47	13.16	17.19
WCMW-12D	65.0 - 70.0	12.99	13.16	13.30	17.15	13.23	13.14	13.54	7.47	13.52	13.08	13.58	12.72	12.93	12.92	12.41	7.47	13.18	17.15
WCMW-13S	3.0 - 13.0	11.17	13.22	13.19	15.11	12.55	12.56	13.26	12.37	13.33	12.88	13.39	12.68	12.85	12.77	12.45	11.17	13.02	15.11
WCMW-13I	25.0 - 30.0	11.52	13.40	13.38	15.41	13.11	12.90	13.37	12.38	13.44	12.96	13.43	12.68	12.86	12.76	12.40	11.52	13.15	15.41
WCMW-13D	65.0 - 70.0	11.45	13.23	13.23	15.38	13.20	12.97	13.48	12.41	13.52	13.02	13.49	12.69	12.88	12.88	12.40	11.45	13.17	15.38
WCMW-14S	2.0 - 12.0	13.54	12.00	NC	16.97	13.66	13.16	13.95	12.86	14.05	13.50	13.97	13.08	13.32	13.22	12.75	12.00	13.78	16.97
WCMW-14I	20.0 - 25.0	13.76	11.93	NC	16.98	13.69	12.92	13.95	12.84	14.06	13.49	14.00	13.06	13.45	13.12	12.77	11.93	13.82	16.98
WCMW-14I2	30.0 - 35.0	13.74	11.93	NC	17.01	13.67	12.78	13.97	12.84	14.09	13.47	14.00	13.07	13.34	13.24	12.78	11.93	13.81	17.01
WCMW-14D	67.0 - 72.0	13.83	12.54	NC	17.04	13.89	13.75	14.36	12.97	14.42	13.75	14.52	13.36	13.36	13.52	12.90	12.42	14.02	17.04
WCMW-22S	2.0 - 12.0	14.00	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NA	13.52	14.53	15.90
WCMW-22I	25.0 - 30.0	13.95	NC	NC	NC	NC	NC	14.42	NC	NC	NC	NC	NC	NC	NC	NA	13.47	14.38	15.76
WCMW-23S	3.0 - 13.0	13.72	13.34	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NA	13.25	13.98	15.62
WCMW-23I	25.0 - 30.0	13.73	13.36	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NA	13.23	13.99	15.64
WCMW-26S	2.0 - 12.0	15.50	15.76	15.70	20.08	15.72	16.15	15.95	NC	NC	NC	NC	NC	NC	NC	NA	15.00	16.26	20.08
WCMW-26I	20.0 - 25.0	16.06	16.22	16.22	20.73	16.33	16.52	16.48	NC	NC	NC	NC	NC	NC	NC	NA	15.57	16.80	20.73
WCMW-26I2	30.0 - 35.0	16.31	16.61	16.45	20.98	16.55	16.96	16.71	NC	NC	NC	NC	NC	NC	NC	NA	15.79	17.08	20.98
WCMW-29S	2.0 - 12.0	13.99	14.09	14.25	18.08	14.30	14.74	14.46	NC	NC	NC	NC	NC	NC	NC	NA	13.64	14.60	18.08
WCMW-29I	20.0 - 25.0	14.01	14.06	14.24	18.09	14.34	14.69	14.51	11.87	NC	NC	NC	NC	NC	NC	NA	11.87	14.34	18.09

Notes:
NC - Not Calculated
bgs - below ground surface
Well Elevations obtained from 2007 survey or later and reference NAVD 88 datum.

Table 4-1. OU-1 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)																
		Sampling Date																
		1992	1999		2002			2003			2004				2005			2005
		Sep	Sep	Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb/Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec
BBMW-05D	64.0 - 74.0	--	--	1,523	943	--	0	600	--	--	1,890	--	--	--	680	--	--	--
BBMW-05D2/D2R	126.5 - 136.5	--	--	--	16	0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-13D	62.0 - 72.0	--	--	0	0	--	--	--	--	--	0	--	--	--	0	--	--	--
BBMW-20S	4.0 - 14.0	--	--	--	15,140	--	6,190	11,700	--	--	10,876	--	10,120	--	--	--	--	5,655
BBMW-20I	35.0 - 45.0	--	--	--	40	--	193	170	--	--	110	--	142	--	--	--	--	104
BBMW-20D	62.0 - 72.0	--	--	--	3,505	--	9,639	--	--	--	--	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	--	--	--	13,610	--	25,800	6,030	20,000	25,200	12,960	13,800	21,300	14,500	11,670	16,900	9,200	--
BBMW-22I	30.0 - 40.0	--	--	--	36	--	25	22	--	28	13	--	--	--	16	--	--	--
BBMW-22D	64.0 - 74.0	--	--	--	8,600	--	5,028	6,297	--	--	2,370	--	--	--	1,650	--	--	--
BBMW-26S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--
BBMW-26I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--
BBMW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--
BBMW-27I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--
BBMW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-34I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-34D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35D	63.0 -68.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-36S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-36I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-37S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-37I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-37I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-37D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-39D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-40I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-40I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-40D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-1. OU-1 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)																
		Sampling Date																
		1992	1999		2002			2003			2004				2005			2005
		Sep	Sep	Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb/Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec
BBMW-41S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-41I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-41D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-42S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-42I	15.0-25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-42I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-43S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-43I	15.0-25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-43I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-51	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-52	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-53	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-54	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-55	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-56	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-57	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-58	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	361	15	19	26	--	--	--	45	20	0	0	33	35	--	180	34	0
MW-03D	35.0 - 45.0	0	0	0	0	--	--	--	--	--	0	--	--	--	--	--	--	--
MW-05S	4.0 - 14.0	17,180	27,000	20,430	24,320	--	34,290	46,300	--	--	21,660	--	--	--	24,395	--	--	--
MW-05D	35.5 - 45.5	253	15	39	3	--	0	17	--	--	0	--	--	--	0	--	--	--
MW-09S	4.0 - 14.0	0	--	29	--	0	0	0	--	--	0	--	--	0	--	--	--	--
MW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-101	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-102	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-103	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-104	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-105	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-1. OU-1 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)																
		Sampling Date																
		1992	1999		2002			2003			2004				2005			2005
		Sep	Sep	Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb/Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec
OU2MW-51S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51D	61.0 - 66.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-19S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-19I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-19D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22S/22SR	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22I/22IR	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-23I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-23I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-23D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-24I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-24I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-24D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-25I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-25I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-25D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-26I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-26D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-1. OU-1 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)																
		Sampling Date																
		2006				2007				2008				2009			2009	
		Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jul	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
BBMW-05D	64.0 - 74.0	890	1,267	3,150	553	1,597	613	21	399	717	727	790	1,414	482	880	1,016	1,029	933
BBMW-05D2/D2R	126.5 - 136.5	0	--	--	--	--	--	--	--	0	--	--	--	7	--	--	--	--
BBMW-13D	62.0 - 72.0	0	--	--	--	0	0	0	0	0	--	--	--	0	--	--	--	0
BBMW-20S	4.0 - 14.0	--	--	19,133	12,900	173	4,144	2,677	--	--	--	--	--	--	--	--	--	--
BBMW-20I	35.0 - 45.0	--	--	165	125	105	0	29	13	8	5	6	8	8	3	5	10	12
BBMW-20D	62.0 - 72.0	--	--	--	--	1,540	1,800	1,359	--	--	--	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	12,370	10,300	--	--	10,850	10,420	14,810	7,150	5,816	7,340	9,140	10,770	10,730	7,820	9,600	10,010	9,920
BBMW-22I	30.0 - 40.0	16	--	--	--	0	43	37	32	31	32	38	42	43	111	199	170	164
BBMW-22D	64.0 - 74.0	1,020	--	--	--	1,558	1,580	2,807	3,126	2,356	3,126	4,810	2,835	2,314	4,329	4,010	1,692	921
BBMW-26S	6.0 - 16.0	0	--	--	--	0	0	0	0	0	--	--	--	0	--	--	--	0
BBMW-26I	30.0 - 40.0	0	--	--	--	0	0	0	--	0	--	--	--	8	--	--	--	0
BBMW-27S	5.0 - 15.0	0	--	--	--	0	0	0	0	0	0	0	0	0	0	1	0	0
BBMW-27I	30.0 - 40.0	0	--	--	--	0	0	0	--	0	--	--	--	0	0	--	--	0
BBMW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	749	885	634
BBMW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3,109	3,547	2,360
BBMW-34I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	196	192	174
BBMW-34D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8	0	0
BBMW-35S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35D	63.0 -68.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-36S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	7	8
BBMW-36I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	0	0
BBMW-37S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-37I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-37I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-37D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	49	9	3
BBMW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9	7	10
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7	8	7
BBMW-38D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0
BBMW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9,755	5,970	8,580
BBMW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0
BBMW-39D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	0	0
BBMW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5,069	5,987	1
BBMW-40I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5	12	26
BBMW-40I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	3
BBMW-40D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	37	19	4

Table 4-1. OU-1 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)																
		Sampling Date																
		2006				2007				2008				2009			2009	
		Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jul	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
BBMW-41S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6,819	2,192	4,407
BBMW-41I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	1	0
BBMW-41D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0
BBMW-42S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-42I	15.0-25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-42I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-43S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-43I	15.0-25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-43I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-51	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-52	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-53	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-54	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-55	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-56	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-57	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-58	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	132	31	250	10	0	111	116	18	30	5	--	--	34	28	--	--	30
MW-03D	35.0 - 45.0	0	--	--	--	0	0	0	0	0	--	--	--	0	0	--	--	0
MW-05S	4.0 - 14.0	14,197	17,327	18,100	24,600	48,430	15,905	12,929	18,130	15,095	8,060	14,554	2,304	9,600	2,655	7,891	9,341	7,150
MW-05D	35.5 - 45.5	12	0	0	0	0	18	22	0	0	0	7	5	26	29	22	15	7
MW-09S	4.0 - 14.0	0	--	--	--	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-09I	30.0 - 40.0	0	--	--	--	0	0	2	--	4	--	--	--	0	--	--	--	0
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0
OU1PZ-101	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-102	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-103	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-104	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-105	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	8	6	0	0
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	1	0
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0
OU2MW-50S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-1. OU-1 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)																
		Sampling Date																
		2006				2007				2008				2009			2009	
		Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jul	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
OU2MW-51S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51D	61.0 - 66.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	4,685	0	0	0	0	0	0	0	0
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--	--	512	105	136	189	441	775	585	37	0
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--	--	3	4	8	2	12	92	686	468	464
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	--	--	1,664	78	52	25	141	17	337	35	0
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	--	--	1,316	82	23	40	74	42	67	9	0
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	0	0	0	0	0	36	8	14	35
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0	4	15
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	--	--	3,160	54	212	24	244	0	5	1	0
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	--	--	3,600	169	25	84	178	149	449	0	0
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	201	95	57	123	129	50	104	63	7
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	--	--	77	31	79	147	216	94	389	612	384
OZMW-19S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	391	0
OZMW-19I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,143	992
OZMW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	827	1,105
OZMW-19D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	76	14
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8,270	4,406
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	428	542
OZMW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	145	134
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10	6
OZMW-22S/22SR	5.0 - 15.0	--	--	--	--	--	--	--	--	7,077	7,480	7,381	6,074	11,947	5,605	6,942	4,305	--
OZMW-22I/22IR	20.0 - 30.0	--	--	--	--	--	--	--	--	0	0	0	0	607	43	17	8	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	0	2	0	0	0	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0	--
OZMW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	0
OZMW-23I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8	0
OZMW-23I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11	1
OZMW-23D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20	33
OZMW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25	13
OZMW-24I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22	0
OZMW-24I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	140	143
OZMW-24D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,595	1,387
OZMW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	1,691	1,724	2,883	3,070
OZMW-25I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	198	248	257	310
OZMW-25I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	91	177	158	141
OZMW-25D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	44	18
OZMW-26I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9	0
OZMW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	393	159
OZMW-26D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0

Table 4-1. OU-1 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)																	
		Sampling Date																	
		2010			2011				2012				2013			2013	20		
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
BBMW-05D	64.0 - 74.0	893	850	884	1,211	1,041	14	4	99	929	839	866	1,326	914	628	941	1059	1235
BBMW-05D2/D2R	126.5 - 136.5	--	0	0	0	14	0	0	5	0	0	--	--	--	--	--	--	--
BBMW-13D	62.0 - 72.0	2	0	0	0	--	--	--	0	--	--	--	--	--	--	--	--	--
BBMW-20S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-20I	35.0 - 45.0	10	3	1	27	114	6	10	6	10	8	0	5	2	19	0	0	91
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	9,280	7,350	5,860	10,540	9,110	2,834	8,720	8,669	7,586	8,096	7,511	5,962	6898	6864	7644	5506	7430
BBMW-22I	30.0 - 40.0	257	218	251	270	231	256	279	171	340	223	124	213	385	125	186	176	160
BBMW-22D	64.0 - 74.0	1,893	1,972	1,781	2,102	1,842	501	1,962	1,221	1,702	1,671	1,132	1,230	1271	--	--	--	--
BBMW-26S	6.0 - 16.0	--	--	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--
BBMW-26I	30.0 - 40.0	--	--	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--
BBMW-27S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--	0	--	--	--	0
BBMW-27I	30.0 - 40.0	--	--	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--
BBMW-34S	5.0 - 15.0	696	843	534	587	586	413	626	554	322	244	266	100	374	218	139	165	90
BBMW-34I	25.0 - 30.0	2,714	3,757	3,177	2,272	1,894	1,544	1,239	2,158	1,105	1,290	1,248	1,202	1081	1233	946	672	1247
BBMW-34I2	40.0 - 45.0	219	229	283	171	154	135	82	101	102	44	43	39	44	--	--	--	--
BBMW-34D	65.0 - 70.0	0	0	0	0	14	0	0	3	5	0	0	0	0	--	--	--	0
BBMW-35S	5.0 - 15.0	--	--	--	0	0	0	0	0	0	0	--	--	0	--	--	--	0
BBMW-35I	25.0 - 30.0	--	--	--	0	0	0	0	0	0	0	--	--	0	--	--	--	0
BBMW-35I2	45.0 - 50.0	--	--	--	0	0	0	0	0	0	0	--	--	0	--	--	--	0
BBMW-35D	63.0 -68.0	--	--	--	0	2	0	0	0	0	0	--	--	0	--	--	--	0
BBMW-36S	5.0 - 15.0	24	7	6	6	0	6	0	7	6	3	--	--	8	--	--	--	0
BBMW-36I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	--	--	0	--	--	--	0
BBMW-37S	5.0 - 10.0	--	--	--	--	--	--	271	251	257	--	244	202	75	16	137	7	4
BBMW-37I	20.0 - 30.0	--	--	--	--	--	--	1,082	1,208	1,657	--	991	709	773	702	3922	103	42
BBMW-37I2	35.0 - 45.0	--	--	--	--	--	--	412	341	352	--	216	267	189	249	272	96	6
BBMW-37D	55.0 - 65.0	--	--	--	--	--	--	8	0	0	--	0	0	0	--	--	--	1
BBMW-38S	5.0 - 15.0	4	186	432	1	5	187	9	4	5	4	303	162	497	394	604	305	451
BBMW-38I	25.0 - 30.0	6	9	3	4	12	3	5	4	2	2	3	3	7	--	--	--	--
BBMW-38I2	40.0 - 45.0	6	6	4	11	6	4	11	8	7	0	0	6	7	--	--	--	--
BBMW-38D	65.0 - 70.0	0	0	0	0	0	0	12	0	0	0	0	0	0	--	--	--	6
BBMW-39S	5.0 - 15.0	3,341	5,362	5,720	3,615	3,430	3,365	10,700	11,900	2,503	9,250	5,253	6,120	3528	10110	954	623	580
BBMW-39I	25.0 - 30.0	210	0	0	2	0	1	35	0	12	0	0	0	199	356	0	0	0
BBMW-39I2	45.0 - 50.0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	--	--	0
BBMW-39D	65.0 - 70.0	0	0	0	28	0	2	1	23	0	0	0	0	0	--	--	--	0
BBMW-40S	5.0 - 15.0	10	6,390	3,589	170	119	2,797	0	0	0	68	1,012	2,016	3035	1815	816	572	0
BBMW-40I	25.0 - 30.0	12	0	1	11	2	67	7	1	23	1	0	6	2	0	0	1	4
BBMW-40I2	45.0 - 50.0	0	0	0	0	15	0	622	2,478	2,302	2,425	0	0	0	0	0	--	0
BBMW-40D	70.0 - 75.0	0	1	0	0	0	0	0	0	0	0	--	--	0	--	--	--	0

Table 4-1. OU-1 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)																	
		Sampling Date																	
		2010			2011				2012				2013			2013		20	
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	
BBMW-41S	6.0 - 16.0	3,773	3,099	1,856	2,819	11,320	5,325	4,689	4,410	4,015	6,915	5,520	6,216	8730	9437	3009	4015	7622	
BBMW-41I	25.0 - 30.0	0	0	0	0	56	348	0	0	202	315	0	0	0	25	0	0	0	
BBMW-41I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	--	--	0	--	--	--	0	
BBMW-41D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	--	--	0	--	--	--	0	
BBMW-42S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	76	48	28	346	44	63	
BBMW-42I	15.0-25.0	--	--	--	--	--	--	--	--	--	--	--	516	778	315	515	8	9	
BBMW-42I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--	--	407	332	334	606	269	103	
BBMW-43S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0	
BBMW-43I	15.0-25.0	--	--	--	--	--	--	--	--	--	--	--	446	40	284	184	22	0	
BBMW-43I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--	--	1	0	0	0	0	4	
IP-51	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
IP-52	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
IP-53	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
IP-54	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
IP-55	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
IP-56	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
IP-57	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
IP-58	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-03S	3.0 - 13.0	7	20	12	4	15	1	29	16	9	23	4	5	15	24	1	2	11	
MW-03D	35.0 - 45.0	0	0	--	0	--	--		0	--	--	--	--	--	--	--	--	--	
MW-05S	4.0 - 14.0	1,311	3,333	6,653	8,398	5,165	4,901	7,344	5,832	6,736	3,214	5,117	4,014	4714	2078	3713	3610	3400	
MW-05D	35.5 - 45.5	14	25	15	17	343	457	19	14	11	10	154	8	260	13	8	10	13	
MW-09S	4.0 - 14.0	0	0	0	0	0	0	0	0	0	0	--	--	0	--	--	--	0	
MW-09I	30.0 - 40.0	0	4	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	
MW-09I2	45.0 - 50.0	0	0	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	
MW-09D	65.0 - 70.0	0	0	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	
OU1PZ-101	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,242	3675	
OU1PZ-102	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15	25	
OU1PZ-103	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	982	367	
OU1PZ-104	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6	14	
OU1PZ-105	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	950	1250	
OU2MW-48S	3.0 - 13.0	0	0	0	0	0	0	0	0	0	0	--	--	0	--	--	--	1	
OU2MW-48I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	--	--	0	--	--	--	0	
OU2MW-48I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	--	--	0	--	--	--	0	
OU2MW-48D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	--	--	0	--	--	--	0	
OU2MW-49S	3.0 - 13.0	0	0	0	0	0	0	0	0	0	0	--	--	0	--	--	--	0	
OU2MW-49I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	--	--	0	--	--	--	0	
OU2MW-49I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	--	--	0	--	--	--	0	
OU2MW-49D	63.0 - 68.0	0	0	0	0	0	0	0	0	0	0	--	--	0	--	--	--	0	
OU2MW-50S	5.0 - 15.0	--	--	--	274	239	0	0	39	10	0	0	0	0	0	0	0	0	
OU2MW-50I	25.0 - 30.0	--	--	--	1	0	1	0	0	0	0	0	0	4	0	24	0	2	
OU2MW-50I2	45.0 - 50.0	--	--	--	0	2	0	0	0	0	0	0	0	0	0	0	0	0	
OU2MW-50D	65.0 - 70.0	--	--	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 4-1. OU-1 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)																	
		Sampling Date																	
		2010			2011				2012				2013			2013	20		
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
OU2MW-51S	5.0 - 15.0	--	--	--	7	6	7	9	6	2	2	4	0	0	--	--	--	0
OU2MW-51I	25.0 - 30.0	--	--	--	0	0	0	0	0	0	0	--	--	0	--	--	--	0
OU2MW-51I2	45.0 - 50.0	--	--	--	3	0	0	0	0	0	0	--	--	0	--	--	--	0
OU2MW-51D	61.0 - 66.0	--	--	--	0	0	0	0	0	0	0	--	--	0	--	--	--	0
OU2MW-57S	5.0 - 15.0	2,082	308	310	242	322	98	174	97	94	82	50	20	26	21	77	16	18
OU2MW-57I	20.0 - 30.0	4,716	71	44	32	114	0	0	28	4	4	0	0	0	0	0	0	0
OU2MW-57I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-16S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-16I	20.0 - 30.0	0	0	44	8	1	18	0	1	157	4	3	0	0	0	2	0	0
OZMW-16I2	35.0 - 45.0	558	855	634	683	671	603	88	466	553	53	282	18	166	3	286	10	5
OZMW-16D	55.0 - 65.0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
OZMW-17S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-17I	20.0 - 30.0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
OZMW-17I2	35.0 - 45.0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-17D	53.0 - 63.0	0	1	0	0	0	0	23	15	0	302	295	445	101	71	122	684	256
OZMW-18S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
OZMW-18I	20.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	221	0	0	0
OZMW-18I2	35.0 - 45.0	5	1	6	0	0	0	4	7	1	24	0	6	0	0	0	0	0
OZMW-18D	55.0 - 65.0	424	186	222	273	158	218	204	274	201	434	203	351	126	0	136	291	138
OZMW-19S	5.0 - 15.0	86	73	493	698	137	4	41	1,792	947	113	146	228	618	321	188	291	43
OZMW-19I	20.0 - 30.0	973	914	689	664	670	606	413	647	535	297	451	501	441	460	240	329	333
OZMW-19I2	35.0 - 45.0	1,332	1,111	924	697	608	1,188	353	528	1,016	519	368	685	574	323	506	563	563
OZMW-19D	55.0 - 65.0	0	49	17	17	20	9	68	0	0	46	22	17	0	0	20	9	4
OZMW-21S	5.0 - 15.0	5,400	6,960	6,730	6,730	7,540	2,903	5,420	5,330	4,283	6,110	6,384	2,122	5471	--	--	--	--
OZMW-21I	20.0 - 30.0	342	446	465	418	407	459	365	453	431	399	366	326	309	--	--	--	--
OZMW-21I2	35.0 - 45.0	115	177	153	175	112	190	175	102	105	380	145	82	57	96	177	135	74
OZMW-21D	55.0 - 65.0	14	12	3	5	4	10	7	0	0	0	0	0	1	--	--	--	--
OZMW-22S/22SR	5.0 - 15.0	3,477	4,121	1,075	1,251	435	614	405	469	263	417	42	225	167	73	16	76	25
OZMW-22I/22IR	20.0 - 30.0	564	214	24	15	0	23	216	191	68	28	72	34	23	2	0	0	5
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-23S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0
OZMW-23I	20.0 - 30.0	0	0	0	0	0	0	0	1	0	0	0	6	0	0	0	0	0
OZMW-23I2	35.0 - 45.0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-23D	55.0 - 65.0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-24S	5.0 - 15.0	13	5	4	6	0	1	2	0	1	4	0	4	0	0	0	0	0
OZMW-24I	20.0 - 30.0	0	0	0	0	0	0	0	24	4	0	0	6	0	0	0	2	0
OZMW-24I2	35.0 - 45.0	191	143	129	158	131	111	674	220	176	181	137	249	194	106	82	139	172
OZMW-24D	55.0 - 65.0	1,164	721	876	1,525	1,394	1,215	1,034	984	946	1,023	809	946	930	583	642	743	611
OZMW-25S	5.0 - 15.0	2,365	2,226	1,145	1,015	2,444	774	1,180	1,468	711	2,278	765	0	1893	818	1317	663	1047
OZMW-25I	20.0 - 30.0	291	355	340	285	409	370	416	477	441	265	299	529	427	420	575	509	571
OZMW-25I2	35.0 - 45.0	196	306	149	100	152	239	37	41	104	90	24	26	91	232	118	26	55
OZMW-25D	55.0 - 65.0	0	0	0	0	17	0	0	0	0	8	0	11	0	9	1	0	0
OZMW-26S	5.0 - 15.0	5	24	11	5	0	0	0	0	0	9	--	--	0	--	0	--	0
OZMW-26I	20.0 - 30.0	0	0	0	0	0	7	9	29	79	34	76	1	7	0	0	4	7
OZMW-26I2	35.0 - 45.0	48	100	200	155	26	47	89	35	5	47	27	12	0	2	57	24	3
OZMW-26D	55.0 - 65.0	0	0	0	0	1	0	1	0	0	0	--	--	0	--	0	--	0

Table 4-1. OU-1 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)													
		Sampling Date													
		14		2015				2016				2017			
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-05D	64.0 - 74.0	949	970	1271	1140	1143	1232	1999	1852	1475	2249.5	1657	814.8	734	1105
BBMW-05D2/D2R	126.5 - 136.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-13D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-20S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-20I	35.0 - 45.0	187	2	7	3	217	2	0	0	3	0	0	1.03	1.62	3.4
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	4501	5040	4069	5141	4960	4276	5907	7065	3974	4739.8	3672	2860.4	3231.3	3430.4
BBMW-22I	30.0 - 40.0	225	241	206	168	198	286	335	309	212	335.3	321	167.5	192	217.2
BBMW-22D	64.0 - 74.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-26S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-26I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-27I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-34S	5.0 - 15.0	116	243	101	170	174	155	365	118.3	68	97.3	221.8	36.81	38.3	39
BBMW-34I	25.0 - 30.0	884	908	960	1060	973	949	1277	998.9	916	1063.3	966.4	735.9	615.8	730.9
BBMW-34I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-34D	65.0 - 70.0	--	0	0	0	3	9	--	0	0	0	0	0	--	--
BBMW-35S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35D	63.0 -68.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-36S	5.0 - 15.0	--	--	--	--	--	--	--	0	--	--	--	0	--	--
BBMW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-37S	5.0 - 10.0	26	89	6	2	17	18	4	11	44	18.1	3.2	1.6	15.9	21.01
BBMW-37I	20.0 - 30.0	413	115	0	0	64	0	0	2	227	0	0	0	10.6	0
BBMW-37I2	35.0 - 45.0	32	38	6	0	3	8	2	0	0	0	0	0	--	--
BBMW-37D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38S	5.0 - 15.0	13	5	349	28	556	757	204	138.1	629	744.5	457.3	164	321.9	581.7
BBMW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-39S	5.0 - 15.0	0	316	0	0	194	269	86	129	146	199.2	102.5	526	147.69	159.57
BBMW-39I	25.0 - 30.0	0	0	--	421	--	0	0	0	0	0	0	1.99	--	--
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-39D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-40S	5.0 - 15.0	42	2105	0	2	445	700	0	1296	0	1883.8	0	188.79	671.6	1052.6
BBMW-40I	25.0 - 30.0	0	0	4	0	0	0	14	0	0	0	5.1	0.23	--	--
BBMW-40I2	45.0 - 50.0	--	--	--	0	--	--	--	--	--	--	0	--	--	--
BBMW-40D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	0	--	--	--

Table 4-1. OU-1 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)													
		Sampling Date													
		14		2015				2016				2017			
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-41S	6.0 - 16.0	4914	4413	9620	13425	5815	5913	3105	4310	5814	6003.1	7296.6	4808.2	4912.4	2600.5
BBMW-41I	25.0 - 30.0	136	0	0	0	0	0	--	124	--	0	0	9.8	0	0
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-41D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-42S	5.0 - 10.0	20	73	19	22	11	10	8	12	10	11.2	11.5	8.5	5.7	5.61
BBMW-42I	15.0-25.0	2	0	0	5	10	0	0	0	0	0	--	1.5	--	--
BBMW-42I2	35.0-45.0	78	17	49	23	7	6	0	9	3	0	--	0	--	--
BBMW-43S	5.0 - 10.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
BBMW-43I	15.0-25.0	0	0	0	0	--	--	--	--	--	--	--	--	--	--
BBMW-43I2	35.0-45.0	--	--	--	8	--	--	--	0	--	--	--	--	--	--
IP-51	14.0 - 15.0	--	--	--	--	225	--	--	--	--	--	--	--	--	--
IP-52	24.0 -25.0	--	--	--	--	234	--	--	--	--	--	--	--	--	--
IP-53	14.0 - 15.0	--	--	--	--	2,297	--	--	--	--	--	--	--	--	--
IP-54	24.0 -25.0	--	--	--	--	3	--	--	--	--	--	--	--	--	--
IP-55	14.0 - 15.0	--	--	--	--	490	--	--	--	--	--	--	--	--	--
IP-56	24.0 -25.0	--	--	--	--	1	--	--	--	--	--	--	--	--	--
IP-57	14.0 - 15.0	--	--	--	--	0	--	--	--	--	--	--	--	--	--
IP-58	24.0 -25.0	--	--	--	--	0	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	5	2	9.5	14	32	28	7	14	0	4.2	1.5	1.25	7.7	--
MW-03D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-05S	4.0 - 14.0	577	3814	2068	3510	3115	2917	3518	2420	2635	3903.3	3191.3	2092.6	1798.7	2003.9
MW-05D	35.5 - 45.5	19	21	16	4	18	24	31	16.6	24	42.3	24	13.7	25.06	32.15
MW-09S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-101	4.0 - 14.0	5713	2773	5507.5	4912	2961	5416	3273	4796	4966	3752.6	4497.2	2823.5	3865.48	2223.17
OU1PZ-102	4.0 - 14.0	195	15	130.9	270	168	147	8	85	92	161.2	50.6	30.06	49.2	57.85
OU1PZ-103	4.0 - 14.0	396	178	312	42	216	214	791	472	1420	245.7	857.8	40.9	69.4	595.9
OU1PZ-104	4.0 - 14.0	4	4	102	36	22	12	10	16	18	11.1	12.6	4.81	6.02	5
OU1PZ-105	4.0 - 14.0	1750	1060	380	880	1740	1070	153	400	280	137.9	111.1	38	94	23.22
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-50I	25.0 - 30.0	5	0	0	0	2	0	0	0	0	0	0	0	0	0
OU2MW-50I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-50D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4-1. OU-1 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)													
		Sampling Date													
		14		2015				2016				2017			
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-51S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51D	61.0 - 66.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	63	17	16	21	28	38	13	16	7	20.7	5.3	2	3.3	18.2
OU2MW-57I	20.0 - 30.0	2	2	0	0	0	89	0	2	2	0	0	0	2.4	0
OU2MW-57I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	1.1	0	0	0	0
OZMW-16S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-16I	20.0 - 30.0	0	0	2	0	1	0	0	0	0	2.2	0	0	0	0
OZMW-16I2	35.0 - 45.0	81	31	2	3	7	69	7	27	16	4.7	0	3.01	1.02	6.6
OZMW-16D	55.0 - 65.0	0	0	0	0	0	0	0	0	0	1.4	5.5	3.75	0	0
OZMW-17S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-17I	20.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-17I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-17D	53.0 - 63.0	45	182	59.5	82	22	50	322	177	36	4.8	15.5	107.3	74.5	52.7
OZMW-18S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	1.4	0	0	0
OZMW-18I	20.0 - 30.0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
OZMW-18I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	46.7	1.21	0	0
OZMW-18D	55.0 - 65.0	158	219	174	159	119	114	102	105	147	132.3	219	148.3	109.44	109
OZMW-19S	5.0 - 15.0	10	52	27	595	411	70	77	694	773	461	762	781.73	901.29	451.24
OZMW-19I	20.0 - 30.0	225	212	281	331	181	117	116	204	179	280.2	230.7	145.3	122.22	83.57
OZMW-19I2	35.0 - 45.0	591	366	220	464	384	616	285	578	512	396.6	439.5	413.2	234.7	188
OZMW-19D	55.0 - 65.0	21	23	3	0	4	16	2	9	43	12.7	5.5	7.18	0.64	26.96
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-21I2	35.0 - 45.0	195	208	213	107	123	246	192	154.5	201	245.3	197.5	74.5	51.7	86.1
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22S/22SR	5.0 - 15.0	0	17	24	49	3	10	30	48	6	0	11.1	14.63	4.06	0.42
OZMW-22I/22IR	20.0 - 30.0	10	--	--	0	--	--	--	1	--	--	--	--	--	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-23S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-23I	20.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-23I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-23D	55.0 - 65.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-24S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	2.8	0	1.22	0.37	4.1
OZMW-24I	20.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.08
OZMW-24I2	35.0 - 45.0	265	233	139	276	203	151	162	100	77	62.9	110.8	127.6	74.1	152.54
OZMW-24D	55.0 - 65.0	809	1021	771	1133	542	895	891	893	681	710.3	874.9	498.93	619	846.6
OZMW-25S	5.0 - 15.0	29	1679.7	375	658	651	652	823	751.9	1035	842	804.7	586.9	756.8	659.1
OZMW-25I	20.0 - 30.0	498	442.4	477	505	401	500	446	496	425	381.3	527	338.3	280	286.3
OZMW-25I2	35.0 - 45.0	275	75.3	15.3	16	102	97	11	3.4	15	37.6	2.7	43.5	86.76	7
OZMW-25D	55.0 - 65.0	0	0	0	0	--	--	--	0	--	--	--	--	--	--
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-26I	20.0 - 30.0	--	--	--	6	--	--	--	0	--	--	--	--	--	--
OZMW-26I2	35.0 - 45.0	6	42	34.4	0	0	48	11	0	2	23	10.8	0	0	1.59
OZMW-26D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-1. OU-1 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)												
		Sampling Date												
		2018				2019				2020			2021	
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
BBMW-05D	64.0 - 74.0	893.9	1020.6	961	1132	1161	1058	981	842	1423	1063	1258	1075	1471
BBMW-05D2/D2R	126.5 - 136.5	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-13D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-20S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-20I	35.0 - 45.0	0	0	44	3.35	1.3	0.98	0.44	0.81	0.71	1	0	0	1.49
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	3026.5	2396.2	2597.3	2192.6	2690.3	2385.6	2924.8	2393.6	2571.1	2095.8	1636.9	1799.3	1468.7
BBMW-22I	30.0 - 40.0	240.1	214.9	198.1	320.6	234.4	234.9	279	353.2	334.3	281.8	391.7	334.4	322.7
BBMW-22D	64.0 - 74.0	--	--	--	--	--	--	--	--	--	--	--	2112.7	--
BBMW-26S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-26I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-27I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-34S	5.0 - 15.0	32.2	56.75	64.8	88.74	57	39.69	76.6	26.65	94.9	8.64	46.29	41.48	27.52
BBMW-34I	25.0 - 30.0	669.5	735.7	745.9	666.5	638.5	646.3	696.3	612.1	602.3	741	503.7	514.9	600.9
BBMW-34I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-34D	65.0 - 70.0	--	0	--	--	--	--	--	--	--	--	--	--	--
BBMW-35S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35D	63.0 -68.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-37S	5.0 - 10.0	0.37	2.1	8.3	0	3.98	3.59	21.77	3.67	6.3	21.3	3.09	3.01	3.47
BBMW-37I	20.0 - 30.0	0	1.58	4.8	0	--	0	--	--	--	1.2	--	--	--
BBMW-37I2	35.0 - 45.0	--	0	--	--	--	--	--	--	--	--	--	--	--
BBMW-37D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38S	5.0 - 15.0	306.5	215	392.5	278.3	204.2	221.9	220.2	157.85	88.07	256.4	47.74	20.7	2.1
BBMW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-39S	5.0 - 15.0	0	78	98.46	49.4	49.96	22.08	27.6	52.8	73.5	72.63	42.7	0	66.22
BBMW-39I	25.0 - 30.0	--	10.7	--	--	--	0	0	--	--	0	--	--	--
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-39D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-40S	5.0 - 15.0	0	0.55	372.59	0	2.98	1.06	2386.9	15.4	436.4	397.65	5.3	0	0
BBMW-40I	25.0 - 30.0	--	0	--	--	--	--	--	--	--	--	--	--	--
BBMW-40I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-40D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-1. OU-1 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)												
		Sampling Date												
		2018				2019				2020			2021	
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
BBMW-41S	6.0 - 16.0	7011.5	4508.7	3308.4	7310	5607	4008.2	4908.4	2804.7	2174.8	3704.6	2113.4	2765.1	3506.2
BBMW-41I	25.0 - 30.0	35	0	0	0	74	0	0	0	0	0	--	--	0
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-41D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-42S	5.0 - 10.0	8	5.4	5.4	4.5	7.2	6.67	4.3	4.2	3.8	2.9	2.99	4	3.7
BBMW-42I	15.0-25.0	--	0	--	--	--	--	--	--	--	--	--	--	--
BBMW-42I2	35.0-45.0	--	0	--	--	--	--	--	--	--	--	--	--	--
BBMW-43S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-43I	15.0-25.0	--	--	0	--	--	4.7	--	--	--	--	--	--	--
BBMW-43I2	35.0-45.0	--	--	0	--	--	0	--	--	--	--	--	--	--
IP-51	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-52	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-53	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-54	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-55	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-56	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-57	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-58	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	0.95	3.93	2.3	0	0	0	0	--	--	0	--	--	0
MW-03D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-05S	4.0 - 14.0	1962.5	1485.8	1742.3	1457.25	953.41	1248.2	1138.9	1223.84	804.1	991	767.67	615.9	766.8
MW-05D	35.5 - 45.5	87.44	16.27	16.6	19.3	17.2	16.8	17.19	23	16.8	26.7	15.6	36	24.1
MW-09S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-101	4.0 - 14.0	2613.3	3684.4	930	1752.4	1020	1872.2	2575.6	1833.2	920	1680	798	760	1350
OU1PZ-102	4.0 - 14.0	133.7	4.8	54.57	6.2	4.85	24.28	131.4	5.6	0	49.15	3	1.64	0
OU1PZ-103	4.0 - 14.0	230.7	489.84	256.7	311.81	1.3	227.4	505.61	123.95	215	1009.4	468.6	492.1	52.1
OU1PZ-104	4.0 - 14.0	0.93	9	2.23	0.98	0	0.49	0	0	--	13	--	--	0.48
OU1PZ-105	4.0 - 14.0	35.96	93.14	52	20.2	46	51	41.66	26	36	29	21.69	21.3	18.6
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-50I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-50I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0	0	3.29
OU2MW-50D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4-1. OU-1 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)												
		Sampling Date												
		2018				2019				2020			2021	
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
OU2MW-51S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51D	61.0 - 66.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	2.8	3.1	4	3	5.3	4.9	8.4	7.7	10.1	6.7	6.1	0	0.39
OU2MW-57I	20.0 - 30.0	0	0.38	1.3	0	2.3	4.9	0.76	0	0	0	0	0	10
OU2MW-57I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-16S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0.58
OZMW-16I	20.0 - 30.0	0	0	0	2.33	0	0	0	0	0	0	0	0	0.63
OZMW-16I2	35.0 - 45.0	2.6	4.5	2.7	0	0	0	0	0	0.66	1.1	1.1	0	0.47
OZMW-16D	55.0 - 65.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-17S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-17I	20.0 - 30.0	0	0	5.04	1.1	0	0	0	0	0	0	0	0	0
OZMW-17I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-17D	53.0 - 63.0	705	1526.63	70.1	137.3	808	97	27.1	72.7	595	28	403	900	375.4
OZMW-18S	5.0 - 15.0	0	0	12.9	3.5	0	0	0	0	0	0	0	0	0
OZMW-18I	20.0 - 30.0	0	0	3.79	0	0	0	0	0	0	0	0	0	0
OZMW-18I2	35.0 - 45.0	0	0	0	1.6	0	0	0	0	1.1	0	0	4	0
OZMW-18D	55.0 - 65.0	312.34	165.27	95.98	71.7	110	54.7	91.71	67.1	55.3	185.2	150.5	63.25	127.3
OZMW-19S	5.0 - 15.0	500.76	470.85	470.67	280.4	211.59	370.55	249	231.67	341.74	223	450.63	242.43	196.62
OZMW-19I	20.0 - 30.0	189.67	195.5	215.7	122.51	157.86	267.4	252.47	105.73	156.8	100.94	69.72	122.81	141.26
OZMW-19I2	35.0 - 45.0	379	313.8	190.8	226.3	320.1	72.63	408	181.07	203.8	202.1	174.64	247.08	226.1
OZMW-19D	55.0 - 65.0	12.66	0	0	12	0	0	0	0	0	0	--	--	--
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	3123	--
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-21I2	35.0 - 45.0	96.5	72.69	56.98	131	84.96	69.84	116.3	165.5	109.68	62.53	131.74	107.49	37
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22S/22SR	5.0 - 15.0	3.6	22.83	3	1.6	22.83	--	5.42	1.4	3.94	6.3	1.7	--	4.4
OZMW-22I/22IR	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-23S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-23I	20.0 - 30.0	0	0	6.4	0	0	0	0	0	0	0	0	0	0
OZMW-23I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-23D	55.0 - 65.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-24S	5.0 - 15.0	0	0	13.3	0	1.06	1.86	0	1.65	0.47	0	0.45	0.42	0
OZMW-24I	20.0 - 30.0	0	0	464.7	3.9	0.71	0	0	0	0	0	0	0	0
OZMW-24I2	35.0 - 45.0	183.569	151.45	110.5	132.46	194.56	121.45	110.47	122.4	100.3	134.5	134.48	145.52	123.46
OZMW-24D	55.0 - 65.0	802.4	687.1	571.84	756.5	670.3	647.1	722	712	551.86	499.65	714.1	640.99	611.76
OZMW-25S	5.0 - 15.0	855.8	534	850.8	754.2	647.4	584.2	690.8	645.6	720.2	438.2	648.3	459.9	581.2
OZMW-25I	20.0 - 30.0	448.4	425.5	354	310.9	411.8	395.2	362	308.9	451.4	369	356.8	376.1	375.9
OZMW-25I2	35.0 - 45.0	4.11	6.61	44.13	15	4.22	5.8	24.73	5.2	1.5	8.7	1.74	0.87	1.69
OZMW-25D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-26I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	0	--
OZMW-26I2	35.0 - 45.0	5.4	0	0	12.7	20.2	0	0	11.19	0	0	5.7	--	0
OZMW-26D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-1. OU-1 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)												
		Sampling Date								Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2021		2022				2023						
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-05D	64.0 - 74.0	1105	--	1284	--	1,541	1,346	1,452	--	0	3,150	1,031	1,346	1,541
BBMW-05D2/D2R	126.5 - 136.5	--	--	--	--	--	--	--	--	0	16	3	0	0
BBMW-13D	62.0 - 72.0	--	--	--	--	--		--	--	0	2	0	0	0
BBMW-20S	4.0 - 14.0	--	--	--	--	--	--	--	--	173	19,133	8,973	0	0
BBMW-20I	35.0 - 45.0	1.2	0	0	0	21	0	0	0	0	217	30	0	21
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--	--	1,359	9,639	3,569	0	0
BBMW-22S	5.0 - 10.0	1263.9	1940.1	1675.7	1408.8	1,672	1,658	1,033	1369.5	1,264	25,800	7,509	1,033	1,672
BBMW-22I	30.0 - 40.0	330.1	526	458.9	336.2	--	--	507	421.3	0	526	202	421	507
BBMW-22D	64.0 - 74.0	--	--	--	--	--	--	--	--	501	8,600	2,510	0	0
BBMW-26S	6.0 - 16.0	--	--	--	--	--	--	--	--	0	0	0	0	0
BBMW-26I	30.0 - 40.0	--	--	--	--	--	--	--	--	0	8	1	0	0
BBMW-27S	5.0 - 15.0	--	--	0	--	--	--	--	--	0	1	0	0	0
BBMW-27I	30.0 - 40.0	--	--	0	--	--	--	--	--	0	0	0	0	0
BBMW-34S	5.0 - 15.0	33.53	113.01	39.2	22	62	74	30	7.7	9	885	232	8	74
BBMW-34I	25.0 - 30.0	547.1	571.9	590.7	447.2	452	435	396	359.9	447	3,757	1,203	360	452
BBMW-34I2	40.0 - 45.0	--	--	--	--	--	--	--	--	39	283	138	0	0
BBMW-34D	65.0 - 70.0	--	--	--	--	--	--	--	--	0	14	2	0	0
BBMW-35S	5.0 - 15.0	--	--	--	--	--	--	--	--	0	0	0	0	0
BBMW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	0	0	0	0	0
BBMW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	0	0	0	0	0
BBMW-35D	63.0 -68.0	--	--	--	--	--	--	--	--	0	2	0	0	0
BBMW-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	0	24	2	0	0
BBMW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	0	0	0	0	0
BBMW-37S	5.0 - 10.0	6.32	5.68	3.53	1.5	10	4.3	1	1.8	0	271	45	1	10
BBMW-37I	20.0 - 30.0	--	--	--	--	--	--	--	--	0	3,922	401	0	0
BBMW-37I2	35.0 - 45.0	--	--	--	--	--	--	--	--	0	412	108	0	0
BBMW-37D	55.0 - 65.0	--	--	--	--	--	--	--	--	0	8	1	0	0
BBMW-38S	5.0 - 15.0	3.43	5.4	54.95	21	63	99	24	68.3	1	757	217	24	99
BBMW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	2	12	6	0	0
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	--	--	--	0	11	6	0	0
BBMW-38D	65.0 - 70.0	--	--	--	--	--	--	--	--	0	12	1	0	0
BBMW-39S	5.0 - 15.0	62.09	13.8	86.65	42.8	1,624	89	58	112.75	0	11,900	2,231	58	1,624
BBMW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	0	421	37	0	0
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	0	5	0	0	0
BBMW-39D	65.0 - 70.0	--	--	--	--	--	--	--	--	0	28	3	0	0
BBMW-40S	5.0 - 15.0	0	5.8	--	0	292	--	0	15.8	0	6,390	910	0	292
BBMW-40I	25.0 - 30.0	--	--	--	--	--	--	--	--	0	67	6	0	0
BBMW-40I2	45.0 - 50.0	--	--	--	--	--	--	--	--	0	2,478	374	0	0
BBMW-40D	70.0 - 75.0	--	--	--	--	--	--	--	--	0	37	4	0	0

Table 4-1. OU-1 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)												
		Sampling Date								Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2021		2022				2023						
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-41S	6.0 - 16.0	3605	3706.6	3205.4	3505.8	4,310	3,409	2,243	5711.1	1,856	13,425	5,037	2,243	5,711
BBMW-41I	25.0 - 30.0	144	--	1	0	0	0	4	0	0	348	32	0	4
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	--	--	--	0	2	0	0	0
BBMW-41D	65.0 - 70.0	--	--	--	--	--	--	--	--	0	0	0	0	0
BBMW-42S	5.0 - 10.0	3.7	3.7	9.3	1.96	2.1	2	1.52	1.63	2	346	25	2	2
BBMW-42I	15.0-25.0	--	--	--	--	--	--	--	--	0	778	120	0	0
BBMW-42I2	35.0-45.0	--	--	--	--	--	--	--	--	0	606	125	0	0
BBMW-43S	5.0 - 10.0	--	--	--	--	--	--	--	--	0	0	0	0	0
BBMW-43I	15.0-25.0	--	--	--	--	--	--	--	--	0	446	82	0	0
BBMW-43I2	35.0-45.0	--	--	--	--	--	--	--	--	0	8	1	0	0
IP-51	14.0 - 15.0	--	--	--	--	--	--	--	--	225	225	225	0	0
IP-52	24.0 -25.0	--	--	--	--	--	--	--	--	234	234	234	0	0
IP-53	14.0 - 15.0	--	--	--	--	--	--	--	--	2,297	2,297	2,297	0	0
IP-54	24.0 -25.0	--	--	--	--	--	--	--	--	3	3	3	0	0
IP-55	14.0 - 15.0	--	--	--	--	--	--	--	--	490	490	490	0	0
IP-56	24.0 -25.0	--	--	--	--	--	--	--	--	1	1	1	0	0
IP-57	14.0 - 15.0	--	--	--	--	--	--	--	--	0	0	0	0	0
IP-58	24.0 -25.0	--	--	--	--	--	--	--	--	0	0	0	0	0
MW-03S	3.0 - 13.0	--	--	--	--	--	--	--	--	0	361	29	0	0
MW-03D	35.0 - 45.0	--	--	--	--	--	--	--	--	0	0	0	0	0
MW-05S	4.0 - 14.0	618.4	945.7	718.8	493.6	1,285	436	508	517.14	494	48,430	8,176	436	1,285
MW-05D	35.5 - 45.5	50	24.8	25.2	16.4	24.2	26.1	23.2	25	0	457	36	23	26
MW-09S	4.0 - 14.0	--	--	0	--	--	--	--	--	0	29	1	0	0
MW-09I	30.0 - 40.0	--	--	0	--	--	--	--	--	0	4	1	0	0
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--	--	0	0	0	0	0
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--	--	0	0	0	0	0
OU1PZ-101	4.0 - 14.0	--	1340	872	1340	848	524	1,320	848	760	5,713	2,742	524	1,320
OU1PZ-102	4.0 - 14.0	226.2	152.5	16.93	0	141	17	14.6	54.79	0	270	70	15	141
OU1PZ-103	4.0 - 14.0	--	65.38	689.2	313.09	516	255	121	129.81	1	1,420	395	121	516
OU1PZ-104	4.0 - 14.0	13.55	--	0	0.38	2.5	7.2	2	0.95	0	102	11	1	7
OU1PZ-105	4.0 - 14.0	36	27.3	10.68	19.6	27	9.1	15	13.3	11	1,750	330	9	27
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--	--	0	8	1	0	0
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	0	1	0	0	0
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-50S	5.0 - 15.0	0	0	0	0	0	0	0.46	0	0	274	12	0	0
OU2MW-50I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	24	1	0	0
OU2MW-50I2	45.0 - 50.0	0	0.72	0.46	0	0	0	0	0	0	3	0	0	0
OU2MW-50D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4-1. OU-1 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)												
		Sampling Date								Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2021		2022				2023						
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
OU2MW-51S	5.0 - 15.0	--	--	--	--	--	--	--	--	0	9	4	0	0
OU2MW-51I	25.0 - 30.0	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-51I2	45.0 - 50.0	--	--	--	--	--	--	--	--	0	3	0	0	0
OU2MW-51D	61.0 - 66.0	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-57S	5.0 - 15.0	1.93	3.2	0.57	0	1.39	4.2	3	0.32	0	2,082	91	0	4
OU2MW-57I	20.0 - 30.0	0	0.84	0	0	0	0	0	0	0	4,716	107	0	0
OU2MW-57I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	1	0	0	0
OZMW-16S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	4,685	82	0	0
OZMW-16I	20.0 - 30.0	0	0	0	0	0	0	0	0	0	775	53	0	0
OZMW-16I2	35.0 - 45.0	0	0.94	16.71	0	0	0	0	1.73	0	855	140	0	2
OZMW-16D	55.0 - 65.0	0.68	0.43	0.93	0	2.2	0.74	0.61	0	0	6	0	0	2
OZMW-17S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	1,664	41	0	0
OZMW-17I	20.0 - 30.0	0	0	0	4.1	0	0	0	0	0	1,316	29	0	0
OZMW-17I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	36	2	0	0
OZMW-17D	53.0 - 63.0	76.5	306.1	204	33.9	16	31	303	205	0	1,527	174	16	303
OZMW-18S	5.0 - 15.0	0	0	0	18.7	0	0	0	0	0	3,160	66	0	0
OZMW-18I	20.0 - 30.0	0	0	0	24.44	0	0	0	0	0	3,600	86	0	0
OZMW-18I2	35.0 - 45.0	0.81	0	0	0	0	0	0.44	43.99	0	201	16	0	44
OZMW-18D	55.0 - 65.0	100.99	199.85	135.85	55.4	100	117	65	96.42	0	612	174	65	117
OZMW-19S	5.0 - 15.0	146.44	170.48	360	350.69	169	391	294	185	0	1,792	359	169	391
OZMW-19I	20.0 - 30.0	76.73	60.38	87.74	76.82	59	49	96	112.28	60	1,143	328	49	112
OZMW-19I2	35.0 - 45.0	155.89	95.67	171.3	80.1	125	140	92	268.6	73	1,332	463	92	269
OZMW-19D	55.0 - 65.0	--	--	--	0	--	--	--	--	0	76	13	0	0
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	2,122	8,270	5,449	0	0
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	--	--	309	542	410	0	0
OZMW-21I2	35.0 - 45.0	42	21.7	95.47	50	54	77	58	46	22	380	129	46	77
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	--	--	0	14	5	0	0
OZMW-22S/22SR	5.0 - 15.0	--	--	--	1.2	0	--	--	--	0	11,947	1,378	0	0
OZMW-22I/22IR	20.0 - 30.0	--	--	--	--	--	--	--	--	0	607	77	0	0
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	0	2	0	0	0
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	0	0	0	0	0
OZMW-23S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	13	0	0	0
OZMW-23I	20.0 - 30.0	0	0	0	1.85	0	0	0	0	0	8	0	0	0
OZMW-23I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	11	0	0	0
OZMW-23D	55.0 - 65.0	0	0	0	0	0	0	0	0	0	33	2	0	0
OZMW-24S	5.0 - 15.0	0.36	0.48	0.48	0	0.38	0.32	0.33	0	0	25	2	0	0
OZMW-24I	20.0 - 30.0	0	0	0	293.82	1.33	0	0	83.46	0	465	16	0	83
OZMW-24I2	35.0 - 45.0	145.68	156.52	135.53	103	159	149	125	97.49	63	674	158	97	159
OZMW-24D	55.0 - 65.0	741.94	699.69	711.2	726.9	668	604	591	459.5	499	1,595	836	460	668
OZMW-25S	5.0 - 15.0	724.6	1079.3	1334.1	408.8	621	244	406	191.91	0	3,070	1,033	192	621
OZMW-25I	20.0 - 30.0	348.9	344.8	374	365.7	325	354	359	411.8	198	575	392	325	412
OZMW-25I2	35.0 - 45.0	1.36	1.37	0	0	4	1	0	0	0	306	67	0	4
OZMW-25D	55.0 - 65.0	--	--	--	--	--	--	--	--	0	17	2	0	0
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	--	--	0	44	8	0	0
OZMW-26I	20.0 - 30.0	--	--	--	--	--	--	--	--	0	79	12	0	0
OZMW-26I2	35.0 - 45.0	0	5.9	0.71	0	0	0	0	0	0	393	34	0	0
OZMW-26D	55.0 - 65.0	--	--	--	--	--	--	--	--	0	1	0	0	0

'Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		1992	1999		2002			2003			2004			
		Sep	Sep	Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb/Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec
BBMW-05D	64.0 - 74.0	--	--	3,249	4,181	--	2,247	1,800	--	--	3,187	--	--	--
BBMW-05D2/D2R	126.5 - 136.5	--	--	--	147	0	--	--	--	--	--	--	--	--
BBMW-13D	62.0 - 72.0	--	--	0	40	--	--	--	--	--	0	--	--	--
BBMW-20S	4.0 - 14.0	--	--	--	2,248	--	3,080	15,000	--	--	3,408	--	1,758	--
BBMW-20I	35.0 - 45.0	--	--	--	7,134	--	7,900	7,400	--	--	6,939	--	6,956	--
BBMW-20D	62.0 - 72.0	--	--	--	14,594	--	7,300	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	--	--	--	3,954	--	3,700	2,500	3,608	--	2,400	2,042	4,460	4,780
BBMW-22I	30.0 - 40.0	--	--	--	8,810	--	8,000	3,500	--	--	7,240	--	--	--
BBMW-22D	64.0 - 74.0	--	--	--	11,436	--	8,808	5,300	--	--	145,100	--	--	--
BBMW-26S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-26I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-27I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-34I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-34D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35I2	45.0-50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35D	63.0-68.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-37S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-37I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-37I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-37D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		1992	1999		2002			2003			2004			
		Sep	Sep	Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb/Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec
BBMW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-39D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-40I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-40I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-40D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-41S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-41I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-41D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-42S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-42I	15.0-25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-42I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-43S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-43I	15.0-25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-43I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-51	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-52	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-53	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-54	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-55	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-56	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-57	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-58	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	620	17	1,425	104	--	--	--	120	20	0	28	25	0
MW-03D	35.0 - 45.0	0	0	0	0	--	--	--	--	--	184	--	--	--
MW-05S	4.0 - 14.0	5,514	2,360	2,964	2,682	--	2,100	1,600	--	--	2,783	--	--	--
MW-05D	35.5 - 45.5	4,292	3,959	4,944	2,501	--	4,560	2,600	--	--	3,214	--	--	--

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		1992	1999		2002			2003			2004			
		Sep	Sep	Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb/Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec
MW-09S	4.0 - 14.0	0	--	0	--	0	74	0	--	--	0	--	--	0
MW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-101	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-102	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-103	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-104	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-105	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50I2	45.0-50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50D	65.0-70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51I2	45.0-50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51D	61.0-66.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		1992	1999		2002			2003			2004			
		Sep	Sep	Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb/Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-19S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-19I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-19D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22S/22SR	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22I/22IR	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-23I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-23I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-23D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-24I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-24I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-24D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-25I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-25I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-25D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-26I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-26D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		2005				2006				2007				2008
		Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar
BBMW-05D	64.0 - 74.0	3,109	--	--	--	2,924	352	4,492	2,386	2,371	1,233	40	930	981
BBMW-05D2/D2R	126.5 - 136.5	--	--	--	--	0	--	--	--	--	--	--	--	0
BBMW-13D	62.0 - 72.0	0	--	--	--	0	--	--	--	0	0	0	0	0
BBMW-20S	4.0 - 14.0	--	--	--	2,483	--	--	1,365	2,179	1,819	1,343	860	--	--
BBMW-20I	35.0 - 45.0	--	--	--	8,636	--	--	7,722	5,749	7,160	2,189	2,033	452	75
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--	--	2,289	4,688	5,460	--	--
BBMW-22S	5.0 - 10.0	2,640	143	4,549	--	4,131	2,214	--	--	1,634	2,931	3,629	3,189	24
BBMW-22I	30.0 - 40.0	5,865	--	--	--	7,114	--	--	--	4,696	4,283	4,879	5,212	5,536
BBMW-22D	64.0 - 74.0	4,418	--	--	--	6,288	--	--	--	2,725	3,310	5,374	8,516	4,257
BBMW-26S	6.0 - 16.0	0	--	--	--	0	--	--	--	0	0	0	24	0
BBMW-26I	30.0 - 40.0	0	--	--	--	0	--	--	--	0	0	1	--	0
BBMW-27S	5.0 - 15.0	--	--	--	--	0	--	--	--	0	0	0	0	0
BBMW-27I	30.0 - 40.0	0	--	--	--	0	--	--	--	0	0	0	--	0
BBMW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-34I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-34I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-34D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35I2	45.0-50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35D	63.0-68.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-37S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-37I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-37I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-37D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		2005				2006				2007				2008
		Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar
BBMW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-39D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-40I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-40I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-40D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-41S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-41I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-41D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-42S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-42I	15.0-25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-42I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-43S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-43I	15.0-25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-43I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-51	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-52	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-53	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-54	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-55	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-56	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-57	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-58	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	--	0	21	0	25	11	0	0	0	0	9	0	0
MW-03D	35.0 - 45.0	--	--	--	--	0	--	--	--	0	0	0	2	0
MW-05S	4.0 - 14.0	2,144	--	--	--	2,220	1,647	2,493	1,652	1,647	1,294	1,630	1,431	1,699
MW-05D	35.5 - 45.5	2,842	--	--	--	2,456	435	1,984	3,122	1,113	142	55	741	2,644

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		2005				2006				2007				2008
		Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar
MW-09S	4.0 - 14.0	--	--	--	--	0	--	--	--	0	0	0	0	0
MW-09I	30.0 - 40.0	--	--	--	--	0	--	--	--	0	0	2	--	4
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-101	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-102	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-103	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-104	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-105	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50I2	45.0-50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50D	65.0-70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51I2	45.0-50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51D	61.0-66.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	830
OZMW-16I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	1,447
OZMW-16I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	0
OZMW-16D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	1

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		2005				2006				2007				2008
		Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar
OZMW-17S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	1,963
OZMW-17I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	5,197
OZMW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	7
OZMW-17D	53.0 - 63.0	--	--	--	--	--	--	--	--	--	--	--	--	27
OZMW-18S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	569
OZMW-18I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	2,312
OZMW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	8,178
OZMW-18D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	1,684
OZMW-19S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-19I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-19D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22S/22SR	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	2,191
OZMW-22I/22IR	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	0
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	0
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	0
OZMW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-23I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-23I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-23D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-24I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-24I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-24D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-25I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-25I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-25D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-26I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-26D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		2008			2009				2010				2011	
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
BBMW-05D	64.0 - 74.0	1,203	1,555	1,165	786	2,767	186	1,704	2,711	1,400	2,098	1,556	2,751	2,004
BBMW-05D2/D2R	126.5 - 136.5	--	--	--	0	--	--	--	--	--	0	0	0	0
BBMW-13D	62.0 - 72.0	--	--	--	0	--	--	--	0	0	0	0	0	--
BBMW-20S	4.0 - 14.0	--	--	--	0	--	--	--	--	--	--	--	--	--
BBMW-20I	35.0 - 45.0	48	348	165	1,150	137	657	78	157	37	471	15	516	47
BBMW-20D	62.0 - 72.0	--	--	--	0	--	--	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	25	1,961	1,972	1,664	986	2,329	3,239	4,564	3,290	3,210	2,584	2,744	4,284
BBMW-22I	30.0 - 40.0	4,290	4,686	4,680	4,949	6,539	4,155	5,071	5,634	6,469	4,653	5,761	5,237	6,417
BBMW-22D	64.0 - 74.0	4,894	6,442	5,681	5,140	8,539	5,411	3,812	4,425	4,301	5,276	4,413	4,434	7,346
BBMW-26S	6.0 - 16.0	--	--	--	0	--	--	--	0	--	--	--	0	--
BBMW-26I	30.0 - 40.0	--	--	--	0	--	--	--	0	--	--	--	0	--
BBMW-27S	5.0 - 15.0	0	2	0	0	0	0	0	0	0	0	0	0	0
BBMW-27I	30.0 - 40.0	--	--	--	0	0	--	--	0	--	--	--	0	--
BBMW-34S	5.0 - 15.0	--	--	--	--	--	969	524	612	440	468	409	556	435
BBMW-34I	25.0 - 30.0	--	--	--	--	--	2,223	1,887	3,283	1,592	2,562	2,390	2,175	2,922
BBMW-34I2	40.0 - 45.0	--	--	--	--	--	2,033	2,126	2,219	1,643	1,534	2,080	2,040	2,335
BBMW-34D	65.0 - 70.0	--	--	--	--	--	478	256	237	148	120	109	239	85
BBMW-35S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--	0	0
BBMW-35I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	0	0
BBMW-35I2	45.0-50.0	--	--	--	--	--	--	--	--	--	--	--	0	0
BBMW-35D	63.0-68.0	--	--	--	--	--	--	--	--	--	--	--	0	0
BBMW-36S	5.0 - 15.0	--	--	--	--	--	--	0	2	2	23	3	4	3
BBMW-36I	25.0 - 30.0	--	--	--	--	--	--	0	0	0	0	0	0	0
BBMW-37S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-37I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-37I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-37D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38S	5.0 - 15.0	--	--	--	--	--	13	14	0	25	50	69	4	6

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		2008			2009				2010				2011	
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
BBMW-38I	25.0 - 30.0	--	--	--	--	--	131	1,075	732	660	212	691	761	275
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	706	931	211	574	116	202	402	603
BBMW-38D	65.0 - 70.0	--	--	--	--	--	0	0	0	0	0	0	0	0
BBMW-39S	5.0 - 15.0	--	--	--	--	--	914	488	1,627	18	761	150	0	1,344
BBMW-39I	25.0 - 30.0	--	--	--	--	--	45	1	0	231	2	0	78	4
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	0	0	0	0	0	0	0	0
BBMW-39D	65.0 - 70.0	--	--	--	--	--	0	0	0	0	0	0	0	0
BBMW-40S	5.0 - 15.0	--	--	--	--	--	1,322	73	0	0	4,533	899	0	8
BBMW-40I	25.0 - 30.0	--	--	--	--	--	51	3	24	8	25	5	37	13
BBMW-40I2	45.0 - 50.0	--	--	--	--	--	0	0	0	0	0	0	0	0
BBMW-40D	70.0 - 75.0	--	--	--	--	--	0	0	0	0	0	0	0	0
BBMW-41S	6.0 - 16.0	--	--	--	--	--	3,264	623	1,532	5	764	0	421	2,372
BBMW-41I	25.0 - 30.0	--	--	--	--	--	0	0	0	0	0	0	0	28
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	0	4	0	0	0	0	0	0
BBMW-41D	65.0 - 70.0	--	--	--	--	--	0	4	0	0	0	0	0	0
BBMW-42S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-42I	15.0-25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-42I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-43S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-43I	15.0-25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-43I2	35.0-45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-51	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-52	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-53	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-54	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-55	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-56	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-57	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-58	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	0	--	--	0	0	--	--	1	0	3	0	0	2
MW-03D	35.0 - 45.0	--	--	--	0	0	--	--	0	0	0	--	0	--
MW-05S	4.0 - 14.0	144	1,306	7	1,052	1	226	1,879	2,080	309	1,279	1,149	1,076	582
MW-05D	35.5 - 45.5	390	1,988	107	232	9	138	711	809	742	1,996	1,039	1,094	1,064

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		2008			2009				2010				2011	
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
MW-09S	4.0 - 14.0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-09I	30.0 - 40.0	--	--	--	0	--	--	--	0	0	0	--	0	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	0	0	0	0	0	--	0	--
MW-09D	65.0 - 70.0	--	--	--	--	--	0	0	0	0	0	--	0	--
OU1PZ-101	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-102	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-103	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-104	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-105	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48S	3.0 - 13.0	--	--	--	--	3	4	0	0	0	0	0	0	0
OU2MW-48I	25.0 - 30.0	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-48I2	45.0 - 50.0	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-48D	65.0 - 70.0	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-49S	3.0 - 13.0	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-49I	25.0 - 30.0	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-49I2	45.0 - 50.0	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-49D	63.0 - 68.0	--	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-50S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--	120	95
OU2MW-50I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	0	0
OU2MW-50I2	45.0-50.0	--	--	--	--	--	--	--	--	--	--	--	0	2
OU2MW-50D	65.0-70.0	--	--	--	--	--	--	--	--	--	--	--	0	0
OU2MW-51S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--	0	0
OU2MW-51I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	0	0
OU2MW-51I2	45.0-50.0	--	--	--	--	--	--	--	--	--	--	--	0	0
OU2MW-51D	61.0-66.0	--	--	--	--	--	--	--	--	--	--	--	1	0
OU2MW-57S	5.0 - 15.0	--	--	--	--	--	--	--	--	375	70	268	3	235
OU2MW-57I	20.0 - 30.0	--	--	--	--	--	--	--	--	72	0	0	0	16
OU2MW-57I2	35.0 - 45.0	--	--	--	--	--	--	--	--	0	0	0	0	0
OZMW-16S	5.0 - 15.0	2	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-16I	20.0 - 30.0	39	22	440	153	72	1,167	31	0	0	0	0	3	0
OZMW-16I2	35.0 - 45.0	219	0	159	6	178	2,002	2,844	160	809	171	422	5,792	1,195
OZMW-16D	55.0 - 65.0	0	0	0	0	0	1	1	0	0	0	0	11	2

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		2008			2009				2010				2011	
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
OZMW-17S	5.0 - 15.0	1	0	0	0	0	0	1	0	0	0	1	0	0
OZMW-17I	20.0 - 30.0	5	0	0	0	12	0	3	0	0	0	0	0	0
OZMW-17I2	35.0 - 45.0	0	2	0	0	62	0	7	6	0	0	0	9	0
OZMW-17D	53.0 - 63.0	0	0	3	2	0	4	65	391	12	5	5	8	8
OZMW-18S	5.0 - 15.0	15	0	2	0	0	0	0	0	0	0	0	0	0
OZMW-18I	20.0 - 30.0	625	7	600	9	149	68	15	1	0	0	0	0	0
OZMW-18I2	35.0 - 45.0	7,353	11,417	10,065	7,728	8,917	10,984	7,375	676	88	36	30	249	0
OZMW-18D	55.0 - 65.0	461	0	1,279	435	1,166	1,586	2,031	1,515	629	890	1,328	1,642	594
OZMW-19S	5.0 - 15.0	--	--	--	--	--	--	409	44	74	241	214	1,016	242
OZMW-19I	20.0 - 30.0	--	--	--	--	--	--	4,299	2,849	2,632	2,982	3,529	2,814	2,048
OZMW-19I2	35.0 - 45.0	--	--	--	--	--	--	5,346	4,551	1,409	4,346	382	4,856	1,761
OZMW-19D	55.0 - 65.0	--	--	--	--	--	--	471	485	0	245	398	557	178
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	4,403	2,697	3,466	5,177	5,130	5,292	6,351
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	4,402	6,135	5,202	5,315	6,052	4,487	6,915
OZMW-21I2	35.0 - 45.0	--	--	--	--	--	--	4,012	5,131	4,742	5,972	5,259	2,648	6,727
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	952	933	707	684	494	332	409
OZMW-22S/22SR	5.0 - 15.0	2,555	1,449	1,684	1,850	971	2,406	1,108	--	1,347	1,588	6	6	110
OZMW-22I/22IR	20.0 - 30.0	0	1	0	95	0	3	7	--	220	4	0	1	0
OZMW-22I2	35.0 - 45.0	0	0	0	0	0	0	0	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	0	0	49	0	0	0	0	--	--	--	--	--	--
OZMW-23S	5.0 - 15.0	--	--	--	--	--	--	25	0	1	0	0	0	1
OZMW-23I	20.0 - 30.0	--	--	--	--	--	--	0	0	0	0	0	0	0
OZMW-23I2	35.0 - 45.0	--	--	--	--	--	--	6	0	0	0	0	7	0
OZMW-23D	55.0 - 65.0	--	--	--	--	--	--	38	51	26	3	3	0	1
OZMW-24S	5.0 - 15.0	--	--	--	--	--	--	6	0	160	0	0	5	47
OZMW-24I	20.0 - 30.0	--	--	--	--	--	--	0	0	0	0	0	0	0
OZMW-24I2	35.0 - 45.0	--	--	--	--	--	--	4,805	5,033	5,122	3,128	3,405	4,719	5,641
OZMW-24D	55.0 - 65.0	--	--	--	--	--	--	5,323	4,857	5,198	2,399	3,219	3,383	5,508
OZMW-25S	5.0 - 15.0	--	--	--	--	4,595	3,968	3,480	2,919	3,550	3,504	6,452	79	3,783
OZMW-25I	20.0 - 30.0	--	--	--	--	3,276	849	4,046	3,756	3,252	292	6,045	1,886	3,289
OZMW-25I2	35.0 - 45.0	--	--	--	--	29	51	162	482	730	162	881	588	585
OZMW-25D	55.0 - 65.0	--	--	--	--	0	0	54	96	33	0	69	82	100
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	1	0	0	3	2	4	2
OZMW-26I	20.0 - 30.0	--	--	--	--	--	--	0	0	0	0	0	0	0
OZMW-26I2	35.0 - 45.0	--	--	--	--	--	--	60	23	0	0	176	61	0
OZMW-26D	55.0 - 65.0	--	--	--	--	--	--	0	7	0	0	0	0	5

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		2011		2012				2013				2014		
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
BBMW-05D	64.0 - 74.0	0	0	78	2,052	1,409	1,412	3,244	1380	1441	2841	2382	2045	2154
BBMW-05D2/D2R	126.5 - 136.5	0	0	0	0	0	--	--	--	--	--	--	--	--
BBMW-13D	62.0 - 72.0	--	--	1	--	--	--	--	--	--	--	--	--	--
BBMW-20S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-20I	35.0 - 45.0	1	497	633	706	489	354	688	371	388	93	350	258	674
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	1,574	576	3,388	2,628	2,790	4,110	2,561	2775	3646	6024	3803	2180	3261
BBMW-22I	30.0 - 40.0	5,304	4,215	7,155	7,755	2,505	4,656	3,930	3731	4026	6084	4348	4319	4561
BBMW-22D	64.0 - 74.0	5,996	4,744	5,388	6,319	4,598	4,350	6,103	4352	--	--	--	--	--
BBMW-26S	6.0 - 16.0	--	--	0	--	--	--	--	--	--	--	--	--	--
BBMW-26I	30.0 - 40.0	--	--	0	--	--	--	--	--	--	--	--	--	--
BBMW-27S	5.0 - 15.0	0	0	0	0	0	--	--	0	--	--	--	0	--
BBMW-27I	30.0 - 40.0	--	--	0	--	--	--	--	--	--	--	--	--	--
BBMW-34S	5.0 - 15.0	195	370	540	111	128	100	121	95	109	117	430	96	117
BBMW-34I	25.0 - 30.0	2,783	2,428	3,307	2,208	1,870	2,000	1,695	1929	1198	2606	2501	3039	1947
BBMW-34I2	40.0 - 45.0	2,139	2,087	1,907	1,758	2,005	1,527	1,583	1431	--	--	--	--	--
BBMW-34D	65.0 - 70.0	54	49	335	53	51	46	70	45	--	--	--	54	--
BBMW-35S	5.0-15.0	0	0	0	0	0	--	--	0	--	--	--	0	--
BBMW-35I	25.0-30.0	0	0	0	0	0	--	--	2	--	--	--	0	--
BBMW-35I2	45.0-50.0	0	0	0	0	0	--	--	0	--	--	--	0	--
BBMW-35D	63.0-68.0	0	0	0	0	0	--	--	0	--	--	--	0	--
BBMW-36S	5.0 - 15.0	0	0	0	15	0	--	--	2	--	--	--	0	--
BBMW-36I	25.0 - 30.0	0	0	0	0	0	--	--	0	--	--	--	0	--
BBMW-37S	5.0 - 10.0	--	520	270	511	--	367	217	0	12	383	4	16	7
BBMW-37I	20.0 - 30.0	--	2,506	1,655	2,228	--	1,363	860	110	1697	8853	846	204	247
BBMW-37I2	35.0 - 45.0	--	1,219	1,234	1,186	--	599	1,222	111	903	877	319	15	10
BBMW-37D	55.0 - 65.0	--	7	0	0	--	0	0	0	--	--	--	4	--
BBMW-38S	5.0 - 15.0	14	5	2	0	0	49	20	46	81	234	162	142	6

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		2011		2012				2013				2014		
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
BBMW-38I	25.0 - 30.0	365	468	653	510	766	435	620	381	--	--	--	--	--
BBMW-38I2	40.0 - 45.0	759	167	983	998	773	297	1,155	718	--	--	--	--	--
BBMW-38D	65.0 - 70.0	2	0	0	0	0	0	0	0	--	--	--	13	--
BBMW-39S	5.0 - 15.0	1,220	405	2,988	62	1,283	1,906	2,674	34	2088	137	142	154	0
BBMW-39I	25.0 - 30.0	29	14	39	29	46	17	33	0	433	4	2	0	2
BBMW-39I2	45.0 - 50.0	0	0	0	16	0	0	0	0	0	--	--	0	--
BBMW-39D	65.0 - 70.0	0	0	3	0	0	0	0	0	--	--	--	0	--
BBMW-40S	5.0 - 15.0	3,314	0	0	0	30	1,548	2,421	2654	2548	1808	528	0	11
BBMW-40I	25.0 - 30.0	100	17	34	41	46	11	29	18	38	16	30	25	20
BBMW-40I2	45.0 - 50.0	0	0	0	2,264	1,950	0	0	0	0	0	--	0	--
BBMW-40D	70.0 - 75.0	0	0	0	0	0	--	--	0	--	--	--	0	--
BBMW-41S	6.0 - 16.0	3,693	782	1,449	1,167	1,006	617	2,213	1888	2473	1613	1925	2112	2024
BBMW-41I	25.0 - 30.0	47	0	0	54	68	0	0	0	16	0	0	0	63
BBMW-41I2	45.0 - 50.0	0	0	0	0	2	--	--	0	--	--	--	0	--
BBMW-41D	65.0 - 70.0	0	0	0	0	2	--	--	0	--	--	--	0	--
BBMW-42S	5.0 - 10.0	--	--	--	--	--	--	608	286	403	720	539	446	364
BBMW-42I	15.0-25.0	--	--	--	--	--	--	1,181	1107	666	1110	80	9	5
BBMW-42I2	35.0-45.0	--	--	--	--	--	--	2,504	1163	2090	1625	496	104	244
BBMW-43S	5.0 - 10.0	--	--	--	--	--	--	0	0	0	0	0	0	--
BBMW-43I	15.0-25.0	--	--	--	--	--	--	552	53	262	48	3	0	0
BBMW-43I2	35.0-45.0	--	--	--	--	--	--	0	0	0	0	0	7	--
IP-51	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-52	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-53	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-54	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-55	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-56	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-57	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-58	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	0	2	2	0	7	0	0	0	2	1	0	2	0
MW-03D	35.0 - 45.0	--		0	--	--	--	--	--	--	--	--	--	--
MW-05S	4.0 - 14.0	1,807	17	1,680	886	1,250	1,306	1,516	1063	507	1546	1789	1115	27
MW-05D	35.5 - 45.5	2,620	789	2,242	843	1,611	1,254	1,617	1137	1944	1476	1775	1513	2330

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		2011		2012				2013				2014		
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
MW-09S	4.0 - 14.0	0	0	0	0	0	--	--	0	--	--	--	0	--
MW-09I	30.0 - 40.0	--	--	0	--	--	--	--	--	--	--	--	--	--
MW-09I2	45.0 - 50.0	--	--	0	--	--	--	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	0	--	--	--	--	--	--	--	--	--	--
OU1PZ-101	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	365	814	1146
OU1PZ-102	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	0	0	7
OU1PZ-103	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	779	311	153
OU1PZ-104	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	0	2	1
OU1PZ-105	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	322	369	409
OU2MW-48S	3.0 - 13.0	0	0	0	0	0	--	--	0	--	--	--	0	--
OU2MW-48I	25.0 - 30.0	0	0	0	0	0	--	--	0	--	--	--	0	--
OU2MW-48I2	45.0 - 50.0	0	0	0	0	0	--	--	0	--	--	--	0	--
OU2MW-48D	65.0 - 70.0	0	0	0	0	0	--	--	0	--	--	--	0	--
OU2MW-49S	3.0 - 13.0	0	0	0	0	0	--	--	0	--	--	--	0	--
OU2MW-49I	25.0 - 30.0	0	0	0	0	0	--	--	0	--	--	--	0	--
OU2MW-49I2	45.0 - 50.0	0	0	0	0	0	--	--	0	--	--	--	0	--
OU2MW-49D	63.0 - 68.0	0	0	0	0	0	--	--	0	--	--	--	0	--
OU2MW-50S	5.0-15.0	0	0	9	5	0	0	0	0	0	0	3	0	0
OU2MW-50I	25.0-30.0	9	4	1	2	0	0	0	0	2	66	3	0	30
OU2MW-50I2	45.0-50.0	0	0	0	0	0	0	0	0	0	0	1	0	0
OU2MW-50D	65.0-70.0	0	0	0	3	0	0	0	0	0	0	0	0	0
OU2MW-51S	5.0-15.0	26	19	0	13	5	9	8	4	--	--	--	4	--
OU2MW-51I	25.0-30.0	0	0	0	5	0	--	--	0	--	--	--	0	--
OU2MW-51I2	45.0-50.0	0	0	0	0	0	--	--	0	--	--	--	0	--
OU2MW-51D	61.0-66.0	0	2	0	0	0	--	--	0	--	--	--	0	--
OU2MW-57S	5.0 - 15.0	127	0	94	87	69	31	0	64	66	72	85	47	47
OU2MW-57I	20.0 - 30.0	0	18	13	15	13	21	27	13	18	0	26	44	67
OU2MW-57I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-16S	5.0 - 15.0	0	2	0	1	6	0	0	0	0	2	0	0	0
OZMW-16I	20.0 - 30.0	8	5	0	18	13	0	0	0	0	0	0	0	0
OZMW-16I2	35.0 - 45.0	3,138	542	2,192	1,973	151	1,220	8	1330	1	97	26	1	56
OZMW-16D	55.0 - 65.0	24	68	18	3	0	1	0	0	0	0	11	1	44

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		2011		2012				2013				2014		
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
OZMW-17S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	2	0	0	0
OZMW-17I	20.0 - 30.0	0	0	1	0	0	13	0	0	0	2	3	0	0
OZMW-17I2	35.0 - 45.0	0	9	2	0	18	0	0	0	13	0	0	5	0
OZMW-17D	53.0 - 63.0	10	725	345	33	1,821	1,750	1,451	937	1283	1089	2218	1458	693
OZMW-18S	5.0 - 15.0	0	0	0	1	0	7	0	0	0	0	0	0	0
OZMW-18I	20.0 - 30.0	0	0	0	14	0	0	0	0	0	0	0	0	0
OZMW-18I2	35.0 - 45.0	0	12	56	222	955	61	139	17	98	2	32	0	2
OZMW-18D	55.0 - 65.0	2,635	1,907	2,913	1,536	3,337	1,729	5,445	1361	2898	1751	1661	957	306
OZMW-19S	5.0 - 15.0	55	244	881	517	173	558	8	659	334	641	536	182	5
OZMW-19I	20.0 - 30.0	2,065	2,708	4,325	3,620	1,188	3,790	2,635	3396	3501	3079	3114	1631	508
OZMW-19I2	35.0 - 45.0	7,531	272	2,016	3,258	2,854	2,303	1,552	1929	1689	5205	2470	2269	5046
OZMW-19D	55.0 - 65.0	661	75	36	25	294	41	55	8	28	193	326	275	658
OZMW-21S	5.0 - 15.0	2,966	6,618	6,333	4,167	2,943	4,334	1,152	3151	--	--	--	--	--
OZMW-21I	20.0 - 30.0	5,702	2,458	4,873	7,522	3,598	3,299	3,317	3872	--	--	--	--	--
OZMW-21I2	35.0 - 45.0	5,458	5,163	5,757	6,158	5,128	4,620	3,747	5955	4298	6515	4630	4476	5528
OZMW-21D	55.0 - 65.0	453	195	157	162	183	89	56	147	--	--	--	--	--
OZMW-22S/22SR	5.0 - 15.0	61	1	122	8	122	0	3	11	5	1	5	5	0
OZMW-22I/22IR	20.0 - 30.0	20	1	89	28	16	39	11	8	0	0	0	0	6
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-23S	5.0 - 15.0	1	1	0	0	1	0	17	0	0	0	0	0	0
OZMW-23I	20.0 - 30.0	0	0	0	0	1	0	6	0	0	0	0	0	0
OZMW-23I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	0	1
OZMW-23D	55.0 - 65.0	0	0	3	0	1	0	0	1	0	0	0	2	0
OZMW-24S	5.0 - 15.0	9	8	17	12	11	7	32	2	3	4	1	0	0
OZMW-24I	20.0 - 30.0	0	0	208	14	0	0	47	0	0	0	2	0	0
OZMW-24I2	35.0 - 45.0	5,416	1,228	3,527	4,819	2,656	4,228	4,502	4999	2517	5521	3549	3092	4424
OZMW-24D	55.0 - 65.0	3,042	4,121	3,300	3,090	2,846	2,075	3,309	3137	2527	4297	2594	2451	2783
OZMW-25S	5.0 - 15.0	4,336	237	3,228	1,842	3,306	4,753	69	2432	529	5255	3058	2022	59
OZMW-25I	20.0 - 30.0	3,887	1,857	3,721	4,022	4,223	3,996	3,748	3767	3507	3787	3167	2244	3842
OZMW-25I2	35.0 - 45.0	1,040	149	322	696	402	324	328	492	1039	640	285	229	1419
OZMW-25D	55.0 - 65.0	47	73	85	55	41	67	133	60	66	43	22	0	0
OZMW-26S	5.0 - 15.0	1	1	5	0	0	--	--	1	--	1	--	0	--
OZMW-26I	20.0 - 30.0	0	0	52	22	26	182	0	0	0	0	2	4	--
OZMW-26I2	35.0 - 45.0	41	163	54	17	96	38	27	0	2	65	53	0	15
OZMW-26D	55.0 - 65.0	1	4	0	2	0	--	--	0	--	0	--	0	--

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		2014	2015				2016				2017			
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-05D	64.0 - 74.0	1830	2834	2185	1561	2129	1895	1939	1846	3137.7	3038	1227.2	1555	1776
BBMW-05D2/D2R	126.5 - 136.5	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-13D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-20S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-20I	35.0 - 45.0	220	219	428	364	140	209	204	257	260.5	184.1	287.52	13	184.6
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	3376	4020	2711	3210	3306	1944	1404	2406	3638.1	3379.1	1177.5	2719	2232
BBMW-22I	30.0 - 40.0	4708	7567	4596	3033	4090	5671	2704	3568	5002.5	4985.6	3034	3678	2662
BBMW-22D	64.0 - 74.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-26S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-26I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-27I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-34S	5.0 - 15.0	158	112	100	103	97	195	207	177	177.7	697	105.5	92.2	122.9
BBMW-34I	25.0 - 30.0	3005	2108	2069	2443	1360	1755	1372	1559	2610.5	2533.4	2174	2189.2	1566.1
BBMW-34I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-34D	65.0 - 70.0	58	64	24	32	45	--	35	0	8.8	33.3	56.6	--	--
BBMW-35S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35I2	45.0-50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35D	63.0-68.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-36S	5.0 - 15.0	--	--	--	--	--	--	0	--	--	--	0	--	--
BBMW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-37S	5.0 - 10.0	115	5	8	2	22	2	6	20	28.8	0	0	3	27.6
BBMW-37I	20.0 - 30.0	68	6	1	5	0	0	0	15	0	0	0	3	0
BBMW-37I2	35.0 - 45.0	39	10	0	0	12	2	0	0	0	0	0	--	--
BBMW-37D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38S	5.0 - 15.0	2	84	4	90	157	59	35	204	241.1	262.4	137.3	116.61	232.47

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		2014	2015				2016				2017			
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-39S	5.0 - 15.0	152	2	0	114	160	83	141	5	32.6	48.3	166.08	8.96	6
BBMW-39I	25.0 - 30.0	0	--	63	--	0	0	0	0	0	0	13.3	--	--
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-39D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-40S	5.0 - 15.0	1901	0	3	531	352	0	256	0	685.6	0	256	759	668
BBMW-40I	25.0 - 30.0	13	29	20	8	11	26	8	7	12	12.2	19.9	--	--
BBMW-40I2	45.0 - 50.0	--	--	0	--	--	--	--	--	--	0	--	--	--
BBMW-40D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	0	--	--	--
BBMW-41S	6.0 - 16.0	1992	2325	2101	1293	1896	1919	1487	1897	2364.2	2210.4	1600	1384	844.3
BBMW-41I	25.0 - 30.0	2	0	0	0	0	--	39	--	0	0	3.9	0	0
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-41D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-42S	5.0 - 10.0	264	229	285	198	163	127	148	170	175.1	147.5	184.8	109	183.87
BBMW-42I	15.0-25.0	5	1	0	4	0	0	0	0	0	--	0	--	--
BBMW-42I2	35.0-45.0	315	122	97	9	4	2	107	25	0	--	0	--	--
BBMW-43S	5.0 - 10.0	--	--	0	--	--	--	--	--	--	--	--	--	--
BBMW-43I	15.0-25.0	0	0	0	--	--	--	--	--	--	--	--	--	--
BBMW-43I2	35.0-45.0	--	--	0	--	--	--	0	--	--	--	--	--	--
IP-51	14.0 - 15.0	--	--	--	22	--	--	--	--	--	--	--	--	--
IP-52	24.0 -25.0	--	--	--	205	--	--	--	--	--	--	--	--	--
IP-53	14.0 - 15.0	--	--	--	290	--	--	--	--	--	--	--	--	--
IP-54	24.0 -25.0	--	--	--	0	--	--	--	--	--	--	--	--	--
IP-55	14.0 - 15.0	--	--	--	130	--	--	--	--	--	--	--	--	--
IP-56	24.0 -25.0	--	--	--	0	--	--	--	--	--	--	--	--	--
IP-57	14.0 - 15.0	--	--	--	0	--	--	--	--	--	--	--	--	--
IP-58	24.0 -25.0	--	--	--	0	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	2	2	3	6	1	24	0	0	0	0	0	0	--
MW-03D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-05S	4.0 - 14.0	1508	1393	873	905	1242	1420	613	1471	1564.6	1740.3	755	10.44	1089.4
MW-05D	35.5 - 45.5	1952	2620	1206	1184	1416	1671	1134	1912	2047.9	2231.9	1204.5	1603.2	1014.4

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		2014	2015				2016				2017			
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
MW-09S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-101	4.0 - 14.0	619	1374	707	1095	912	1286	1291	1199	1023.1	1845.2	738.1	1174.94	927.6
OU1PZ-102	4.0 - 14.0	0	14	17	41	12	0	6	17	24.5	3.6	1.1	5.6	14.2
OU1PZ-103	4.0 - 14.0	103	205	105	107	249	590	266	897	203.9	0	48	26.4	386.1
OU1PZ-104	4.0 - 14.0	2	23	23	14	14	2	2	6	5.1	5.3	2.9	0	2.2
OU1PZ-105	4.0 - 14.0	239	322	408	792	430	228	455	300	253.4	168.7	78	38.1	110.2
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50S	5.0-15.0	0	0	0	0	1	0	0	0	0	0	0	0	0
OU2MW-50I	25.0-30.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-50I2	45.0-50.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-50D	65.0-70.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-51S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51I2	45.0-50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51D	61.0-66.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	42	55	41	52	39	28	29	32	41.4	35.1	24.38	8.1	38.33
OU2MW-57I	20.0 - 30.0	49	38	0	14	102	14	41	0	38.4	38.7	3.3	51.4	0.97
OU2MW-57I2	35.0 - 45.0	0	0	43	0	0	0	0	88	0	0	0	0	0
OZMW-16S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-16I	20.0 - 30.0	0	0	0	0	0	1	0	0	0	0	0	0	0
OZMW-16I2	35.0 - 45.0	30	2	4	5	27	8	24	8	13.9	0	3	0	4
OZMW-16D	55.0 - 65.0	8	7	0	0	514	41	7	17	44.2	45.1	9.3	0	0

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		2014	2015				2016				2017			
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OZMW-17S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-17I	20.0 - 30.0	0	0	0	0	0	2	0	2	0	0	0	0	1.4
OZMW-17I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-17D	53.0 - 63.0	1571	1020	1224	817	857	922	1178	233	85.2	141.1	538.1	677.4	467.1
OZMW-18S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-18I	20.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-18I2	35.0 - 45.0	0	33	0	17	0	25	5	0	67	1340.7	16.9	0.96	0
OZMW-18D	55.0 - 65.0	480	515	864	520	514	593	489	570	650.3	1114	734.9	919.2	730
OZMW-19S	5.0 - 15.0	262	201	526	364	188	63	623	270	926.1	954	357.47	696.9	110.4
OZMW-19I	20.0 - 30.0	621	2296	1338	2382	277	279	1096	140	1614.9	1989.6	291.95	878.5	195.67
OZMW-19I2	35.0 - 45.0	3193	1229	1215	3537	1345	2233	1797	2312	3753.2	2929.6	962	1804.5	2031.2
OZMW-19D	55.0 - 65.0	427	123	7	137	128	251	289	406	505.1	304.1	51	25.7	245
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-21I2	35.0 - 45.0	3935	4428	4854	4770	2564	3529	3181	2676	4375.3	4398	4475	3324	3862
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22S/22SR	5.0 - 15.0	1	11	7	3	4	0	6	10	0	0	11.6	0.98	0
OZMW-22I/22IR	20.0 - 30.0	--	--	0	--	--	--	0	0	--	--	--	--	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-23S	5.0 - 15.0	0	0	0	15	0	0	0	0	0	0	0	0	0
OZMW-23I	20.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-23I2	35.0 - 45.0	0	0	0	0	0	281	0	0	0	0	0	0	0
OZMW-23D	55.0 - 65.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-24S	5.0 - 15.0	0	3	1	5	4	0	0	0	5.2	25.2	0	0.73	17.67
OZMW-24I	20.0 - 30.0	0	0	0	0	0	0	0	0	0	0	1.1	0	1.8
OZMW-24I2	35.0 - 45.0	4263	4200	3511	5046	2694	4152	2395	1968	2390.7	4230.6	3994	3824	4017
OZMW-24D	55.0 - 65.0	3245	3205	1624	3199	2809	3078	2483	3305	2200.2	3408.8	3842	3746	3228
OZMW-25S	5.0 - 15.0	3223	3618	2459	1702	1419	2846	1185	934	2687	3030.9	438.6	669	1144.3
OZMW-25I	20.0 - 30.0	2724	4305	3853	4073	3143	3660	1734	2212	2986.8	3160.9	2311.5	1168.7	1728.2
OZMW-25I2	35.0 - 45.0	318	252	204	600	434	246	144	207	248.9	283.9	408	578.9	204.9
OZMW-25D	55.0 - 65.0	28	33	39	--	--	--	28	--	--	--	--	--	--
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-26I	20.0 - 30.0	--	--	3	--	--	--	0	--	--	--	--	--	--
OZMW-26I2	35.0 - 45.0	64	60	0	0	59	45	0	7	37.5	31.2	0	0	1.4
OZMW-26D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		2018				2019				2020			2021	
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
BBMW-05D	64.0 - 74.0	1321	2412	1680	2131	1975	1549	1763	1639	2423	2405	4064	1353	2068.2
BBMW-05D2/D2R	126.5 - 136.5	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-13D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-20S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-20I	35.0 - 45.0	225.2	229.1	325.3	258.5	287.8	1.3	6.69	44.2	211.3	33.7	2.5	218	1.9
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-22S	5.0 - 10.0	2259	1936	360.5	2888	1069.8	601	371.95	871	1945	56.6	1353.2	1492	837
BBMW-22I	30.0 - 40.0	3036	4326	2398.3	4646	2594.3	1351	3894	2622	4235	1409.8	4048	1436	3303.4
BBMW-22D	64.0 - 74.0	--	--	--	--	--	--	--	--	--	--	--	5844	--
BBMW-26S	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-26I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-27I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-34S	5.0 - 15.0	187.1	65.4	113.7	104.2	117	51.96	86.7	72.3	136	55.5	77.6	101.5	29.36
BBMW-34I	25.0 - 30.0	2464	1917.2	1977	2452	2312.4	2129.3	1470	2000.4	1835.2	580.4	2007	1499.7	599.8
BBMW-34I2	40.0 - 45.0	--	--		--	--	--	--	--	--	--	--	--	--
BBMW-34D	65.0 - 70.0	--	36	--	--	--	--	--	--	--	--	--	--	--
BBMW-35S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35I2	45.0-50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-35D	63.0-68.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-36I	25.0 - 30.0			--	--	--	--	--	--	--	--	--	--	--
BBMW-37S	5.0 - 10.0	0	0	0	0	16.48	0	1.9	3.7	13.6	86.86	0	12.6	21
BBMW-37I	20.0 - 30.0	0	0	0	0	--	0	--	--	--	13.1	--	--	--
BBMW-37I2	35.0 - 45.0	--	0	--	--	--	--	--	--	--	--	--	--	--
BBMW-37D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38S	5.0 - 15.0	154.4	88.5	159.26	114.31	122.25	0	105.98	2.5	61.2	61.45	0	0	0

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		2018				2019				2020			2021	
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
BBMW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-38D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-39S	5.0 - 15.0	0	7.96	70.3	37.9	25.8	12	5.6	16	31.9	0	1.6	0	0
BBMW-39I	25.0 - 30.0	--	35.9	--	--	--	1.3	0	--	--	0	--	--	--
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-39D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-40S	5.0 - 15.0	0	0	348	0	3.6	1.4	1882	39.9	362.6	396.3	0	0	0
BBMW-40I	25.0 - 30.0	--	10.8	--	--	--	--	--	--	--	--	--	--	--
BBMW-40I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-40D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-41S	6.0 - 16.0	1564	1898	1400	2000	2410	114.85	1810	1478	655.8	1665	9.38	1018	1387
BBMW-41I	25.0 - 30.0	61	0	0	0	27.5	0	0	0	0	0	--	--	0
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-41D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-42S	5.0 - 10.0	26.5	2.9	6.7	75.97	169.3	28.79	3.3	81.3	34	0.8	0	34.54	0.65
BBMW-42I	15.0-25.0	--	0	--	--	--	--	--	--	--	--	--	--	--
BBMW-42I2	35.0-45.0	--	0	--	--	--	--	--	--	--	--	--	--	--
BBMW-43S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-43I	15.0-25.0	--	--	0	--	--	0	--	--	--	--	--	--	--
BBMW-43I2	35.0-45.0	--	--	0	--	--	0	--	--	--	--	--	--	--
IP-51	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-52	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-53	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-54	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-55	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-56	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-57	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-58	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-03S	3.0 - 13.0	0	0	0	0	0	0	0	--	--	0	--	--	0
MW-03D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-05S	4.0 - 14.0	1446	1097.3	1097.1	662.1	66.2	247.5	36.6	86.4	584.9	133.9	0	446.9	451.7
MW-05D	35.5 - 45.5	1129	1660	1288.5	1206	1484.7	983.5	1047.3	1488.5	1212.3	1564.1	129.83	1127	1950.2

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		2018				2019				2020			2021	
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
MW-09S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU1PZ-101	4.0 - 14.0	1003	1397.5	413.9	817.8	705.9	628.8	912.7	619.7	369.6	515.2	191	298.7	433.1
OU1PZ-102	4.0 - 14.0	9.6	0	3.7	0	1.3	0	11.9	0	0	6.7	0	0	0
OU1PZ-103	4.0 - 14.0	393.8	43.7	108.3	179.2	26.9	0	6.95	154.3	172.6	313.8	32.4	470.9	21.4
OU1PZ-104	4.0 - 14.0	1.2	4.3	0	0	0	0	0	0	--	1.8	--	--	0
OU1PZ-105	4.0 - 14.0	125.5	153.9	70.4	106.4	139.6	115.8	89.2	100.7	103.4	69.4	1.1	81.7	39.6
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-50S	5.0-15.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-50I	25.0-30.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-50I2	45.0-50.0	0	0	0	1.6	0	0	0	0	0	0	0	0	0
OU2MW-50D	65.0-70.0	0	0	0	1.2	0	0	0	0	0	0	0	0	0
OU2MW-51S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51I2	45.0-50.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-51D	61.0-66.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-57S	5.0 - 15.0	24	25.7	1.8	21.4	12.43	15.5	9.46	41.32	34.2	0	24.7	9.7	0
OU2MW-57I	20.0 - 30.0	19	33.1	36.5	8	13.5	58.1	32.5	34.6	1.4	0	10	0	4
OU2MW-57I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-16S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-16I	20.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-16I2	35.0 - 45.0	5	0	1.1	0	0	0	0	0	0	0	0	0	0
OZMW-16D	55.0 - 65.0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date												
		2018				2019				2020			2021	
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
OZMW-17S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-17I	20.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-17I2	35.0 - 45.0	0.89	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-17D	53.0 - 63.0	2257	3560	950	801.1	4046	626	459.9	272.8	1487	138.94	1670	3398.3	3216.8
OZMW-18S	5.0 - 15.0	0	0	2.4	0	0	0	0	0	0	0	0	0	0
OZMW-18I	20.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0	2.5
OZMW-18I2	35.0 - 45.0	6.34	6.4	1.5	22.2	40.4	4.8	0	1.4	1.7	0	0	23.2	0
OZMW-18D	55.0 - 65.0	2747	838	441.1	626.1	920.1	657.2	706.2	660.8	364.8	649.7	495	391.4	898.6
OZMW-19S	5.0 - 15.0	38	545	132.2	47.86	146.2	52.18	2.56	252.7	448.4	56.17	249.97	14.1	6.6
OZMW-19I	20.0 - 30.0	1212.5	775.5	253.6	462.8	1068.5	237.1	221.5	1753	275.8	270.5	482.5	168.9	290.7
OZMW-19I2	35.0 - 45.0	1320	298.8	164	2872	575.2	18.7	99.6	2053	137.2	729.4	2278	673	2.4
OZMW-19D	55.0 - 65.0	135.2	0	4	58.1	5.99	0	0	2.5	0	0	--	--	--
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	306.9	--
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-21I2	35.0 - 45.0	4635	4675	4318	4876	3946	3094	3551	2693.2	3395	3916	4573	5582	4140
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22S/22SR	5.0 - 15.0	0	14.8	0	0	3.2	--	5.99	0	0	0	0	--	0
OZMW-22I/22IR	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-23S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-23I	20.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0	0
OZMW-23I2	35.0 - 45.0	0	0	0	0	0	0	21.54	0	0	0	0	0	0
OZMW-23D	55.0 - 65.0	0	0	0	0	0	0	0	0	0	0	0	77.5	0
OZMW-24S	5.0 - 15.0	4.29	6.38	30.08	2.1	2.2	14.3	0	52.75	27.5	0.88	15.9	21.8	0
OZMW-24I	20.0 - 30.0	0	0	262.8	0	0	0	0	0	0	0	0	0	0
OZMW-24I2	35.0 - 45.0	4739	4738	4442	4093	3968	4664	4335	4347	3760	3718	5753	4364	6146.5
OZMW-24D	55.0 - 65.0	3734	3172	3131	3103	2896	2551	3192	2729	2618	2737	2322	3014	4213.6
OZMW-25S	5.0 - 15.0	169.6	2516.8	176.3	373	300.4	231.5	129.4	122.8	554.1	50.56	257.2	200.5	228.2
OZMW-25I	20.0 - 30.0	2946	3323	2910	1897	3488	3455	856.1	2216	2376.9	1647	3806	2686	2830.71
OZMW-25I2	35.0 - 45.0	169.6	345.7	393.7	308.6	244.2	225.1	420.9	214.4	184.9	152.8	263.4	172.5	212.5
OZMW-25D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--
OZMW-26I	20.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	0	--
OZMW-26I2	35.0 - 45.0	15.25	0	0	31.9	64.6	0	0	15.1	0	0	16.3	--	0
OZMW-26D	55.0 - 65.0	--		--	--	--	--	--	--	--	--	--	--	--

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date								Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2021		2022				2023						
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-05D	64.0 - 74.0	1226	--	959.6	--	1,078	4,277	4,967	--	0	4,492	1,909	1,078	4,967
BBMW-05D2/D2R	126.5 - 136.5	--	--	--	--	--	--	--	--	0	147	11	0	0
BBMW-13D	62.0 - 72.0	--	--	--	--	--	--	--	--	0	40	2	0	0
BBMW-20S	4.0 - 14.0	--	--	--	--	--	--	--	--	0	15,000	2,962	0	0
BBMW-20I	35.0 - 45.0	62.73	62.7	16.2	0	19	213	62	149.2	0	8,636	1,227	19	213
BBMW-20D	62.0 - 72.0	--	--	--	--	--	--	--	--	0	14,594	5,722	0	0
BBMW-22S	5.0 - 10.0	45.5	122.3	1754.59	155.06	342	1880.97	428.18	141.9	24	6,024	2,410	142	1,881
BBMW-22I	30.0 - 40.0	3454.8	2896	3703.1	850	--	4029.8	3,454	737.2	850	8,810	4,504	737	4,030
BBMW-22D	64.0 - 74.0	--	--	--	--	--	--	--	--	2,725	145,100	9,798	0	0
BBMW-26S	6.0 - 16.0	--	--	--	--	--	--	--	--	0	24	2	0	0
BBMW-26I	30.0 - 40.0	--	--	--	--	--	--	--	--	0	1	0	0	0
BBMW-27S	5.0 - 15.0	--	--	0	--	--	--	--	--	0	2	0	0	0
BBMW-27I	30.0 - 40.0	--	--	0	--	--	--	--	--	0	0	0	0	0
BBMW-34S	5.0 - 15.0	48.14	70.2	61.5	44	81.8	145	34.4	5	29	969	210	5	145
BBMW-34I	25.0 - 30.0	1016	1950.4	341.1	234.4	1,273	2,424	1,088	1,622	234	3,307	2,001	1,088	2,424
BBMW-34I2	40.0 - 45.0	--	--	--	--	--	--	--	--	1,431	2,335	1,903	0	0
BBMW-34D	65.0 - 70.0	--	--	--	--	--	--	--	--	0	478	101	0	0
BBMW-35S	5.0-15.0	--	--	--	--	--	--	--	--	0	0	0	0	0
BBMW-35I	25.0-30.0	--	--	--	--	--	--	--	--	0	2	0	0	0
BBMW-35I2	45.0-50.0	--	--	--	--	--	--	--	--	0	0	0	0	0
BBMW-35D	63.0-68.0	--	--	--	--	--	--	--	--	0	0	0	0	0
BBMW-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	0	23	3	0	0
BBMW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	0	0	0	0	0
BBMW-37S	5.0 - 10.0	4.9	1.7	0	0	0	17.2	3.7	0	0	520	66	0	17
BBMW-37I	20.0 - 30.0	--	--	--	--	--	--	--	--	0	8,853	689	0	0
BBMW-37I2	35.0 - 45.0	--	--	--	--	--	--	--	--	0	1,234	337	0	0
BBMW-37D	55.0 - 65.0	--	--	--	--	--	--	--	--	0	7	2	0	0
BBMW-38S	5.0 - 15.0	0	0	46.7	26.9	81.7	50.37	104	208.1	0	262	69	50	208

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date								Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2021		2022				2023						
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	131	1,075	546	0	0
BBMW-38I2	40.0 - 45.0	--	--	--	--	--	--	--	--	116	1,155	600	0	0
BBMW-38D	65.0 - 70.0	--	--	--	--	--	--	--	--	0	13	1	0	0
BBMW-39S	5.0 - 15.0	5.37	2	0	0	1,255	5	4.3	16.8	0	2,988	383	4	1,255
BBMW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	0	433	33	0	0
BBMW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	0	16	1	0	0
BBMW-39D	65.0 - 70.0	--	--	--	--	--	--	--	--	0	3	0	0	0
BBMW-40S	5.0 - 15.0	0	0	--	0	193	--	0	0.71	0	4,533	603	0	193
BBMW-40I	25.0 - 30.0	--	--	--	--	--	--	--	--	3	100	23	0	0
BBMW-40I2	45.0 - 50.0	--	--	--	--	--	--	--	--	0	2,264	201	0	0
BBMW-40D	70.0 - 75.0	--	--	--	--	--	--	--	--	0	0	0	0	0
BBMW-41S	6.0 - 16.0	1786	922.3	1289.9	1087.6	1,714	1,582	1,184	2,110	0	3,693	1,525	1,184	2,110
BBMW-41I	25.0 - 30.0	43	--	0	0	0	0	5.6	0	0	68	10	0	6
BBMW-41I2	45.0 - 50.0	--	--	--	--	--	--	--	--	0	4	0	0	0
BBMW-41D	65.0 - 70.0	--	--	--	--	--	--	--	--	0	4	0	0	0
BBMW-42S	5.0 - 10.0	1	2.8	0.99	0.9	49	81	26	17.19	0	720	168	17	81
BBMW-42I	15.0-25.0	--	--	--	--	--	--	--	--	0	1,181	232	0	0
BBMW-42I2	35.0-45.0	--	--	--	--	--	--	--	--	0	2,504	495	0	0
BBMW-43S	5.0 - 10.0	--	--	--	--	--	--	--	--	0	0	0	0	0
BBMW-43I	15.0-25.0	--	--	--	--	--	--	--	--	0	552	77	0	0
BBMW-43I2	35.0-45.0	--	--	--	--	--	--	--	--	0	7	1	0	0
IP-51	14.0 - 15.0	--	--	--	--	--	--	--	--	22	22	22	0	0
IP-52	24.0 -25.0	--	--	--	--	--	--	--	--	205	205	205	0	0
IP-53	14.0 - 15.0	--	--	--	--	--	--	--	--	290	290	290	0	0
IP-54	24.0 -25.0	--	--	--	--	--	--	--	--	0	0	0	0	0
IP-55	14.0 - 15.0	--	--	--	--	--	--	--	--	130	130	130	0	0
IP-56	24.0 -25.0	--	--	--	--	--	--	--	--	0	0	0	0	0
IP-57	14.0 - 15.0	--	--	--	--	--	--	--	--	0	0	0	0	0
IP-58	24.0 -25.0	--	--	--	--	--	--	--	--	0	0	0	0	0
MW-03S	3.0 - 13.0	--	--	--	--	--	--	--	--	0	1,425	38	0	0
MW-03D	35.0 - 45.0	--	--	--	--	--	--	--	--	0	184	10	0	0
MW-05S	4.0 - 14.0	268.6	106.3	674.4	43.78	89	152	697	68.7	0	5,514	1,171	69	697
MW-05D	35.5 - 45.5	1319.8	1370.7	942	1394.8	1,332	1,539	1,534	1,650	9	4,944	1,583	1,332	1,650

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)												
		Sampling Date								Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2021		2022				2023						
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
MW-09S	4.0 - 14.0	--	--	0	--	--	--	--	--	0	74	2	0	0
MW-09I	30.0 - 40.0	--	--	0	--	--	--	--	--	0	4	1	0	0
MW-09I2	45.0 - 50.0	--	--	--	--	--	--	--	--	0	0	0	0	0
MW-09D	65.0 - 70.0	--	--	--	--	--	--	--	--	0	0	0	0	0
OU1PZ-101	4.0 - 14.0	--	468.7	22.1	663.1	221	259	423	79.45	22	1,845	812	79	423
OU1PZ-102	4.0 - 14.0	87.6	52.3	0	0	22	7	6.4	5.1	0	88	10	5	22
OU1PZ-103	4.0 - 14.0	--	9.15	126.8	19.48	38	219	65	85.8	0	897	203	38	219
OU1PZ-104	4.0 - 14.0	0	--	0	0	0	2.8	1.1	0	0	23	4	0	3
OU1PZ-105	4.0 - 14.0	62.71	5.02	53.8	0	15.5	53	62	4.3	0	792	189	4	62
OU2MW-48S	3.0 - 13.0	--	--	--	--	--	--	--	--	0	4	0	0	0
OU2MW-48I	25.0 - 30.0	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-48I2	45.0 - 50.0	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-48D	65.0 - 70.0	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-49S	3.0 - 13.0	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-49I	25.0 - 30.0	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-49I2	45.0 - 50.0	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-49D	63.0 - 68.0	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-50S	5.0-15.0	0	0	0	0	0	0	0	0	0	120	5	0	0
OU2MW-50I	25.0-30.0	0	0	0	0	0	0	0	0	0	66	3	0	0
OU2MW-50I2	45.0-50.0	0	0	0	0	0	0	0	0	0	2	0	0	0
OU2MW-50D	65.0-70.0	0	0	0	0	0	0	0	0	0	3	0	0	0
OU2MW-51S	5.0-15.0	--	--	--	--	--	--	--	--	0	26	8	0	0
OU2MW-51I	25.0-30.0	--	--	--	--	--	--	--	--	0	5	1	0	0
OU2MW-51I2	45.0-50.0	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-51D	61.0-66.0	--	--	--	--	--	--	--	--	0	2	0	0	0
OU2MW-57S	5.0 - 15.0	0	2.5	2.1	9.9	0	0	9.9	0	0	375	51	0	10
OU2MW-57I	20.0 - 30.0	0	40.4	0	4	0	9.7	7.1	0	0	102	22	0	10
OU2MW-57I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	88	3	0	0
OZMW-16S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	830	15	0	0
OZMW-16I	20.0 - 30.0	0	0	0.79	0	0	0	0	0	0	1,447	60	0	0
OZMW-16I2	35.0 - 45.0	0	0	22.18	0	0	0	0	1.3	0	5,792	436	0	1
OZMW-16D	55.0 - 65.0	0	0	0	0	0	0	0	0	0	514	15	0	0

Table 4-2. OU-1 Summary of Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)								Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		Sampling Date												
		2021		2022				2023						
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
OZMW-17S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	1,963	35	0	0
OZMW-17I	20.0 - 30.0	0	0	0	0	0	0	0	0	0	5,197	92	0	0
OZMW-17I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	62	2	0	0
OZMW-17D	53.0 - 63.0	1078.3	2162.7	1195.3	37.5	21.5	424	1,008	2,004	0	4,046	902	22	2,004
OZMW-18S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	569	10	0	0
OZMW-18I	20.0 - 30.0	0	0	0	1.7	0	0	0	0	0	2,312	67	0	0
OZMW-18I2	35.0 - 45.0	7.1	18.12	0	0	0	0	1.2	582.1	0	11,417	1,339	0	582
OZMW-18D	55.0 - 65.0	1326	3351.3	635.4	266.4	30	1,130	251	31.3	0	5,445	1,199	30	1,130
OZMW-19S	5.0 - 15.0	0	7.9	3.4	1.8	5	37	730	413.4	0	1,016	292	5	730
OZMW-19I	20.0 - 30.0	313.65	52.6	363.6	715.5	184	92	279	240.6	53	4,325	1,581	92	279
OZMW-19I2	35.0 - 45.0	65.1	123.9	182.3	41.4	74	200	743	76.1	2	7,531	2,020	74	743
OZMW-19D	55.0 - 65.0	--	--	--	6.7	--	--	--	--	0	661	185	0	0
OZMW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	307	6,618	4,030	0	0
OZMW-21I	20.0 - 30.0	--	--	--	--	--	--	--	--	2,458	7,522	4,877	0	0
OZMW-21I2	35.0 - 45.0	4734.5	3996	4097.87	4753.3	5,256	4,344	2,961	6,155	2,564	6,727	4,465	2,961	6,155
OZMW-21D	55.0 - 65.0	--	--	--	--	--	--	--	--	56	952	397	0	0
OZMW-22S/22SR	5.0 - 15.0	--	--	--	3.52	0	--	--	--	0	2,555	347	0	0
OZMW-22I/22IR	20.0 - 30.0	--	--	--	--	--	--	--	--	0	220	19	0	0
OZMW-22I2	35.0 - 45.0	--	--	--	--	--	--	--	--	0	0	0	0	0
OZMW-22D	55.0 - 65.0	--	--	--	--	--	--	--	--	0	49	6	0	0
OZMW-23S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	25	1	0	0
OZMW-23I	20.0 - 30.0	0	0	0	0	0	0	0	0	0	6	0	0	0
OZMW-23I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	281	6	0	0
OZMW-23D	55.0 - 65.0	0	0	0	0	0	0	0	0	0	78	4	0	0
OZMW-24S	5.0 - 15.0	2.6	0	0	0	0	7	12.6	0	0	160	11	0	13
OZMW-24I	20.0 - 30.0	0	0	0	301.7	0	0	0	69.96	0	302	17	0	70
OZMW-24I2	35.0 - 45.0	4120	5391	4416.4	5633	5,569	4,520	6,847	2,193	1,228	6,147	4,153	2,193	6,847
OZMW-24D	55.0 - 65.0	3062	4539.4	3012.2	4143	3,631	4,462	4,871	3,732	1,624	5,508	3,260	3,631	4,871
OZMW-25S	5.0 - 15.0	187.9	99	158.2	1430.7	124	93	1,455	114.7	51	6,452	1,846	93	1,455
OZMW-25I	20.0 - 30.0	2441	1707.24	279.6	2492.19	1,406	6,624	4,042	1,933	280	6,045	2,901	1,406	6,624
OZMW-25I2	35.0 - 45.0	183	159.28	152.9	0	335	294	270	203.66	0	1,419	365	204	335
OZMW-25D	55.0 - 65.0	--	--	--	--	--	--	--	--	0	133	48	0	0
OZMW-26S	5.0 - 15.0	--	--	--	--	--	--	--	--	0	5	1	0	0
OZMW-26I	20.0 - 30.0	--	--	--	--	--	--	--	--	0	182	13	0	0
OZMW-26I2	35.0 - 45.0	0	18.84	0	0	0	0	0	0	0	176	28	0	0
OZMW-26D	55.0 - 65.0	--	--	--	--	--	--	--	--	0	7	1	0	0

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Operable Unit Area				Upgradient of Barrier Wall								
Aquifer Zone				Shallow								
Operable Unit				OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1
Sample Name				BBMW-22S	BBMW-22S	BBMW-22S	BBMW-22S	BBMW-34S	BBMW-34S	DUP-04	BBMW-34S	BBMW-34S
Start Depth				5	5	5	5	5	5	5	5	5
End Depth				10	10	10	10	15	15	15	15	15
Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date				7/14/2022	12/15/2022	1/30/2023	6/1/2023	8/18/2022	12/29/2022	12/29/2022	1/27/2023	6/16/2023
Parent Sample Code										BBMW-34S		
Analyte	**Units**	**CAS no.**	**NYS AWQS**									
BTEX	µg/L											
Benzene		71-43-2	1	**19**	**15**	**11**	**17**	**60**	**50**	**52**	**22**	**7.7**
Toluene		108-88-3	5	**3 J**	**2.7 J**	**2.1**	**2.5 J**	**0.88 J**	**0.97 J**	**0.96 J**	**0.46 J**	1 U
Ethylbenzene		100-41-4	5	**1,200**	**1,200**	**760**	**1,000**	**0.37 J**	**19**	**20**	**5.1**	1 U
Total Xylene		1330-20-7	5	**450**	**440**	**260**	**350**	**1.1 J**	**4.5**	**4.6**	**2.3**	2 U
Total BTEX		TBTEX_ND0	NE	**1,672**	**1,658**	**1,033**	**1,370**	**62**	**74**	**78**	**30**	**7.7**
PAH17	µg/L											
Acenaphthene		83-32-9	20*	**100**	**110**	**120**	**79**	**41**	**77 J**	**56 J**	**23**	**5 J**
Acenaphthylene		208-96-8	NE	**1.5 J**	**1.8 J**	**2.9 J**	**1.5 J**	**1.5 J**	**2.9 J**	**2.2 J**	10 U	10 U
Anthracene		120-12-7	50*	**6 J**	**7.1 J**	**8.6 J**	**3.9 J**	10 U	**1.4 J**	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	**0.78 J**	**1.1**	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	**1.1 J**	2 U*	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	**1.5 J**	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	**0.69 J**	**1.4**	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	**0.98 J**	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	**1.9 J**	**2.9 J**	**3.5 J**	**1.6 J**	**2.2 J**	**2.5 J**	**1.9 J**	10 U	10 U
Fluorene		86-73-7	50*	**41**	**45**	**44**	**25**	**30**	**56 J**	**40 J**	**10**	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	**1.1 J**	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	**150**	**370**	**150**	**29**	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	**7.5**	**1,300**	**44**	2 U	**4.6**	2 U	**0.91 J**	2 U	2 U
Phenanthrene		85-01-8	50*	**32**	**39**	**41**	10 U	10 U	**1.3 J**	**1.3 J**	**1.4 J**	10 U
Pyrene		129-00-0	50*	**2.1 J**	**3.7 J**	**7 J**	**1.9 J**	**2.5 J**	**3.9 J**	**3.1 J**	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	**342**	**1,881**	**428**	**142**	**82**	**145**	**105**	**34**	**5**
Other												
Sulfate	µg/L	14808-79-8	250,000									

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Operable Unit Area				Upgradient of Barrier Wall									
Aquifer Zone				Shallow									
Operable Unit				OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1
Sample Name				BBMW-37S	BBMW-37S	BBMW-37S	BBMW-37S	BBMW-38S	BBMW-38S	BBMW-38S	DUP-005	BBMW-38S	BBMW-39S
Start Depth				5	5	5	5	5	5	5	5	5	5
End Depth				10	10	10	10	15	15	15	15	15	15
Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date				9/26/2022	11/22/2022	1/26/2023	6/26/2023	7/15/2022	12/1/2022	1/30/2023	1/30/2023	6/26/2023	7/15/2022
Parent Sample Code											BBMW-38S		
Analyte	**Units**	**CAS no.**	**NYS AWQS**										
BTEX	µg/L												
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	**10**	**71**	**6.1**	**6.6**	**22**	**140**
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	**0.68 J**	**1.2**	**0.4 J**	**0.4 J**	**1.3**	**4.4 J**
Ethylbenzene		100-41-4	5	**1.7**	**0.52 J**	**0.35 J**	1 U	**44**	**21**	**15**	**14**	**32**	**1,200**
Total Xylene		1330-20-7	5	**8**	**3.8**	**1 J**	**1.8 J**	**7.9**	**5.5**	**2.6**	**2.7**	**13**	**280**
Total BTEX		TBTEX_ND0	NE	**10**	**4.3**	**1**	**1.8**	**63**	**99**	**24**	**24**	**68**	**1,624**
PAH17	µg/L												
Acenaphthene		83-32-9	20*	10 U	**3.4 J**	50 U	10 U	10 U	**1.4 J**	**1.2 J**	**1.3 J**	**2.7 J**	**53**
Acenaphthylene		208-96-8	NE	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	**1.9 J**
Anthracene		120-12-7	50*	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	**1.7 J**	50 U	10 U	10 U	**0.97 J**	**1.8 J**	**1.9 J**	**3.9 J**	**7.8 J**
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	**5 J**	50 U	10 U	**5.7 J**	**6 J**	**16**	**17**	**38**	**190**
Naphthalene		91-20-3	10*	2 U	**7.1**	**3.7 J**	2 U	**76**	**42**	**85**	**86**	**160**	**1,000**
Phenanthrene		85-01-8	50*	10 U	10 U	50 U	10 U	10 U	10 U	10 U	**1.3 J**	**3.5 J**	**1.8 J**
Pyrene		129-00-0	50*	10 U	10 U	50 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	ND	**17**	**3.7**	ND	**82**	**50**	**104**	**108**	**208**	**1,255**
Other													
Sulfate	µg/L	14808-79-8	250,000										

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Operable Unit Area				Upgradient of Barrier Wall										
Aquifer Zone				Shallow										
Operable Unit				OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1
Sample Name				BBMW-39S	BBMW-39S	BBMW-39S	BBMW-40S	BBMW-40S	BBMW-40S	BBMW-41S	BBMW-41S	BBMW-41S	BBMW-41S
Start Depth				5	5	5	5	5	5	6	6	6	6
End Depth				15	15	15	15	15	15	16	16	16	16
Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date				12/29/2022	1/30/2023	6/26/2023	7/15/2022	1/30/2023	6/26/2023	8/18/2022	12/1/2022	1/20/2023	6/26/2023
Parent Sample Code													
Analyte	**Units**	**CAS no.**	**NYS AWQS**										
BTEX	µg/L												
Benzene		71-43-2	1	**61**	**46**	**48**	**7.3**	1 U	**1.9**	**3.1 J**	**3 J**	5 U	**4.2 J**
Toluene		108-88-3	5	1 U	1 U	**0.75 J**	**0.49 J**	1 U	1 U	**7.1 J**	**5.9 J**	**2.6 J**	**6.9 J**
Ethylbenzene		100-41-4	5	**19**	**7.7**	**45**	**230**	1 U	**11**	**2,800**	**2,200**	**1,300**	**3,700**
Total Xylene		1330-20-7	5	**9**	**4.2**	**19**	**54**	2 U	**2.9**	**1,500**	**1,200**	**940**	**2,000**
Total BTEX		TBTEX_ND0	NE	**89**	**58**	**113**	**292**	ND	**16**	**4,310**	**3,409**	**2,243**	**5,711**
PAH17	µg/L												
Acenaphthene		83-32-9	20*	**4.3 J**	**1.1 J**	**2.8 J**	**43**	10 U	10 U	**4.2 J**	**3.1 J**	**3.4 J**	**3.0 J**
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	**0.9 J**	10 U	10 U	**1.7 J**	**1.1 J**	**1.4 J**	**1.3 J**
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	**7.8 J**	10 U	10 U	**4 J**	**2.5 J**	**3.1 J**	**2.4 J**
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	**11**	10 U	10 U	**100**	**72**	**73**	**100**
Naphthalene		91-20-3	10*	**1 J**	**3.2**	**14**	**130**	2 U	**0.71 J**	**1,600**	**1,500**	**1,100**	**2,000**
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	**4.5 J**	**2.9 J**	**3.3 J**	**3.2 J**
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	**5**	**4.3**	**17**	**193**	ND	**0.71**	**1,714**	**1,582**	**1,184**	**2,110**
Other													
Sulfate	µg/L	14808-79-8	250,000										

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Operable Unit Area				Upgradient of Barrier Wall									
Aquifer Zone				Shallow									
Operable Unit				OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1
Sample Name				BBMW-42S	BBMW-42S	BBMW-42S	BBMW-42S	MW-05S	MW-05S	MW-05S	MW-05S	OU1PZ-101	OU1PZ-101
Start Depth				5	5	5	5	4	4	4	4	4	4
End Depth				10	10	10	10	14	14	14	14	14	14
Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date				7/27/2022	12/15/2022	1/25/2023	6/1/2023	7/14/2022	11/17/2022	1/20/2023	5/2/2023	7/13/2022	11/28/2022
Parent Sample Code													
Analyte	**Units**	**CAS no.**	**NYS AWQS**										
BTEX	µg/L												
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	**15**	**5.5**	**6.9**	**6.7**	2 U	**0.33 J**
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	5 U	**0.46 J**	**0.63 J**	**0.44 J**	**0.86 J**	**0.43 J**
Ethylbenzene		100-41-4	5	**0.93 J**	**0.83 J**	**0.68 J**	**0.8 J**	**840**	**280**	**350**	**350**	**770**	**470**
Total Xylene		1330-20-7	5	**1.2**	**1 J**	**0.84 J**	**0.83 J**	**430**	**150**	**150**	**160**	**77**	**53**
Total BTEX		TBTEX_ND0	NE	**2.1**	**2**	**1.52**	**1.6**	**1,285**	**436**	**508**	**517**	**848**	**524**
PAH17	µg/L												
Acenaphthene		83-32-9	20*	**25**	**30**	**17**	**14**	**34**	**47**	**67**	**44**	**12**	**14**
Acenaphthylene		208-96-8	NE	**3 J**	**3.2 J**	**1.2 J**	**0.85 J**	10 U	**1.1 J**	**1.8 J**	**1 J**	**1.7 J**	**2.3 J**
Anthracene		120-12-7	50*	**1.3 J**	**2.1 J**	10 U	10 U	**4.6 J**	**5 J**	**7.7 J**	**2.6 J**	**1.3 J**	**1.6 J**
Benzo(a)anthracene		56-55-3	0.002*	**0.97 J**	**0.74 J**	**0.61 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	**0.71 J**	**0.54 J**	**0.51 J**	**0.41 J**	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	**0.98 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	**2 J**	**1.8 J**	**0.94 J**	**0.93 J**	**1.7 J**	**2.3 J**	**2.9 J**	**1.8 J**	10 U	**1.2 J**
Fluorene		86-73-7	50*	**7.2 J**	**14**	**2.8 J**	**1 J**	**23**	**27**	**38**	**17**	**7.2 J**	**9.9 J**
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	**5.3 J**	10 U	10 U	10 U	**39**	**210**	10 U	**22**	**21**
Naphthalene		91-20-3	10*	**4.4**	**17**	2 U	2 U	2 U	**9.8**	**320**	2 U	**170**	**200**
Phenanthrene		85-01-8	50*	10 U	**3 J**	10 U	10 U	**24**	**18**	**46**	10 U	**6.7 J**	**6.6 J**
Pyrene		129-00-0	50*	**3.8 J**	**3.6 J**	**2.7 J**	10 U	**1.6 J**	**2.3 J**	**3.8 J**	**2.3 J**	10 U	**1.9 J**
Total PAH (17)		TPAH17_ND0	NE	**49**	**81**	**26**	**17.19**	**89**	**152**	**697**	**69**	**221**	**259**
Other													
Sulfate	µg/L	14808-79-8	250,000										

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Operable Unit Area	Upgradient of Barrier Wall								
			Aquifer Zone	Shallow								
			Operable Unit	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1
			Sample Name	DUP-03	OU1PZ-101	OU1PZ-101	OU1PZ-103	OU1PZ-103	OU1PZ-103	OU1PZ-103	OZMW-23S	OZMW-23S	OZMW-23S
			Start Depth	4	4	4	4	4	4	4	5	5	5
			End Depth	14	14	14	14	14	14	14	15	15	15
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Date	11/28/2022	1/18/2023	5/16/2023	7/13/2022	12/2/2022	1/26/2023	5/15/2023	7/6/2022	11/16/2022	1/12/2023
			Parent Sample Code	OU1PZ-101									
Analyte	Units	CAS no.	NYS AWQS										
BTEX	µg/L												
Benzene		71-43-2	1	2 U	5 U	5 U	**0.48 J**	**1.7**	**0.44 J**	**0.91 J**	1 U	1 U	1 U
Toluene		108-88-3	5	2 U	5 U	5 U	**5.5**	**6.2**	**2.6**	**3.9**	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	**360**	**1,200**	**780**	**370**	**170**	**83**	**96**	1 U	1 U	1 U
Total Xylene		1330-20-7	5	**39**	**120**	**68**	**140**	**77**	**35**	**29**	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	**399**	**1,320**	**848**	**516**	**255**	**121**	**130**	ND	ND	ND
PAH17	µg/L												
Acenaphthene		83-32-9	20*	**11**	**14**	**10**	**12**	**24**	**8.4 J**	**15**	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	**1.7 J**	**1.9 J**	**0.85 J**	**1 J**	**0.95 J**	10 U	**1.1 J**	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	**1.5 J**	**3.1 J**	10 U	**1.5 J**	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	**0.95 J**	**1.6 J**	10 U	**1.2 J**	10 U	10 U	10 U
Fluorene		86-73-7	50*	**6.6 J**	**7.7 J**	**5 J**	**5.1 J**	**12**	**4.6 J**	**5.6 J**	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	**9.1 J**	**23**	**5.7 J**	**0.62 J**	**1.9 J**	**2.5 J**	**5.4 J**	10 U	10 U	10 U
Naphthalene		91-20-3	10*	**130**	**370**	**56**	**17**	**160**	**45**	**56**	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	**2.1 J**	**6 J**	**1.9 J**	10 U	**13**	**4.1 J**	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	**2.3 J**	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	**161**	**423**	**79**	**38**	**219**	**65**	**86**	ND	ND	ND
Other													
Sulfate	µg/L	14808-79-8	250,000										

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Operable Unit Area				**Upgradient of Barrier Wall**								
Aquifer Zone				**Shallow**								
Operable Unit				**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**
Sample Name				**OZMW-23S**	**OZMW-24S**	**OZMW-24S**	**OZMW-24S**	**OZMW-24S**	**OZMW-25S**	**OZMW-25S**	**OZMW-25S**	**OZMW-25S**
Start Depth				**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**
End Depth				**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**
Depth Unit				**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**
Sample Date				**5/8/2023**	**7/8/2022**	**11/16/2022**	**1/9/2023**	**5/8/2023**	**7/13/2022**	**11/21/2022**	**1/13/2023**	**5/2/2023**
Parent Sample Code												
Analyte	**Units**	**CAS no.**	**NYS AWQS**									
BTEX	µg/L											
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	**8.5**	**19**	**14**	**12**
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	**2.3**	**1.3 J**	**1.9**	**0.91 J**
Ethylbenzene		100-41-4	5	1 U	**0.38 J**	**0.32 J**	**0.33 J**	1 U	**370**	**170**	**270**	**120**
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U	**240**	**54**	**120**	**59**
Total BTEX		TBTEX_ND0	NE	ND	**0.38**	**0.32**	**0.33**	ND	**621**	**244**	**406**	**192**
PAH17	µg/L											
Acenaphthene		83-32-9	20*	10 U	10 U	**5 J**	**8.8 J**	10 U	**43**	**45**	**130**	**53**
Acenaphthylene		208-96-8	NE	10 U	10 U	**2 J**	**1.1 J**	10 U	**11**	**11**	**12**	**13**
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	**4.4 J**	**2.6 J**	**6.3 J**	**3.7 J**
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	**0.72 J**	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	**1.4 J**	**1.2 J**	**1.2 J**	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	**2 J**	10 U	**32**	**23**	**55**	**31**
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**100**	10 U
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**1,100**	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	**32**	**9.7 J**	**48**	**14**
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2.1 J**	10 U
Total PAH (17)		TPAH17_ND0	NE	ND	ND	**7**	**12.6**	ND	**124**	**93**	**1,455**	**115**
Other												
Sulfate	µg/L	14808-79-8	250,000									

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Operable Unit Area				Upgradient of Barrier Wall									
Aquifer Zone				Intermediate									
Operable Unit				OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1
Sample Name				BBMW-20I	BBMW-20I	BBMW-20I	BBMW-20I	BBMW-22I	BBMW-22I	BBMW-34I	BBMW-34I	BBMW-34I	BBMW-34I
Start Depth				35	35	35	35	30	30	25	25	25	25
End Depth				45	45	45	45	40	40	30	30	30	30
Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date				7/13/2022	12/15/2022	1/26/2023	5/15/2023	1/30/2023	6/1/2023	8/18/2022	12/29/2022	1/27/2023	6/16/2023
Parent Sample Code													
Analyte	**Units**	**CAS no.**	**NYS AWQS**										
BTEX	µg/L												
Benzene		71-43-2	1	**0.61 J**	1 U	1 U	1 U	**24**	**18**	**20**	**23**	**14**	**18**
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	**3.3**	**3.3**	**2**	**2.4**	**1.8**	**1.9**
Ethylbenzene		100-41-4	5	**5.2**	1 U	1 U	1 U	**300**	**250**	**270**	**250**	**220**	**210**
Total Xylene		1330-20-7	5	**15**	2 U	2 U	2 U	**180**	**150**	**160**	**160**	**160**	**130**
Total BTEX		TBTEX_ND0	NE	**21**	ND	ND	ND	**507**	**421.3**	**452**	**435**	**396**	**360**
PAH17	µg/L												
Acenaphthene		83-32-9	20*	**2.3 J**	**4.3 J**	**2.5 J**	**3.7 J**	**220**	**170**	**150**	**170**	**69**	**140**
Acenaphthylene		208-96-8	NE	**5.4 J**	**38**	**9.9 J**	**34**	**2.9 J**	**2.1 J**	**2.8 J**	**3.4 J**	50 U	**2.4 J**
Anthracene		120-12-7	50*	10 U	**2.3 J**	10 U	**2 J**	**9.7 J**	**6.8 J**	**13**	**14**	50 U	**11**
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
Fluoranthene		206-44-0	50*	10 U	**1.1 J**	10 U	10 U	**2.5 J**	**1.6 J**	**3.1 J**	**3.3 J**	50 U	**2.5 J**
Fluorene		86-73-7	50*	**7.2 J**	**12**	**6.7 J**	**9.5 J**	**59**	**45**	**71**	**78**	**33 J**	**57**
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	**23**	**8.4 J**	**13**	**1,200**	**400**	**880**	**1100**	**520**	**930**
Naphthalene		91-20-3	10*	2 U	**120**	**27**	**75**	**1,900**	**72**	**75**	**970**	**430**	**410**
Phenanthrene		85-01-8	50*	**3.6 J**	**12**	**7.2 J**	**12**	**56**	**38**	**74**	**80**	**36 J**	**65**
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	**3.6 J**	**1.7 J**	**3.8 J**	**5.2 J**	50 U	**3.9 J**
Total PAH (17)		TPAH17_ND0	NE	**19**	**213**	**62**	**149**	**3,454**	**737.2**	**1,273**	**2,424**	**1,088**	**1,621.8**
Other													
Sulfate	µg/L	14808-79-8	250,000										

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Operable Unit Area	**Upgradient of Barrier Wall**									
			Aquifer Zone	**Intermediate**									
			Operable Unit	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**
			Sample Name	**BBMW-41I**	**BBMW-41I**	**BBMW-41I**	**BBMW-41I**	**MW-05D**	**MW-05D**	**MW-05D**	**MW-05D**	**OZMW-21I2**	**OZMW-21I2**
			Start Depth	**25**	**25**	**25**	**25**	**35.5**	**35.5**	**35.6**	**35.7**	**35**	**35**
			End Depth	**30**	**30**	**30**	**30**	**45.5**	**45.5**	**45.6**	**45.7**	**45**	**45**
			Depth Unit	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**
			Sample Date	**8/18/2022**	**12/29/2022**	**1/30/2023**	**6/26/2023**	**7/14/2022**	**11/17/2022**	**1/20/2023**	**5/2/2023**	**7/13/2022**	**11/17/2022**
			Parent Sample Code										
Analyte	**Units**	**CAS no.**	**NYS AWQS**										
BTEX	µg/L												
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	**2**	1 U	**18**	**21 J**	**19**	**19**	**32**	**45 J**
Total Xylene		1330-20-7	5	2 U	2 U	**1.6 J**	2 U	**6.2**	**5.1 J**	**4.2**	**6**	**22**	**32 J**
Total BTEX		TBTEX_ND0	NE	ND	ND	**4**	ND	**24.2**	**26.1**	**23.2**	**25**	**54**	**77**
PAH17	µg/L												
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	**180**	**240**	**260**	**210**	**180**	**180**
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	**11**	**14**	**11**	**15**	**19**	**15**
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	**6.3 J**	**6.5 J**	**7.2 J**	**9 J**	**12**	**12**
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.71 J**
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.42 J**
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	**1.6 J**	**2.5 J**	**2 J**	**2.4 J**	**3.1 J**	**4.2 J**
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	**45**	**58**	**49**	**58**	**70**	**65**
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 UJ
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	**840**	**980**	**1,000**	**1,000**	**1,400**	**1,200**
Naphthalene		91-20-3	10*	2 U	2 U	**5.6**	2 U	**210**	**190**	**160**	**300**	**3,500**	**2,800**
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	**36**	**45**	**42**	**53**	**67**	**61**
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	**2.2 J**	**2.9 J**	**2.7 J**	**2.6 J**	**4.5 J**	**5.3 J**
Total PAH (17)		TPAH17_ND0	NE	ND	ND	**5.6**	ND	**1,332**	**1,539**	**1,534**	**1,650**	**5,256**	**4,344**
Other													
Sulfate	µg/L	14808-79-8	250,000										

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Operable Unit Area				**Upgradient of Barrier Wall**									
Aquifer Zone				**Intermediate**									
Operable Unit				**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**
Sample Name				**OZMW-21I2**	**OZMW-21I2**	**OZMW-23I**	**OZMW-23I**	**OZMW-23I**	**OZMW-23I**	**OZMW-23I2**	**DUP-01**	**OZMW-23I2**	**OZMW-23I2**
Start Depth				**35**	**35**	**20**	**20**	**20**	**20**	**35**	**35**	**35**	**35**
End Depth				**45**	**45**	**30**	**30**	**30**	**30**	**45**	**45**	**45**	**45**
Depth Unit				**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**
Sample Date				**1/30/2023**	**5/2/2023**	**7/7/2022**	**11/16/2022**	**1/12/2023**	**5/8/2023**	**7/7/2022**	**7/7/2022**	**11/16/2022**	**1/12/2023**
Parent Sample Code											**OZMW-23I2**		
Analyte	**Units**	**CAS no.**	**NYS AWQS**										
BTEX	µg/L												
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	**36**	**29**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	**22**	**17**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	**58**	**46**	ND	ND	ND	ND	ND	ND	ND	ND
PAH17	µg/L												
Acenaphthene		83-32-9	20*	**190**	**190**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	**24**	**14**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	**24**	**12**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	**5.5**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	**2.6**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	**1.1**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	**1.5 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	**3.5**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	**5.2**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	**14**	**3.9 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	**99**	**65**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	**1.4 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	**960**	**2,000**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	**1,500**	**3,800**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	**110**	**66**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	**19**	**4.4 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	**2,961**	**6,155**	ND	ND	ND	ND	ND	ND	ND	ND
Other													
Sulfate	µg/L	14808-79-8	250,000										

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Operable Unit Area				**Upgradient of Barrier Wall**								
Aquifer Zone				**Intermediate**								
Operable Unit				**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**
Sample Name				**DUP-02**	**OZMW-23I2**	**OZMW-24I**	**OZMW-24I**	**OZMW-24I**	**OZMW-24I**	**OZMW-24I2**	**OZMW-24I2**	**OZMW-24I2**	**OZMW-24I2**
Start Depth				**35**	**35**	**20**	**20**	**20**	**20**	**35**	**35**	**35**	**35**
End Depth				**45**	**45**	**30**	**30**	**30**	**30**	**45**	**45**	**45**	**45**
Depth Unit				**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**
Sample Date				**1/12/2023**	**5/8/2023**	**7/8/2022**	**11/17/2022**	**1/9/2023**	**5/12/2023**	**7/8/2022**	**11/17/2022**	**1/9/2023**	**5/12/2023**
Parent Sample Code				**OZMW-23I2**									
Analyte	**Units**	**CAS no.**	**NYS AWQS**										
BTEX	µg/L												
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	**5**	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	**0.46 J**	**0.55 J**	**0.54 J**	**0.61 J**	**0.49 J**
Ethylbenzene		100-41-4	5	1 U	1 U	**0.51 J**	1 U	1 U	**16**	**18**	**18**	**14**	**14**
Total Xylene		1330-20-7	5	2 U	2 U	**0.82 J**	2 U	2 U	**62**	**140**	**130**	**110**	**83**
Total BTEX		TBTEX_ND0	NE	ND	ND	**1.33**	ND	ND	**83**	**159**	**149**	**125**	**97**
PAH17	µg/L												
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	**18**	**100**	**76**	**93**	**36**
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	**0.86 J**	**170**	**160**	**160**	**51**
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	**13**	**8.6 J**	**15**	**5.5 J**
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	**3.9 J**	**2.8 J**	**4.8 J**	**1.3 J**
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	**1.6 J**	**62**	**48**	**62**	**19**
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 UJ	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	**3.5 J**	**660**	**480**	**750**	**260**
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	**46**	**4,500**	**3,700**	**5,700**	**1,800**
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	**55**	**42**	**55**	**18**
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	**5.2 J**	**2.9 J**	**6.8 J**	**1.7 J**
Total PAH (17)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	**70**	**5,569**	**4,520**	**6,847**	**2,193**
Other													
Sulfate	µg/L	14808-79-8	250,000										

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Operable Unit Area				Upgradient of Barrier Wall										
Aquifer Zone				Intermediate										
Operable Unit				OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1
Sample Name				OZMW-25I	DUP-02	OZMW-25I	OZMW-25I	OZMW-25I	OZMW-25I2	OZMW-25I2	OZMW-25I2	OZMW-25I2	OZMW-25I2	DUP-01
Start Depth				20	20	20	20	20	35	35	35	35	35	35
End Depth				30	30	30	30	30	45	45	45	45	45	45
Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date				7/13/2022	7/13/2022	11/21/2022	1/13/2023	5/2/2023	7/13/2022	12/15/2022	1/13/2023	5/2/2023	5/2/2023	
Parent Sample Code					OZMW-25I									OZMW-25I2
Analyte	**Units**	**CAS no.**	**NYS AWQS**											
BTEX	µg/L													
Benzene		71-43-2	1	**23**	**25**	**22**	**17**	**20**	**0.2 J**	1 U	1 U	1 U	1 U	
Toluene		108-88-3	5	**1.7**	**1.8**	**1.7**	**1.6**	**1.8**	1 U	1 U	1 U	1 U	1 U	
Ethylbenzene		100-41-4	5	**190**	**200**	**210**	**220**	**250**	**1.5**	**0.45 J**	1 U	1 U	1 U	
Total Xylene		1330-20-7	5	**110**	**110**	**120**	**120**	**140**	**2**	**1 J**	2 U	2 U	2 U	
Total BTEX		TBTEX_ND0	NE	**325**	**337**	**354**	**359**	**412**	**4**	**1**	ND	ND	ND	
PAH17	µg/L													
Acenaphthene		83-32-9	20*	**170**	**170**	**460**	**280**	**180**	**24**	**24**	**24**	**17**	**18**	
Acenaphthylene		208-96-8	NE	**5 J**	**4.9 J**	**3.9 J**	**3.2 J**	**3.1 J**	**36**	**45**	**40**	**36**	**38**	
Anthracene		120-12-7	50*	**11**	**10**	**11**	**12**	**12**	**9.9 J**	**13**	**12**	**11**	**11**	
Benzo(a)anthracene		56-55-3	0.002*	1 U	**0.82 J**	1 U	1 U	1 U	1 U	1 U	1 U	**0.66 J**	1 U	
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(a)pyrene		50-32-8	ND	1 U	**0.41 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Fluoranthene		206-44-0	50*	**3.4 J**	**3.8 J**	**4 J**	**3.3 J**	**3.5 J**	**3.5 J**	**5.3 J**	**4 J**	**5.6 J**	**4.6 J**	
Fluorene		86-73-7	50*	**66**	**61**	**70**	**68**	**69**	**39**	**54**	**48**	**41**	**44**	
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	
2-Methylnaphthalene		91-57-6	NE	**560**	**620**	**1700**	**1,100**	**690**	**21**	**9.5 J**	**6.4 J**	**3.1 J**	**3.4 J**	
Naphthalene		91-20-3	10*	**520**	**720**	**4,300**	**2,500**	**900**	**130**	**55**	**48**	**10**	**11**	
Phenanthrene		85-01-8	50*	**66**	**66**	**71**	**70**	**71**	**67**	**83**	**81**	**73**	**76**	
Pyrene		129-00-0	50*	**4.4 J**	**5.2 J**	**3.9 J**	**5.6 J**	**4.3 J**	**4.9 J**	**5.6 J**	**6.9 J**	**6.3 J**	**5.5 J**	
Total PAH (17)		TPAH17_ND0	NE	**1,406**	**1,662**	**6,624**	**4,042**	**1,933**	**335**	**294**	**270**	**204**	**212**	
Other														
Sulfate	µg/L	14808-79-8	250,000											

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Operable Unit Area				Upgradient of Barrier Wall									
Aquifer Zone				Intermediate				Deep					
Operable Unit				OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1
Sample Name				OZMW-26I2	OZMW-26I2	OZMW-26I2	OZMW-26I2	BBMW-05D	BBMW-05D	BBMW-05D	OZMW-23D	OZMW-23D	OZMW-23D
Start Depth				35	35	35	35	64	64	64	55	55	55
End Depth				45	45	45	45	74	74	74	65	65	65
Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date				7/11/2022	12/15/2022	1/16/2023	5/2/2023	7/11/2022	11/28/2022	1/30/2023	7/7/2022	11/16/2022	1/12/2023
Parent Sample Code													
Analyte	**Units**	**CAS no.**	**NYS AWQS**										
BTEX	µg/L												
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	**21**	**16**	**12**	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	**440**	**350**	**340**	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	**110**	**120**	**130**	1 U	1 U	1 U
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	**970**	**860**	**970**	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	ND	ND	ND	ND	**1,541**	**1,346**	**1,452**	ND	ND	ND
PAH17	µg/L												
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	**6.6 J**	**10**	**9.6 J**	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	**100**	**150**	**150**	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	**6.2 J**	**10**	**6.3 J**	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	**3.6**	**4.4**	**1.7 J**	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	**2.6**	**2.5**	**0.86 J**	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	**1.2**	**1.1**	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	**1.6 J**	**1.6 J**	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	**3.8**	**3.6**	**1.1**	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	**3.2**	**3.5**	**1.4 J**	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	**5 J**	**7.6 J**	**3.9 J**	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	**21**	**36**	**25 J**	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	**1.7 J**	**1.4 J**	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	**97**	**390**	**430 J**	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	**800**	**3,600**	**4,300**	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	**18**	**44**	**31 J**	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	**6.7 J**	**11**	**6.5 J**	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	ND	ND	ND	ND	**1,078**	**4,277**	**4,967**	ND	ND	ND
Other													
Sulfate	µg/L	14808-79-8	250,000										

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Operable Unit Area	Upgradient of Barrier Wall					Outside and/or Downgradient of the Barrier Wall				
			Aquifer Zone	Deep					Shallow				
			Operable Unit	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1
			Sample Name	OZMW-23D	OZMW-24D	OZMW-24D	OZMW-24D	OZMW-24D	OU1PZ-102	OU1PZ-102	OU1PZ-102	OU1PZ-102	OU1PZ-104
			Start Depth	55	55	55	55	55	4	4	4	4	4
			End Depth	65	65	65	65	65	14	14	14	14	14
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Date	5/8/2023	7/8/2022	11/17/2022	1/9/2023	5/12/2023	7/13/2022	11/28/2022	1/18/2023	5/16/2023	7/13/2022
			Parent Sample Code										
Analyte	Units	CAS no.	NYS AWQS										
BTEX	µg/L												
Benzene		71-43-2	1	1 U	**1.6**	**0.48 J**	**0.6 J**	**0.5 J**	**3.6**	**1.2**	**0.69 J**	**1**	**0.53 J**
Toluene		108-88-3	5	1 U	**95**	**35 J**	**36**	**35**	**2.7**	**0.54 J**	**0.44 J**	**0.79 J**	1 U
Ethylbenzene		100-41-4	5	1 U	**61**	**59 J**	**54**	**44**	**66**	**7.6**	**4.7**	**34**	**0.52 J**
Total Xylene		1330-20-7	5	2 U	**510**	**510 J**	**500**	**380**	**69**	**7.7**	**8.8**	**19**	**1.4**
Total BTEX		TBTEX_ND0	NE	ND	**668**	**604**	**591**	**460**	**141**	**17.0**	**14.6**	**55**	**2.5**
PAH17	µg/L												
Acenaphthene		83-32-9	20*	10 U	**12**	**17**	**21**	**12**	**8.6 J**	**4.6 J**	**4.4 J**	**3.1 J**	10 U
Acenaphthylene		208-96-8	NE	10 U	**250**	**290**	**360**	**170**	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	**6.3 J**	**9.3 J**	**11**	**5.8 J**	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	**1.2 J**	**1.7 J**	**1.8 J**	**1.1 J**	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	**44**	**56**	**67**	**38**	**1.4 J**	**1.6 J**	**1.3 J**	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	**580**	**740**	**950**	**670**	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	**2,700**	**3,300**	**3,400**	**2,800**	**12**	**0.77 J**	**0.72 J**	**2**	2 U
Phenanthrene		85-01-8	50*	10 U	**37**	**45**	**58**	**35**	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	**2.5 J**	**2.2 J**	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	ND	**3,631**	**4,462**	**4,871**	**3,732**	**22**	**7.0**	**6.4**	**5**	ND
Other													
Sulfate	µg/L	14808-79-8	250,000		**59,100**	**130,000**	**54,600**						

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Operable Unit Area				Outside and/or Downgradient of the Barrier Wall										
Aquifer Zone				Shallow										
Operable Unit				OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1
Sample Name				OU1PZ-104	OU1PZ-104	OU1PZ-104	OU1PZ-105	OU1PZ-105	OU1PZ-105	OU1PZ-105	OZMW-16S	OZMW-16S	OZMW-16S
Start Depth				4	4	4	4	4	4	4	5	5	5
End Depth				14	14	14	14	14	14	14	15	15	15
Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date				12/2/2022	1/26/2023	5/15/2023	7/13/2022	11/28/2022	1/18/2023	5/30/2023	7/11/2022	11/7/2022	1/4/2023
Parent Sample Code													
Analyte	**Units**	**CAS no.**	**NYS AWQS**										
BTEX	µg/L												
Benzene		71-43-2	1	**0.92 J**	**0.42 J**	1 U	1 U	**0.35 J**	**0.21 J**	**0.3 J**	1 U	1 U	1 U
Toluene		108-88-3	5	**0.51 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	**2.4**	**0.39 J**	1 U	**15**	**4.7**	**8.5**	**6.1**	1 U	1 U	1 U
Total Xylene		1330-20-7	5	**3.4**	**1.2 J**	**0.95 J**	**12**	**4**	**6**	**6.9**	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	**7.2**	**2.0**	**0.95**	**27**	**9.1**	**15**	**13.3**	ND	ND	ND
PAH17	µg/L												
Acenaphthene		83-32-9	20*	**1.7 J**	**1.1 J**	10 U	**5.4 J**	**4 J**	**4.2 J**	**2.9 J**	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	**2.7 J**	**2.8 J**	**2.5 J**	**1.4 J**	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U*	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	**2.4 J**	**20**	**19**	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	**1.1 J**	2 U	2 U	**5**	**24**	**34**	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	**2.3 J**	**2.5 J**	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	**2.8**	**1.1**	ND	**15.5**	**53**	**62**	**4.3**	ND	ND	ND
Other													
Sulfate	µg/L	14808-79-8	250,000										

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Operable Unit Area	**Outside and/or Downgradient of the Barrier Wall**								
			Aquifer Zone	**Shallow**								
			Operable Unit	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**
			Sample Name	**OZMW-16S**	**OZMW-17S**	**OZMW-17S**	**OZMW-17S**	**OZMW-17S**	**OZMW-18S**	**OZMW-18S**	**OZMW-18S**	**OZMW-18S**	**OZMW-19S**
			Start Depth	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**
			End Depth	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**
			Depth Unit	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**
			Sample Date	**4/24/2023**	**7/6/2022**	**11/7/2022**	**1/4/2023**	**4/27/2023**	**7/5/2022**	**11/7/2022**	**1/5/2023**	**5/2/2023**	**7/12/2022**
			Parent Sample Code										
Analyte	**Units**	**CAS no.**	**NYS AWQS**										
BTEX	µg/L												
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**59**
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**110**
Total BTEX		TBTEX_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	**169**
PAH17	µg/L												
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3.3 J**
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**
Total PAH (17)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Other													
Sulfate	µg/L	14808-79-8	250,000										

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Operable Unit Area				Outside and/or Downgradient of the Barrier Wall										
Aquifer Zone				Shallow										
Operable Unit				OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1
Sample Name				OZMW-19S	DUP-01	OZMW-19S	OZMW-19S	OZMW-22SR	OU2MW-50S	OU2MW-50S	OU2MW-50S	OU2MW-50S	OU2MW-50S	OU2MW-57S
Start Depth				5	5	5	5	5	5	5	5	5	5	5
End Depth				15	15	15	15	15	15	15	15	15	15	15
Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date				11/8/2022	11/8/2022	1/12/2023	5/2/2023	7/12/2022	7/6/2022	11/22/2022	1/3/2023	6/1/2023	7/5/2022	
Parent Sample Code														
Analyte	**Units**	**CAS no.**	**NYS AWQS**											
BTEX	µg/L													
Benzene		71-43-2	1	**0.31 J**	**0.3 J**	**2.3**	**2**	1 U	1 U	1 U	**0.46 J**	1 U	1 U	
Toluene		108-88-3	5	**0.59 J**	**0.55 J**	**1.2**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Ethylbenzene		100-41-4	5	**120**	**110**	**100**	**87**	1 U	1 U	1 U	1 U	1 U	**0.62 J**	
Total Xylene		1330-20-7	5	**270**	**250**	**190**	**96**	2 U	2 U	2 U	2 U	2 U	**0.77 J**	
Total BTEX		TBTEX_ND0	NE	**391**	**361**	**294**	**185**	ND	ND	ND	**0.46**	ND	**1.39**	
PAH17	µg/L													
Acenaphthene		83-32-9	20*	**20**	**15**	**56**	**47**	10 U	10 U	10 U	10 U	10 U	10 U	
Acenaphthylene		208-96-8	NE	**12**	**2 J**	**2.7 J**	**2.9 J**	10 U	10 U	10 U	10 U	10 U	10 U	
Anthracene		120-12-7	50*	10 U	10 U	**9.1 J**	**6.8 J**	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	**0.63 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U*	2 U	
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	
Fluoranthene		206-44-0	50*	**1.5 J**	**1.4 J**	**2.9 J**	**2.5 J**	10 U	10 U	10 U	10 U	10 U	10 U	
Fluorene		86-73-7	50*	**1.5 J**	**2.4 J**	**27**	**23**	10 U	10 U	10 U	10 U	10 U	10 U	
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U	
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	**120**	**110**	10 U	10 U	10 U	10 U	10 U	10 U	
Naphthalene		91-20-3	10*	2 U	2 U	**470**	**190**	2 U	2 U	2 U	2 U	2 U	2 U	
Phenanthrene		85-01-8	50*	10 U	10 U	**37**	**28**	10 U	10 U	10 U	10 U	10 U	10 U	
Pyrene		129-00-0	50*	**2.2 J**	10 U	**4.2 J**	**3.2 J**	10 U	10 U	10 U	10 U	10 U	10 U	
Total PAH (17)		TPAH17_ND0	NE	**37**	**21**	**730**	**413**	ND	ND	ND	ND	ND	ND	
Other														
Sulfate	µg/L	14808-79-8	250,000											

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Operable Unit Area				Outside and/or Downgradient of the Barrier Wall										
Aquifer Zone				Shallow			Intermediate							
Operable Unit				OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1
Sample Name				OU2MW-57S	OU2MW-57S	OU2MW-57S	OZMW-16I	OZMW-16I	OZMW-16I	OZMW-16I	OZMW-16I2	OZMW-16I2	OZMW-16I2
Start Depth				5	5	5	20	20	20	20	35	35	35
End Depth				15	15	15	30	30	30	30	45	45	45
Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date				11/10/2022	1/3/2023	5/16/2023	7/11/2022	11/7/2022	1/4/2023	4/24/2023	7/11/2022	11/7/2022	1/4/2023
Parent Sample Code													
Analyte	**Units**	**CAS no.**	**NYS AWQS**										
BTEX	µg/L												
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	**1.9**	**1**	**0.32 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	**2.3**	**1.9 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	**4.2**	**3**	**0.32**	ND	ND	ND	ND	ND	ND	ND
PAH17	µg/L												
Acenaphthene		83-32-9	20*	10 U	**4.4 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	**1.3 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	**3.4 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	**0.81 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	ND	**9.9**	ND	ND	ND	ND	ND	ND	ND	ND
Other													
Sulfate	µg/L	14808-79-8	250,000										

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Operable Unit Area				Outside and/or Downgradient of the Barrier Wall									
Aquifer Zone				Intermediate									
Operable Unit				OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1
Sample Name				OZMW-16I2	OZMW-17I	OZMW-17I	OZMW-17I	OZMW-17I	OZMW-17I2	OZMW-17I2	OZMW-17I2	OZMW-17I2	OZMW-18I
Start Depth				35	20	20	20	20	35	35	35	35	20
End Depth				45	30	30	30	30	45	45	45	45	30
Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date				4/24/2023	7/6/2022	11/7/2022	1/4/2023	4/27/2023	7/6/2022	11/8/2022	1/5/2023	4/27/2023	11/7/2022
Parent Sample Code													
Analyte	**Units**	**CAS no.**	**NYS AWQS**										
BTEX	µg/L												
Benzene		71-43-2	1	**0.23 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	**1.5**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	**1.7**	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAH17	µg/L												
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	**1.3 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U*	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	**1.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other													
Sulfate	µg/L	14808-79-8	250,000										

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Operable Unit Area				Outside and/or Downgradient of the Barrier Wall										
Aquifer Zone				Intermediate										
Operable Unit				OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1
Sample Name				OZMW-18I	OZMW-18I	OZMW-18I	OZMW-18I2	OZMW-18I2	OZMW-18I2	OZMW-18I2	OZMW-19I	OZMW-19I	OZMW-19I	OZMW-19I
Start Depth				20	20	20	35	35	35	35	20	20	20	20
End Depth				30	30	30	45	45	45	45	30	30	30	30
Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date				1/5/2023	5/2/2023	7/5/2022	7/6/2022	11/7/2022	1/5/2023	6/1/2023	7/12/2022	11/8/2022	1/12/2023	5/2/2023
Parent Sample Code														
Analyte	**Units**	**CAS no.**	**NYS AWQS**											
BTEX	µg/L													
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**5**	**5.8**	**9.1**	**4.3**
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	**0.99 J**	**0.64 J**	**0.57 J**	**0.96 J**	**0.98 J**
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	**0.44 J**	**22**	**35**	**28**	**57**	**70**
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U	2 U	**21**	**18**	**15**	**29**	**37**
Total BTEX		TBTEX_ND0	NE	ND	ND	ND	ND	ND	**0.44**	**44**	**59**	**49**	**96**	**112**
PAH17	µg/L													
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	**1.2 J**	**38**	**75**	**46**	**130**	**110**
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	**2.1 J**	**1.3 J**	**1.3 J**	**2.6 J**	**1.9 J**
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**6.1 J**	**3 J**	**7.9 J**	**7.8 J**
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2.6 J**	**3.6 J**	**3 J**	**2.5 J**
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	**47**	**29**	**50**	**54**
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	**29**	10 U	10 U	**17**	10 U
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	**510**	**0.9 J**	2 U	**0.61 J**	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**48**	**3.4 J**	**64**	**61**
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 J**	**5.9 J**	**4 J**	**3.4 J**
Total PAH (17)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	**1.2**	**582**	**184**	**92**	**279**	**241**
Other														
Sulfate	µg/L	14808-79-8	250,000											

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Operable Unit Area				Outside and/or Downgradient of the Barrier Wall									
Aquifer Zone				Intermediate									
Operable Unit				OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1
Sample Name				OZMW-19I2	OZMW-19I2	OZMW-19I2	OZMW-19I2	OU2MW-50I	OU2MW-50I	OU2MW-50I	OU2MW-50I	OU2MW-50I2	OU2MW-50I2
Start Depth				35	35	35	35	25	25	25	25	45	45
End Depth				45	45	45	45	30	30	30	30	50	50
Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date				7/12/2022	11/8/2022	1/12/2023	5/2/2023	7/6/2022	11/22/2022	1/3/2023	6/1/2023	7/6/2022	11/22/2022
Parent Sample Code													
Analyte	**Units**	**CAS no.**	**NYS AWQS**										
BTEX	µg/L												
Benzene		71-43-2	1	**2.7**	**6**	**2.7**	**3.9**	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	**0.63 J**	**0.58 J**	**0.51 J**	**2.7**	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	**82**	**83**	**61**	**190**	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	**40**	**50**	**28**	**72**	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	**125**	**140**	**92**	**269**	ND	ND	ND	ND	ND	ND
PAH17	µg/L												
Acenaphthene		83-32-9	20*	**32**	**84**	**86**	**26**	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	10 U	**1.8 J**	**2.2 J**	**1.1 J**	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	**3.3 J**	**3.7 J**	**6.8 J**	**3.8 J**	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	**2 J**	**2.1 J**	**2.5 J**	**2.4 J**	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	**12**	**34**	**28**	**7.2 J**	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	**24**	**70**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	**1 J**	**490**	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	**22**	**45**	**54**	**32**	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	**2.4 J**	**4 J**	**3.7 J**	**3.6 J**	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	**74**	**200**	**743**	**76**	ND	ND	ND	ND	ND	ND
Other													
Sulfate	µg/L	14808-79-8	250,000										

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Operable Unit Area				Outside and/or Downgradient of the Barrier Wall									
Aquifer Zone				Intermediate									
Operable Unit				OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1
Sample Name				OU2MW-50I2	OU2MW-50I2	OU2MW-57I	OU2MW-57I	OU2MW-57I	OU2MW-57I	OU2MW-57I2	OU2MW-57I2	OU2MW-57I2	OU2MW-57I2
Start Depth				45	45	20	20	20	20	35	35	35	35
End Depth				50	50	30	30	30	30	45	45	45	45
Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date				1/3/2023	6/1/2023	7/5/2022	11/10/2022	1/3/2023	5/16/2023	7/5/2022	11/10/2022	1/3/2023	5/16/2023
Parent Sample Code													
Analyte	**Units**	**CAS no.**	**NYS AWQS**										
BTEX	µg/L												
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAH17	µg/L												
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	**2.1 J**	**1.2 J**	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	**4.3 J**	**4.3 J**	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	**3.3 J**	**1.6 J**	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 UJ	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	ND	ND	ND	**9.7**	**7.1**	ND	ND	ND	ND	ND
Other													
Sulfate	µg/L	14808-79-8	250,000										

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Operable Unit Area				Outside and/or Downgradient of the Barrier Wall								
Aquifer Zone				Deep								
Operable Unit				OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1	OU-1
Sample Name				OZMW-16D	OZMW-16D	OZMW-16D	OZMW-16D	OZMW-17D	OZMW-17D	OZMW-17D	OZMW-17D	OZMW-18D
Start Depth				55	55	55	55	53	53	53	53	55
End Depth				65	65	65	65	63	63	63	63	65
Depth Unit				ft	ft	ft	ft	ft	ft	ft	ft	ft
Sample Date				7/11/2022	11/7/2022	1/4/2023	4/24/2023	7/6/2022	11/8/2022	1/5/2023	4/27/2023	7/6/2022
Parent Sample Code												
Analyte	**Units**	**CAS no.**	**NYS AWQS**									
BTEX	µg/L											
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**1.1**
Toluene		108-88-3	5	**2.2**	**0.74 J**	**0.61 J**	1 U	1 U	**0.74 J**	**14**	**5**	**23**
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	**1.7**	**3.2**	**29**	**20**	**14**
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	**14**	**27**	**260**	**180**	**62**
Total BTEX		TBTEX_ND0	NE	**2.2**	**0.74**	**0.61**	ND	**16**	**31**	**303**	**205**	**100**
PAH17	µg/L											
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	**2.7 J**	**9.5 J**	**10**	**11**	**2.5 J**
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	**9.6 J**	**74**	**92**	**140**	**10**
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	**2.4 J**	**2.6 J**	**3.7 J**	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U*
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	**2.2 J**	**17**	**18**	**20**	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U*
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	**1.6 J**	**56**	**110**	**300**	10 U
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	**1.6 J**	**250**	**760**	**1,500**	**17**
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	**3.8 J**	**15**	**15**	**29**	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	ND	ND	ND	ND	**21.5**	**424**	**1,008**	**2,004**	**30**
Other												
Sulfate	µg/L	14808-79-8	250,000					**41,300**	**31,500**	**37,300**	**38,700**	**43,700**

Table 4-3. OU-1 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Operable Unit Area	**Outside and/or Downgradient of the Barrier Wall**							
			Aquifer Zone	**Deep**							
			Operable Unit	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**	**OU-1**
			Sample Name	**OZMW-18D**	**OZMW-18D**	**OZMW-18D**	**DUP-04**	**OU2MW-50D**	**OU2MW-50D**	**OU2MW-50D**	**OU2MW-50D**
			Start Depth	**55**	**55**	**55**	**55**	**65**	**65**	**65**	**65**
			End Depth	**65**	**65**	**65**	**65**	**70**	**70**	**70**	**70**
			Depth Unit	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**
			Sample Date	**11/7/2022**	**1/5/2023**	**6/1/2023**	**6/1/2023**	**7/6/2022**	**11/22/2022**	**1/3/2023**	**6/1/2023**
			Parent Sample Code				**OZMW-18D**				
Analyte	**Units**	**CAS no.**	**NYS AWQS**								
BTEX	µg/L										
Benzene		71-43-2	1	**0.22 J**	1 U	**0.22 J**	**0.22 J**	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	**7**	**5.8 J**	**6.2**	**6.1**	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	**17**	**11 J**	**15**	**14**	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	**93**	**48 J**	**75**	**74**	2 U	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	**117**	**65**	**96**	**94**	ND	ND	ND	ND
PAH17	µg/L										
Acenaphthene		83-32-9	20*	**17**	**5.5 J**	**5.3 J**	**4.7 J**	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	**88**	**40**	**18**	**15**	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	**2 J**	**1.3 J**	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	1 U	1 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	**2.6 J**	**1.3 J**	**1.4 J**	**0.99 J**	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	**26**	**5.5 J**	**1.5 J**	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	**980**	**190**	**2.8**	**0.69 J**	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	**14**	**7.3 J**	**2.3 J**	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	**1,130**	**251**	**31**	**21**	ND	ND	ND	ND
Other											
Sulfate	µg/L	14808-79-8	250,000	**53,800**	**35,300**	**24,100**	**22 ,000**				

Table 4-4. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Upgradient of Subsurface Barrier Wall
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)														
		Sampling Date														
		1999	2002			2003			2004				2005			
		Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb/Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec
BBMW-01S	5.0 - 15.0	270	219	--	3,440	2,000	2,500	2,661	3,510	1,988	1,576	2,520	1,930	1,085	1,080	1,090
BBMW-01I	32.0 - 42.0	3	222	--	230	710	460	350	190	170	170	93	220	230	120	120
BBMW-01D	68.5 - 78.5	214	542	--	--	--	1,294	1,193	293	265	304	94	191	585	112	32
BBMW-23S	5.0 - 15.0	--	--	32,850	43,650	22,100	34,485	20,162	20,573	21,133	20,954	6,284	6,047	29,430	3,300	1,725
BBMW-23I	33.0 - 43.0	--	--	0	--	0	0	0	0	0	0	0	--	0	0	--
BBMW-23D	49.5 - 59.5	--	--	10	17	15	53	45	0	12	136	71	234	446	210	--
BBMW-23D2	63.0 - 73.0	--	--	28	--	0	97	80	0	--	0	--	0	--	--	--
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-58S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-58I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-4. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Upgradient of Subsurface Barrier Wall
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2006				2007				2008			
		Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-01S	5.0 - 15.0	273	59	1,361	2,329	949	3,640	7,420	5,590	4,210	3,022	1,251	797
BBMW-01I	32.0 - 42.0	43	94	110	110	77	156	375	274	262	64	57	36
BBMW-01D	68.5 - 78.5	24	216	462	109	32	555	386	9	43	81	75	21
BBMW-23S	5.0 - 15.0	7,450	4,070	6,558	120	12,332	18,185	19,818	14,940	26,389	22,830	18,758	9,986
BBMW-23I	33.0 - 43.0	0	0	0	0	0	0	19	10	0	3	0	0
BBMW-23D	49.5 - 59.5	729	467	509	579	519	96	1,324	660	493	23	12	14
BBMW-23D2	63.0 - 73.0	0	--	--	--	0	0	0	0	0	3	0	0
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	0	0	0
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	90	0	0
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	0	0
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	--	--	0	0	0
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	5,500	5,447	27,560
OU2MW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	0	0
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	0	0	0
OU2MW-54S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-58S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-58I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-4. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Upgradient of Subsurface Barrier Wall
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)															
		Sampling Date															
		2009				2010				2011				2012			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-01S	5.0 - 15.0	284	43	29	187	23	38	4	11	2	2	1	0	0	0	0	--
BBMW-01I	32.0 - 42.0	47	66	29	19	76	11	0	3	1	0	0	0	0	0	0	--
BBMW-01D	68.5 - 78.5	33	47	115	105	213	83	72	58	32	11	94	20	26	2	124	0
BBMW-23S	5.0 - 15.0	11,860	6,483	11,108	7,779	9,643	11,441	6,213	4,890	4,327	4,104	654	3,771	3509	3718	2569	2,477
BBMW-23I	33.0 - 43.0	0	0	0	115	0	6	0	3	0	17	0	0	0	41	0	0
BBMW-23D	49.5 - 59.5	7	10	6	3	2	1	0	1	0	0	0	50	44	0	0	2
BBMW-23D2	63.0 - 73.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-17S	5.0 - 10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-17I	13.0 - 23.0	80	164	17	0	6	245	4	0	0	2	19	3	10	0	0	1
OU2MW-17I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-17D	60.0 - 75.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-18I	13.0 - 23.0	28,040	3,791	1,500	3,275	3,033	799	1,592	2,468	2,559	1,739	2,190	126	6	0	2	4
OU2MW-18I2	35.0 - 45.0	0	0	0	336	418	490	575	410	200	315	568	298	96	66	21	24
OU2MW-18D	60.0 - 70.0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0
OU2MW-54S	5.0 - 15.0	--	--	--	--	85	59	4	0	0	0	0	0	0	0	0	--
OU2MW-54I	20.0 - 25.0	--	--	--	--	0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-54I2	40.0 - 45.0	--	--	--	--	0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-54D	60.0 - 65.0	--	--	--	--	0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-58S	5.0-15.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0	--
OU2MW-58I	25.0-30.0	--	--	--	--	--	--	--	--	2	0	0	0	0	0	0	--

Table 4-4. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Upgradient of Subsurface Barrier Wall
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)															
		Sampling Date															
		2013				2014				2015				2016			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-01S	5.0 - 15.0	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
BBMW-01I	32.0 - 42.0	--	3	--	0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-01D	68.5 - 78.5	9	7	5	6	4	10	125	2	6	7	117	5	5	2	36	2
BBMW-23S	5.0 - 15.0	1,667	5,214	1,156	1,787	1,418	1,866	1,317	1,730	2,205	1,854	582	573	183	1,962	922	192
BBMW-23I	33.0 - 43.0	0	100	49	0	0	0	0	0	--	6	--	0	--	0	0	0
BBMW-23D	49.5 - 59.5	0	0	--	0	--	0	--	--	--	--	--	0	--	--	--	--
BBMW-23D2	63.0 - 73.0	--	0	--	0	--	0	--	--	--	--	--	0	--	--	--	--
OU2MW-17S	5.0 - 10.0	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-17I	13.0 - 23.0	7	3	0	3	0	0	0	0	2	0	--	--	--	0	--	--
OU2MW-17I2	35.0 - 45.0	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-17D	60.0 - 75.0	0	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-18I	13.0 - 23.0	0	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-18I2	35.0 - 45.0	19	27	3	7	0	0	5	0	0	0	--	--	--	--	--	--
OU2MW-18D	60.0 - 70.0	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	5.0 - 15.0	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	20.0 - 25.0	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	40.0 - 45.0	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	60.0 - 65.0	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-58S	5.0-15.0	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-58I	25.0-30.0	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--

Table 4-4. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Upgradient of Subsurface Barrier Wall
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)														
		Sampling Date														
		2017				2018				2019				2020		
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec
BBMW-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-01I	32.0 - 42.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-01D	68.5 - 78.5	8	2	6	9	6	0.54	3	1	6	1	4	--	2	1	1
BBMW-23S	5.0 - 15.0	42	1,385	542	68	21	270.51	41	110	51	3,208	945	896	463	544	574
BBMW-23I	33.0 - 43.0	0	1	0	0	--	0	--	--	--	0	--	--	--	--	--
BBMW-23D	49.5 - 59.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-23D2	63.0 - 73.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	0	--	--	--	0	--	--	--	--	--
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18I2	35.0 - 45.0	--	--	--	0	--	0	--	--	--	0	--	--	--	--	--
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-58S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-58I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-4. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Upgradient of Subsurface Barrier Wall
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)														
		Sampling Date										Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2021				2022				2023						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	0	7,420	1,335	0	0
BBMW-01I	32.0 - 42.0	--	--	--	--	--	--	--	--	--	--	0	710	95	0	0
BBMW-01D	68.5 - 78.5	3	3	6	3	0	1	--	--	--	1	0	1,294	113	1	1
BBMW-23S	5.0 - 15.0	1,705	236	853	1,007	787	45	147	150	129	857	21	43,650	7,142	129	857
BBMW-23I	33.0 - 43.0	--	--	--	--	--	--	--	--	--	--	0	115	6	0	0
BBMW-23D	49.5 - 59.5	--	--	--	--	--	--	--	--	--	--	0	1,324	151	0	0
BBMW-23D2	63.0 - 73.0	--	--	--	--	--	--	--	--	--	--	0	97	6	0	0
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	0	245	22	0	0
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	0	28,040	4,074	0	0
OU2MW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	0	575	121	0	0
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	0	9	0	0	0
OU2MW-54S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	0	85	11	0	0
OU2MW-54I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-54I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-54D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-58S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-58I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	0	2	0	0	0

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-5. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Upgradient of Subsurface Barrier Wall
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)														
		Sampling Date														
		1999	2002			2003			2004				2005			
		Oct/Nov	Apr/May	Jun/Jul	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec
BBMW-01S	5.0 - 15.0	2,055	3,420	--	2,823	600	1,102	1,730	2,077	1,394	869	1,565	2,067	1,333	1,034	2,425
BBMW-01I	32.0 - 42.0	66	9,720	--	10,616	5,600	6,398	8,514	7,772	7,709	4,679	9,754	9,659	7,734	10,674	8,276
BBMW-01D	68.5 - 78.5	1,605	4,566	--	--	--	4,871	4,543	1,460	1,800	1,359	429	821	2,832	50	251
BBMW-23S	5.0 - 15.0	--	--	2,397	2,681	1,400	2,319	2,383	1,288	1,733	2,220	599	921	1,830	994	890
BBMW-23I	33.0 - 43.0	--	--	0	--	178	0	61	0	0	0	0	--	13	33	--
BBMW-23D	49.5 - 59.5	--	--	741	802	910	1,203	1,562	468	400	1,081	931	1,493	1,665	2,161	--
BBMW-23D2	63.0 - 73.0	--	--	36	--	0	120	0	0	--	0	--	0	--	--	--
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-58S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-58I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-5. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Upgradient of Subsurface Barrier Wall
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)															
		Sampling Date															
		2006				2007				2008				2009			
		Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-01S	5.0 - 15.0	1,043	0	956	2,158	659	4,347	3,927	3,929	1,432	1,640	1,991	142	359	119	0	126
BBMW-01I	32.0 - 42.0	3,679	6,746	7,141	10,165	5,812	7,721	8,946	8,071	10,403	6,532	8,764	5,806	3,303	10,202	5,703	5,737
BBMW-01D	68.5 - 78.5	349	863	2,250	425	195	2,090	1,248	50	55	183	274	13	68	92	141	220
BBMW-23S	5.0 - 15.0	1,410	959	759	2,521	1,741	2,519	1,785	2,703	2,569	2,169	1,838	1,340	1,673	2,456	3,162	2,697
BBMW-23I	33.0 - 43.0	146	88	65	59	199	2,207	2,559	31	16	14	23	0	12	2	0	237
BBMW-23D	49.5 - 59.5	2,459	2,391	2,994	2,353	2,591	6,619	5,835	5,620	3,118	188	95	0	0	31	1	27
BBMW-23D2	63.0 - 73.0	0	--	--	--	0	0	1	0	2	50	0	0	0	0	0	0
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	0	2	0	0	0	0	0
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	25	2	0	0	24	6	2
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	1	0	0	0	0	0
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	2,957	3,489	5,188	4,932	5,201	4,006	2,881
OU2MW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
OU2MW-54S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-58S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-58I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-5. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Upgradient of Subsurface Barrier Wall
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2010				2011				2012			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-01S	5.0 - 15.0	46	63	44	42	36	3	50	21	2	1	0	--
BBMW-01I	32.0 - 42.0	5,463	904	431	1,714	508	0	0	0	0	0	0	--
BBMW-01D	68.5 - 78.5	273	248	135	134	103	0	423	73	88	58	418	11
BBMW-23S	5.0 - 15.0	1,571	2,292	948	976	71	427	224	389	519	437	436	429
BBMW-23I	33.0 - 43.0	2	1	0	0	0	0	2	0	0	6	0	0
BBMW-23D	49.5 - 59.5	5	14	15	12	0	0	0	0	17	9	6	7
BBMW-23D2	63.0 - 73.0	0	0	1	0	0	0	0	0	0	0	0	--
OU2MW-17S	5.0 - 10.0	0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-17I	13.0 - 23.0	1	0	0	0	0	0	4	0	2	2	3	2
OU2MW-17I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-17D	60.0 - 75.0	0	0	0	0	0	0	0	0	4	0	0	0
OU2MW-18I	13.0 - 23.0	4,150	1,283	1,745	1,446	3,965	1,337	1,164	57	141	78	23	14
OU2MW-18I2	35.0 - 45.0	490	0	30	757	0	0	521	0	46	12	4	2
OU2MW-18D	60.0 - 70.0	0	0	0	0	0	0	13	3	0	0	0	0
OU2MW-54S	5.0 - 15.0	41	10	0	0	0	0	0	0	0	0	0	--
OU2MW-54I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-54I2	40.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-54D	60.0 - 65.0	0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-58S	5.0-15.0	--	--	--	--	0	0	0	2	0	0	0	--
OU2MW-58I	25.0-30.0	--	--	--	--	0	0	0	3	0	0	0	--

Table 4-5. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Upgradient of Subsurface Barrier Wall
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)															
		Sampling Date															
		2013				2014				2015				2016			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-01S	5.0 - 15.0	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
BBMW-01I	32.0 - 42.0	--	623	--	0	0	4	0	0	0	0	0	0	0	0	0	0
BBMW-01D	68.5 - 78.5	30	30	33	16	6	11	364	9	11	13	169	5	5	3	61	0
BBMW-23S	5.0 - 15.0	460	525	380	725	243	187	96	281	229	166	131	204	28	243	136	14
BBMW-23I	33.0 - 43.0	0	10	12	0	0	0	0	0	--	0	--	0	--	0	0	0
BBMW-23D	49.5 - 59.5	7	5	--	4	--	4	--	--	--	--	--	3	--	--	--	--
BBMW-23D2	63.0 - 73.0	--	0	--	0	--	0	--	--	--	--	--	0	--	--	--	--
OU2MW-17S	5.0 - 10.0	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-17I	13.0 - 23.0	3	2	2	2	0	0	0	0	0	0	--	--	--	0	--	--
OU2MW-17I2	35.0 - 45.0	--	0	--	--	--	17	--	--	--	--	--	--	--	--	--	--
OU2MW-17D	60.0 - 75.0	0	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-18I	13.0 - 23.0	7	7	--	--	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-18I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	--	--	--	--	--	--
OU2MW-18D	60.0 - 70.0	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	5.0 - 15.0	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	20.0 - 25.0	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	40.0 - 45.0	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	60.0 - 65.0	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-58S	5.0-15.0	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-58I	25.0-30.0	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--

Table 4-5. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Upgradient of Subsurface Barrier Wall
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)														
		Sampling Date														
		2017				2018				2019				2020		
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec
BBMW-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-01I	32.0 - 42.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-01D	68.5 - 78.5	12.6	2	15	18	18	1.3	10	3	9	3	8	--	6	0	2
BBMW-23S	5.0 - 15.0	12.7	225	140	15	0	0	1	2	0	148	42	10	16	53	2
BBMW-23I	33.0 - 43.0	0	3	0	1	--	0	--	--	--	0	--	--	--	--	--
BBMW-23D	49.5 - 59.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-23D2	63.0 - 73.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	0	--	--	--	0	--	--	--	--	--
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-18I2	35.0 - 45.0	--	--	--	0	--	0	--	--	--	0	--	--	--	--	--
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-54D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-58S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-58I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-5. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Upgradient of Subsurface Barrier Wall
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)														
		Sampling Date										Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2021				2022				2023						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	0	4,347	1,108	0	0
BBMW-01I	32.0 - 42.0	--	--	--	--	--	--	--	--	--	--	0	10,674	4,210	0	0
BBMW-01D	68.5 - 78.5	1,575	3	3	2	0	1	--	--	--	2	0	4,871	494	2	2
BBMW-23S	5.0 - 15.0	124	0	81	75	4	2	0	2	3	1	0	3,162	868	0	3
BBMW-23I	33.0 - 43.0	--	--	--	--	--	--	--	--	--	--	0	2,559	105	0	0
BBMW-23D	49.5 - 59.5	--	--	--	--	--	--	--	--	--	--	0	6,619	1,063	0	0
BBMW-23D2	63.0 - 73.0	--	--	--	--	--	--	--	--	--	--	0	120	6	0	0
OU2MW-17S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	0	2	0	0	0
OU2MW-17I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	0	25	3	0	0
OU2MW-17I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	0	17	1	0	0
OU2MW-17D	60.0 - 75.0	--	--	--	--	--	--	--	--	--	--	0	4	0	0	0
OU2MW-18I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	0	5,201	2,003	0	0
OU2MW-18I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	0	757	58	0	0
OU2MW-18D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	0	13	1	0	0
OU2MW-54S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	0	41	4	0	0
OU2MW-54I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-54I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-54D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-58S	5.0-15.0	--	--	--	--	--	--	--	--	--	--	0	2	0	0	0
OU2MW-58I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	0	3	0	0	0

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2002			2003			2004	
		Sep	Sep	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May
BBMW-02S	5.0 - 15.0	--	--	0	--	0	--	--	--	--	--	--
BBMW-02I	30.0 - 40.0	--	--	7	--	0	--	--	--	--	--	--
BBMW-02D	73.0 - 83.0	--	--	21	--	0	--	--	--	--	--	--
BBMW-15S	5.0 - 15.0	--	--	0	--	0	0	0	--	--	0	--
BBMW-15I	23.0 - 28.0	--	--	473	--	2	0	0	--	--	0	--
BBMW-15I2	35.0 - 45.0	--	--	47	--	0		0	--	--	0	--
BBMW-15D	70.0 - 80.0	--	--	0	--	0	--	--	--	--	--	--
BBMW-16S	5.0 - 15.0	--	--	0	--	--	--	--	--	--	--	--
BBMW-16I	35.0 - 45.0	--	--	0	--	--	--	--	--	--	--	--
BBMW-16D	68.0 - 78.0	--	--	0	--	--	--	--	--	--	--	--
BBMW-24S	4.0 - 14.0	--	--	--	--	14	0	0	0	0	0	0
BBMW-24I	32.0 - 42.0	--	--	--	--	264	533	612	774	833	96	82
BBMW-24D	59.5 - 69.5	--	--	--	--	1,102	--	1,005	837	1,389	1,420	590
GM-03S	6.78 - 21.78	41	15	70	4	36	--	32	--	--	229	--
GM-03I	30.03 - 45.03	7	0	26	7	135	--	0	--	--	879	--
GM-03D	53.18 - 68.18	175	375	0	0	0	--	0	--	--	0	--
MW-16AS	3.0 - 13.0	--	--	0	--	0	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2002			2003			2004	
		Sep	Sep	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	28.0 - 33.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2002			2003			2004	
		Sep	Sep	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May
OU2MW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34I/34IR	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34I2/34I2R	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	57.0 - 62.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	61.0 - 66.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2002			2003			2004	
		Sep	Sep	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May
OU2MW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-40I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-41S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-41I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2004		2005				2006				2007	
		Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul
BBMW-02S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	0	0
BBMW-02I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	0	0
BBMW-02D	73.0 - 83.0	--	--	--	--	--	--	--	--	--	--	0	0
BBMW-15S	5.0 - 15.0	--	--	0	0	--	--	0	0	0	0	0	0
BBMW-15I	23.0 - 28.0	--	--	0	--	--	--	--	--	0	--	0	0
BBMW-15I2	35.0 - 45.0	--	--	0	--	--	--	--	--	0	--	0	0
BBMW-15D	70.0 - 80.0	--	--	--	--	--	--	--	--	--	--	0	0
BBMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	0	0
BBMW-16I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	0	0
BBMW-16D	68.0 - 78.0	--	--	--	--	--	--	--	--	--	--	0	0
BBMW-24S	4.0 - 14.0	0	0	0	0	0	--	0	0	0	0	0	0
BBMW-24I	32.0 - 42.0	2,408	2,068	477	1,290	175	--	--	519	--	183	116	115
BBMW-24D	59.5 - 69.5	194	183	666	799	658	--	--	367	--	647	662	0
GM-03S	6.78 - 21.78	--	128	40	--	103	133	19	126	177	69	116	0
GM-03I	30.03 - 45.03	--	--	0	--	137	--	196	0	0	0	0	78
GM-03D	53.18 - 68.18	0	--	0	--	0	--	--	--	--	--	0	0
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	0
OU2MW-08S	20.0 - 25.0	--	--	--	--	2,210	--	617	1,456	1,641	829	378	279
OU2MW-08I	35.0 - 40.0	--	--	--	--	181	--	527	196	355	201	167	521
OU2MW-08I2	50.0 - 55.0	--	--	--	--	112	--	172	272	590	582	249	105
OU2MW-08D	65.0 - 70.0	--	--	--	--	0	--	0	0	0	0	0	0
OU2MW-19I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2004		2005				2006				2007	
		Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	28.0 - 33.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2004		2005				2006				2007	
		Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul
OU2MW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I3	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34I/34IR	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34I2/34I2R	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	57.0 - 62.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	61.0 - 66.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2004		2005				2006				2007	
		Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul
OU2MW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-40I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-41S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-41I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2007		2008				2009				2010
		Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
BBMW-02S	5.0 - 15.0	0	0	0	4	0	0	0	0	0	10	0
BBMW-02I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-02D	73.0 - 83.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-15S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-15I	23.0 - 28.0	0	0	0	0	0	0	146	0	0	0	0
BBMW-15I2	35.0 - 45.0	0	0	0	0	0	149	0	0	0	0	0
BBMW-15D	70.0 - 80.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-16S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-16I	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-16D	68.0 - 78.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-24S	4.0 - 14.0	0	0	0	0	117	0	0	0	0	0	0
BBMW-24I	32.0 - 42.0	277	9	0	0	0	0	10	394	14	3	2
BBMW-24D	59.5 - 69.5	7	4	176	215	7	15	22	107	29	103	147
GM-03S	6.78 - 21.78	0	0	0	0	23	--	--	--	--	--	--
GM-03I	30.03 - 45.03	190	129	245	161	257	--	--	--	--	--	--
GM-03D	53.18 - 68.18	0	0	0	0	0	--	--	--	--	--	--
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	0	0	0	--	0	0	0	0	0	0	0
OU2MW-08S	20.0 - 25.0	305	332	1,088	858	692	1,010	1,078	898	314	366	426
OU2MW-08I	35.0 - 40.0	481	196	88	245	62	69	46	333	209	4	156
OU2MW-08I2	50.0 - 55.0	120	545	369	317	248	293	152	39	86	104	136
OU2MW-08D	65.0 - 70.0	0	0	0	0	16	0	0	0	0	0	0
OU2MW-19I	13.0 - 23.0	--	--	--	1,616	4,617	2,299	82	110	121	65	21
OU2MW-19I2	35.0 - 45.0	--	--	--	130	133	112	103	75	61	108	0
OU2MW-19D	65.0 - 70.0	--	--	--	--	543	1,818	542	341	127	152	0
OU2MW-20S	4.0 - 9.0	--	--	--	0	1	0	0	0	0	0	0
OU2MW-20I	13.0 - 23.0	--	--	--	616	354	715	819	158	28	10	26
OU2MW-20I2	35.0 - 45.0	--	--	--	1	0	0	0	0	0	0	0
OU2MW-20D	65.0 - 70.0	--	--	--	--	0	0	0	0	0	0	0
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	82	870	0	0	0	0

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2007		2008				2009				2010
		Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
OU2MW-21I	13.0 - 23.0	--	--	--	780	1,041	1,877	4,930	195	26	9	3
OU2MW-21I2	35.0 - 45.0	--	--	--	46	83	367	479	99	176	26	5
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	0	2	0	0	0	0
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	298	125	6	158	3	0
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	2,029	157	117	2,393	112	294
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	0	23	0	0	0	0
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	2,862	2,153	197	56	0	0
OU2MW-24I2	45.0 - 50.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-25I	25.0 - 30.0	--	--	--	--	--	125	276	138	49	732	6
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-26S	6.0 - 11.0	--	--	--	0	0	0	0	0	0	0	0
OU2MW-26I	13.0 - 23.0	--	--	--	40	253	245	287	4	5	3	24
OU2MW-26I2	35.0 - 45.0	--	--	--	0	5	347	1,559	26	3	319	136
OU2MW-26D	60.0 - 70.0	--	--	--	76	167	187	474	335	491	890	362
OU2MW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-27I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-27I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	24	11
OU2MW-27D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	18	24
OU2MW-28S	5.0 - 15.0	--	--	--	--	0	0	0	0	0	0	0
OU2MW-28I	28.0 - 33.0	--	--	--	--	400	169	93	3	4	98	0
OU2MW-28I2	40.0 - 45.0	--	--	--	--	0	2	1	2	72	66	85
OU2MW-29I	18.0 - 23.0	--	--	--	--	1,290	1,715	1,122	480	31	4	0
OU2MW-29I2	30.0 - 35.0	--	--	--	--	1,316	246	87	96	99	52	153
OU2MW-29D	45.0 - 50.0	--	--	--	--	211	405	359	388	173	211	141
OU2MW-30S	5.0 - 15.0	--	--	--	--	52	251	3	0	0	0	0
OU2MW-30I	25.0 - 30.0	--	--	--	--	312	281	208	729	218	5	0

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2007		2008				2009				2010
		Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
OU2MW-30I2	30.0 - 35.0	--	--	--	--	533	41	43	471	195	143	80
OU2MW-30I3	45.0 - 50.0	--	--	--	--	91	247	254	130	31	19	10
OU2MW-30D	50.0 - 55.0	--	--	--	--	301	206	134	197	30	117	62
OU2MW-30D2	60.0 - 65.0	--	--	--	--	282	406	375	347	220	303	120
OU2MW-31I	18.0 - 23.0	--	--	--	--	512	343	779	856	3	1	0
OU2MW-31I2	30.0 - 35.0	--	--	--	--	0	0	1	413	59	0	5
OU2MW-32S	5.0 - 15.0	--	--	--	--	0	0	0	0	0	0	0
OU2MW-32I	20.0 - 25.0	--	--	--	--	2,073	1,355	3,698	5,013	701	899	2,583
OU2MW-32I2	30.0 - 35.0	--	--	--	--	1,493	375	71	57	7	2	25
OU2MW-32D	40.0 - 45.0	--	--	--	--	57	177	25	8	0	0	7
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	3,159	63	5	36	8
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	77	2	0	154	1
OU2MW-33D	50.0 - 55.0	--	--	--	--	--	--	2	0	0	0	0
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-34I/34IR	25.0 - 30.0	--	--	--	--	--	--	2,348	2,227	1,041	1,230	1,015
OU2MW-34I2/34I2R	45.0 - 50.0	--	--	--	--	--	--	0	0	0	14	0
OU2MW-35S	5.0 - 15.0	--	--	--	--	--	17	9	16	0	0	0
OU2MW-35I	25.0 - 30.0	--	--	--	--	--	678	9	12	0	0	0
OU2MW-35I2	45.0 - 50.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-35D	57.0 - 62.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-36S	5.0 - 15.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-36I	25.0 - 30.0	--	--	--	--	--	288	55	42	0	0	0
OU2MW-36I2	45.0 - 50.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-36D	61.0 - 66.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-37S	5.0 - 15.0	--	--	--	--	--	0	0	9	18	0	0
OU2MW-37I	25.0 - 30.0	--	--	--	--	--	87	373	411	2,623	3	267
OU2MW-37I2	45.0 - 50.0	--	--	--	--	--	0	0	4	0	0	0
OU2MW-37D	67.0 - 72.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	0	23	0	0	0	0
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	4,001	122	204	240	29	1
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-39S	5.0 - 15.0	--	--	--	--	--	0	0	2	0	0	0

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2007		2008				2009				2010
		Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
OU2MW-39I	25.0 - 30.0	--	--	--	--	--	0	0	5	0	4	18
OU2MW-39I2	45.0 - 50.0	--	--	--	--	--	1	0	1	3	0	84
OU2MW-39D	70.0 - 75.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-40S	5.0 - 15.0	--	--	--	--	0	0	0	0	0	0	0
OU2MW-40I	18.0 - 23.0	--	--	--	--	192	61	270	168	24	0	0
OU2MW-41S	5.0 - 15.0	--	--	--	--	0	92	8	0	0	0	4
OU2MW-41I	18.0 - 23.0	--	--	--	--	1,500	1,625	1,433	585	526	48	358
OU2MW-42S	5.0 - 15.0	--	--	--	--	--	--	--	22	11	0	3
OU2MW-42I	25.0 - 30.0	--	--	--	--	--	--	--	4	86	18	13
OU2MW-42I2	45.0 - 50.0	--	--	--	--	--	--	--	0	0	0	2
OU2MW-42D	60.0 - 65.0	--	--	--	--	--	--	--	0	100	45	8
OU2MW-43S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	963	1
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	205	0
OU2MW-43I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	81	5
OU2MW-43D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	58	14
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-45S	5.0 - 15.0	--	--	--	--	--	108	60	15	27	67	1
OU2MW-45I	20.0 - 25.0	--	--	--	--	--	3	10	20	1	2	600
OU2MW-45I2	40.0 - 45.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-45D	55.0 - 60.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-46S	5.0 - 15.0	--	--	--	--	--	421	422	21	0	0	0
OU2MW-46I	20.0 - 25.0	--	--	--	--	--	1,898	1,991	37	0	0	0
OU2MW-46I2	40.0 - 45.0	--	--	--	--	--	2	375	185	0	0	0
OU2MW-47S	5.0 - 15.0	--	--	--	--	--	148	146	0	0	5	0
OU2MW-47I	20.0 - 25.0	--	--	--	--	--	1,039	2,714	40	0	0	0
OU2MW-47I2	40.0 - 45.0	--	--	--	--	--	297	159	7	173	3	2
OU2MW-47D	60.0 - 65.0	--	--	--	--	--	472	569	695	258	234	39
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2010			2011				2012				2013
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
BBMW-02S	5.0 - 15.0	0	0	11	2	0	0	0	0	0	0	--	--
BBMW-02I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	--	--
BBMW-02D	73.0 - 83.0	0	0	0	0	0	0	0	0	0	0	--	--
BBMW-15S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
BBMW-15I	23.0 - 28.0	0	0	0	0	0	0	0	0	0	0	--	--
BBMW-15I2	35.0 - 45.0	0	0	0	0	2	0	0	0	0	0	--	--
BBMW-15D	70.0 - 80.0	0	0	0	0	0	0	0	0	0	0	--	--
BBMW-16S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
BBMW-16I	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	--	--
BBMW-16D	68.0 - 78.0	0	0	0	0	0	0	0	0	0	0	--	--
BBMW-24S	4.0 - 14.0	0	0	0	0	0	0	0	0	0	0	--	--
BBMW-24I	32.0 - 42.0	1	0	0	0	0	0	0	0	0	0	--	--
BBMW-24D	59.5 - 69.5	65	0	0	1	0	9	3	0	0	2	0	3
GM-03S	6.78 - 21.78	--	--	--	--	--	--	--	--	--	--	--	--
GM-03I	30.03 - 45.03	--	--	--	--	--	--	--	--	--	--	--	--
GM-03D	53.18 - 68.18	--	--	--	--	--	--	--	--	--	--	--	--
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-08S	20.0 - 25.0	231	7	0	0	0	0	0	0	0	0	--	--
OU2MW-08I	35.0 - 40.0	168	136	108	6	0	0	175	2	0	16	4	0
OU2MW-08I2	50.0 - 55.0	92	120	105	62	64	97	100	104	129	104	66	90
OU2MW-08D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-19I	13.0 - 23.0	1	0	0	0	0	0	0	0	0	0	121	0
OU2MW-19I2	35.0 - 45.0	10	22	0	0	0	0	0	0	0	0	114	0
OU2MW-19D	65.0 - 70.0	13	14	14	38	84	63	13	39	34	40	125	0
OU2MW-20S	4.0 - 9.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-20I	13.0 - 23.0	172	12	35	0	0	0	0	0	0	0	0	0
OU2MW-20I2	35.0 - 45.0	0	0	0	0	87	0	0	0	0	0	--	--
OU2MW-20D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-21S	5.0 - 15.0	0	0	0	0	0	0	0	1	0	0	--	--

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2010			2011				2012				2013
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
OU2MW-21I	13.0 - 23.0	0	0	0	0	0	0	0	2	0	0	--	--
OU2MW-21I2	35.0 - 45.0	6	6	0	0	0	0	0	3	0	0	--	--
OU2MW-22S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-22I	25.0 - 30.0	8	89	6	0	0	105	0	0	2	0	5	--
OU2MW-22I2	46.0 - 51.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-22D	67.0 - 72.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-23S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-23I	25.0 - 30.0	3	1	5,108	4,804	3	0	0	2	0	0	0	0
OU2MW-23I2	45.0 - 50.0	0	0	0	0	0	18	215	224	139	399	91	4
OU2MW-23D	65.0 - 70.0	0	0	0	0	0	0	0	0	2	0	--	--
OU2MW-24S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-24I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-24I2	45.0 - 50.0	0	0	31	39	114	92	0	0	30	186	2	66
OU2MW-24D	62.0 - 67.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-25S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-25I	25.0 - 30.0	0	29	260	13	0	7	62	0	0	2	26	0
OU2MW-25I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-25D	70.0 - 75.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-26S	6.0 - 11.0	0	0	0	0	0	0	0	2	0	0	--	--
OU2MW-26I	13.0 - 23.0	0	0	0	0	0	2	0	0	0	0	0	--
OU2MW-26I2	35.0 - 45.0	5	41	0	2	0	0	2	6	0	0	--	--
OU2MW-26D	60.0 - 70.0	980	640	580	269	48	15	36	73	1	5	6	16
OU2MW-27S	5.0 - 15.0	0	0	2	0	0	0	0	0	0	0	--	--
OU2MW-27I	25.0 - 30.0	0	0	1	0	0	0	0	0	0	0	--	--
OU2MW-27I2	45.0 - 50.0	12	0	6	2	0	0	0	0	0	0	--	--
OU2MW-27D	65.0 - 70.0	0	0	3	24	7	27	1	0	0	0	0	--
OU2MW-28S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-28I	28.0 - 33.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-28I2	40.0 - 45.0	286	264	16	12	56	20	4	105	6	9	4	6
OU2MW-29I	18.0 - 23.0	0	0	0	0	0	0	0	0	0	0	--	0
OU2MW-29I2	30.0 - 35.0	118	3	0	0	0	0	0	0	0	0	--	0
OU2MW-29D	45.0 - 50.0	85	188	247	124	160	119	77	64	70	63	34	18
OU2MW-30S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2010			2011				2012				2013
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
OU2MW-30I2	30.0 - 35.0	4	3	0	0	0	0	0	0	0	0	0	0
OU2MW-30I3	45.0 - 50.0	3	37	1	3	10	97	77	3	10	0	0	0
OU2MW-30D	50.0 - 55.0	254	137	186	33	30	51	22	26	46	18	4	2
OU2MW-30D2	60.0 - 65.0	422	301	251	0	1	233	0	1	0	18	0	0
OU2MW-31I	18.0 - 23.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-31I2	30.0 - 35.0	38	2	0	0	0	0	0	0	0	0	--	--
OU2MW-32S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-32I	20.0 - 25.0	2,554	399	31	0	0	0	0	0	0	0	--	--
OU2MW-32I2	30.0 - 35.0	76	2	0	1	0	0	0	7	2	60	233	0
OU2MW-32D	40.0 - 45.0	0	0	0	0	0	22	270	159	228	446	217	168
OU2MW-33S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-33I	25.0 - 30.0	83	2	0	0	0	0	0	0	6	0	--	--
OU2MW-33I2	35.0 - 40.0	0	0	3	0	0	0	0	0	0	0	--	--
OU2MW-33D	50.0 - 55.0	0	0	2	0	0	0	0	0	0	0	--	--
OU2MW-34S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-34I/34IR	25.0 - 30.0	760	211	123	0	0	1,403	45	1	0	5	0	0
OU2MW-34I2/34I2R	45.0 - 50.0	0	0	0	0	0	0	42	0	0	21	27	0
OU2MW-35S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-35I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-35I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-35D	57.0 - 62.0	0	0	5	0	0	0	0	0	0	0	0	0
OU2MW-36S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-36I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-36I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-36D	61.0 - 66.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-37S	5.0 - 15.0	0	0	0	0	0	0	0	0	2	0	--	--
OU2MW-37I	25.0 - 30.0	11	338	0	0	0	0	0	0	0	0	--	--
OU2MW-37I2	45.0 - 50.0	0	0	0	0	0	0	0	0	2	0	--	--
OU2MW-37D	67.0 - 72.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-38S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-38I	25.0 - 30.0	0	6	1	0	0	0	0	0	0	0	--	--
OU2MW-38I2	46.0 - 51.0	1	197	125	445	204	155	43	588	919	78	2	0
OU2MW-38D	56.0 - 61.0	0	80	18	0	0	0	0	0	3	0	0	0
OU2MW-39S	5.0 - 15.0	0	0	0	0	0	0	0	1	0	0	0	5

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2010			2011				2012				2013
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
OU2MW-39I	25.0 - 30.0	0	0	0	0	0	0	0	3	0	0	0	0
OU2MW-39I2	45.0 - 50.0	228	26	5	5	48	74	151	232	243	152	276	502
OU2MW-39D	70.0 - 75.0	0	0	0	0	0	0	0	2	0	0	0	0
OU2MW-40S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-40I	18.0 - 23.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-41S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-41I	18.0 - 23.0	5	2	4	0	0	0	0	0	0	0	0	0
OU2MW-42S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-42I	25.0 - 30.0	33	0	0	0	0	0	0	0	0	0	--	--
OU2MW-42I2	45.0 - 50.0	4	0	0	0	0	0	0	0	0	3	--	--
OU2MW-42D	60.0 - 65.0	12	18	14	43	17	23	4	8	5	216	690	1,207
OU2MW-43S	5.0 - 15.0	118	0	0	0	0	0	0	0	0	0	--	--
OU2MW-43I	25.0 - 30.0	2	5	0	0	0	0	0	0	0	0	--	--
OU2MW-43I2	45.0 - 50.0	13	12	32	50	1	7	0	6	2	4	11	25
OU2MW-43D	65.0 - 70.0	4	2	17	1	77	124	6	66	47	267	321	375
OU2MW-44S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-44I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-44I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-44D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-45S	5.0 - 15.0	0	0	6	1	0	0	0	0	0	0	--	--
OU2MW-45I	20.0 - 25.0	62	0	26	0	0	0	0	0	0	0	--	--
OU2MW-45I2	40.0 - 45.0	0	0	0	0	0	0	1	0	0	0	--	--
OU2MW-45D	55.0 - 60.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-46S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-46I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-46I2	40.0 - 45.0	0	5	2	0	0	0	0	0	0	0	--	--
OU2MW-47S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	1	0	0
OU2MW-47I2	40.0 - 45.0	57	0	0	0	0	3	5	0	0	0	0	0
OU2MW-47D	60.0 - 65.0	13	11	5	7	50	6	0	0	4	0	0	0
OU2MW-55S	5.0 - 15.0	8	8	5	0	0	0	0	0	0	0	0	0
OU2MW-55I	30.0 - 35.0	18	10	7	1	0	0	0	20	0	0	0	0
OU2MW-55I2	50.0 - 55.0	120	100	14	9	4	4	2	0	4	15	4	0
OU2MW-55D	65.0 - 70.0	159	156	149	84	59	4	11	0	2	0	0	2
OU2MW-56S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-56I	25.0 - 30.0	45	6	4	0	0	0	0	0	0	0	--	--
OU2MW-56I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-56D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	--	--

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2013			2014				2015			
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-02S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-02I	30.0 - 40.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-02D	73.0 - 83.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-15S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-15I	23.0 - 28.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-15I2	35.0 - 45.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-15D	70.0 - 80.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-16S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-16I	35.0 - 45.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-16D	68.0 - 78.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-24S	4.0 - 14.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-24I	32.0 - 42.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-24D	59.5 - 69.5	1	2	--	--	5	--	--	--	2	--	--
GM-03S	6.78 - 21.78	--	--	--	--	--	--	--	--	--	--	--
GM-03I	30.03 - 45.03	--	--	--	--	--	--	--	--	--	--	--
GM-03D	53.18 - 68.18	--	--	--	--	--	--	--	--	--	--	--
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-08S	20.0 - 25.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-08I	35.0 - 40.0	0	0	0	0	0	--	--	--	0	--	--
OU2MW-08I2	50.0 - 55.0	61	42	21	18	31	15	26	23	22	15	4
OU2MW-08D	65.0 - 70.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-19I	13.0 - 23.0	0	5	0	0	0	0	0	0	0	0	0
OU2MW-19I2	35.0 - 45.0	4	11	0	0	0	0	0	0	0	0	0
OU2MW-19D	65.0 - 70.0	398	415	137	629	318	174	146	254	482	376	296
OU2MW-20S	4.0 - 9.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-20I	13.0 - 23.0	0	0	--	--	0	--	--	--	0	--	--
OU2MW-20I2	35.0 - 45.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-20D	65.0 - 70.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-21S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2013			2014				2015			
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-21I	13.0 - 23.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-21I2	35.0 - 45.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-22S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-22I	25.0 - 30.0	0	0	10	--	0	--	--	--	0	--	--
OU2MW-22I2	46.0 - 51.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-22D	67.0 - 72.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-23S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-23I	25.0 - 30.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-23I2	45.0 - 50.0	0	0	0	0	0	--	--	--	0	--	--
OU2MW-23D	65.0 - 70.0	0	0	--	--	0	--	--	--	0	--	--
OU2MW-24S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-24I	25.0 - 30.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-24I2	45.0 - 50.0	347	162	106	467	67	98	41	55	0	0	0
OU2MW-24D	62.0 - 67.0	2	0	--	0	0	--	--	--	0	--	--
OU2MW-25S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-25I	25.0 - 30.0	0	0	8	0	0	0	72	0	0	0	0
OU2MW-25I2	45.0 - 50.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-25D	70.0 - 75.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-26S	6.0 - 11.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-26I	13.0 - 23.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-26I2	35.0 - 45.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-26D	60.0 - 70.0	1	4	1	0	0	--	--	--	1	--	--
OU2MW-27S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-27I	25.0 - 30.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-27I2	45.0 - 50.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-27D	65.0 - 70.0	0	0	0	0	0	--	--	--	2	--	--
OU2MW-28S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-28I	28.0 - 33.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-28I2	40.0 - 45.0	2	0	0	0	0	--	--	--	0	--	--
OU2MW-29I	18.0 - 23.0	0	0	0	0	0	--	--	--	0	--	--
OU2MW-29I2	30.0 - 35.0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-29D	45.0 - 50.0	12	10	12	23	19	7	4	0	4	0	0
OU2MW-30S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2013			2014				2015			
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-30I2	30.0 - 35.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30I3	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30D	50.0 - 55.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30D2	60.0 - 65.0	0	12	2	0	0	0	0	0	0	0	0
OU2MW-31I	18.0 - 23.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-31I2	30.0 - 35.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-32S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-32I	20.0 - 25.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-32I2	30.0 - 35.0	0	0	55	0	0	0	0	95	0	0	0
OU2MW-32D	40.0 - 45.0	331	288	114	174	105	174	187	94	0	8	4
OU2MW-33S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-33I	25.0 - 30.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-33I2	35.0 - 40.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-33D	50.0 - 55.0	6	--	40	--	42	--	--	--	0	--	--
OU2MW-34S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-34I/34IR	25.0 - 30.0	0	0	0	0	0	0	--	--	--	--	0
OU2MW-34I2/34I2R	45.0 - 50.0	134	35	102	6	0	0	3	0	--	70	--
OU2MW-35S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-35I	25.0 - 30.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-35I2	45.0 - 50.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-35D	57.0 - 62.0	0	30	--	--	0	--	--	--	0	--	--
OU2MW-36S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-36I	25.0 - 30.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-36I2	45.0 - 50.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-36D	61.0 - 66.0	0	0	--	--	0	--	--	--	--	--	--
OU2MW-37S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-37I	25.0 - 30.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-37I2	45.0 - 50.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-37D	67.0 - 72.0	0	0	--	--	0	--	--	--	--	--	--
OU2MW-38S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-38I	25.0 - 30.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-38I2	46.0 - 51.0	0	0	0	--	0	--	--	--	0	--	--
OU2MW-38D	56.0 - 61.0	0	0	--	--	0	--	--	--	0	--	--
OU2MW-39S	5.0 - 15.0	0	0	0	0	0	0	0	2	0	0	0

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2013			2014				2015			
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-39I	25.0 - 30.0	0	0	0	0	0	0	0	0	2	0	0
OU2MW-39I2	45.0 - 50.0	137	86	115	30	63	0	0	0	24	2	0
OU2MW-39D	70.0 - 75.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-40S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-40I	18.0 - 23.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-41S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-41I	18.0 - 23.0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-42S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-42I	25.0 - 30.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-42I2	45.0 - 50.0	9	--	0	9	0	0	15	0	0	0	2
OU2MW-42D	60.0 - 65.0	1,860	1,637	1,219	2,290	1,470	872	1,120	1,018	1,141	1,055	868
OU2MW-43S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-43I	25.0 - 30.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-43I2	45.0 - 50.0	84	12	4	8	0	0	5	0	0	--	--
OU2MW-43D	65.0 - 70.0	454	471	484	665	376	94	725	795	909	682	592
OU2MW-44S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-44I	25.0 - 30.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-44I2	45.0 - 50.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-44D	65.0 - 70.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-45S	5.0 - 15.0	0	--	--	--	0	--	--	--	0	0	0
OU2MW-45I	20.0 - 25.0	0	--	--	--	0	--	--	--	0	0	0
OU2MW-45I2	40.0 - 45.0	0	--	--	--	0	--	--	--	0	0	0
OU2MW-45D	55.0 - 60.0	0	--	--	--	0	--	--	--	0	0	0
OU2MW-46S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-46I	20.0 - 25.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-46I2	40.0 - 45.0	0	3	--	--	0	--	--	--	--	--	--
OU2MW-47S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47I2	40.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47D	60.0 - 65.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-55S	5.0 - 15.0	0	0	0	0	0	0	0	0	2	0	0
OU2MW-55I	30.0 - 35.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-55I2	50.0 - 55.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-55D	65.0 - 70.0	4	2	0	0	0	0	0	2	0	0	0
OU2MW-56S	5.0 - 15.0	0	--	--	--	0	--	--	--	0	0	0
OU2MW-56I	25.0 - 30.0	0	--	--	--	0	--	--	--	0	0	0
OU2MW-56I2	45.0 - 50.0	0	--	--	--	0	--	--	--	0	0	0
OU2MW-56D	65.0 - 70.0	0	--	--	--	0	--	--	--	0	0	0

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2016				2017				2018			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-02S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-02I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-02D	73.0 - 83.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-15S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-15I	23.0 - 28.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-15I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-15D	70.0 - 80.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-16I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-16D	68.0 - 78.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-24S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-24I	32.0 - 42.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-24D	59.5 - 69.5	--	--	--	--	--	--	--	--	--	--	--	--
GM-03S	6.78 - 21.78	--	--	--	--	--	--	--	--	--	--	--	--
GM-03I	30.03 - 45.03	--	--	--	--	--	--	--	--	--	--	--	--
GM-03D	53.18 - 68.18	--	--	--	--	--	--	--	--	--	--	--	--
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08I2	50.0 - 55.0	2	2	2	0	--	0	--	--	--	0	--	--
OU2MW-08D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	13.0 - 23.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-19I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-19D	65.0 - 70.0	250	141	80	14	29	72	0	1	2	0.78	0	0
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2016				2017				2018			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I2	45.0 - 50.0	0	0	0	--	--	--	--	0	--	0	--	--
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25I	25.0 - 30.0	0	0	--	--	--	--	--	0	--	0	--	--
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	28.0 - 33.0	--	--	--	--	--	--	--	0	--	0	--	--
OU2MW-28I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	30.0 - 35.0	--	--	--	--	--	--	--	0	--	0	--	--
OU2MW-29D	45.0 - 50.0	0	0	0	0	--	0	--	--	--	0	--	--
OU2MW-30S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2016				2017				2018			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-30I2	30.0 - 35.0	0	10	0	0	0	0	0	0	0	0	0	0
OU2MW-30I3	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30D	50.0 - 55.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30D2	60.0 - 65.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-31I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	30.0 - 35.0	0	0	--	--	--	--	--	0	--	0	--	--
OU2MW-32D	40.0 - 45.0	0	0	0	0	--	0	--	--	--	0	--	--
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33D	50.0 - 55.0	--	0	0	--	--	--	--	--	--	--	--	--
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34I/34IR	25.0 - 30.0	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-34I2/34I2R	45.0 - 50.0	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-35S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	57.0 - 62.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	61.0 - 66.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2016				2017				2018			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-39I	25.0 - 30.0	0	0	0	0	0	0	0	2	0	0	0	0
OU2MW-39I2	45.0 - 50.0	4	0	0	0	18	4	0	1	0	0.15	2	3
OU2MW-39D	70.0 - 75.0	0	0	0	0	0	0	0	1	0	0	1	0
OU2MW-40S	5.0 - 15.0	0	0	--	--	--	--	--	0	--	0	--	--
OU2MW-40I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-41S	5.0 - 15.0	--	--	0	--	--	0	--	--	--	--	--	--
OU2MW-41I	18.0 - 23.0	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	45.0 - 50.0	0	0	0	0	0	0	--	--	--	0	--	--
OU2MW-42D	60.0 - 65.0	727	922	944	1,121	1,625	1,061	334	744	919	918.53	559	357
OU2MW-43S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	45.0 - 50.0	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	65.0 - 70.0	238	143	91	95	183	77	94	109	39	59	69	72
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	5.0 - 15.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-45I	20.0 - 25.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-45I2	40.0 - 45.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-45D	55.0 - 60.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-46S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47I2	40.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47D	60.0 - 65.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-55S	5.0 - 15.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-55I	30.0 - 35.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-55I2	50.0 - 55.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-55D	65.0 - 70.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-56S	5.0 - 15.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-56I	25.0 - 30.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-56I2	45.0 - 50.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-56D	65.0 - 70.0	0	0	--	--	--	0	--	--	--	--	--	--

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2019				2020			2021			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-02S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-02I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-02D	73.0 - 83.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-15S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-15I	23.0 - 28.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-15I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-15D	70.0 - 80.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-16I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-16D	68.0 - 78.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-24S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-24I	32.0 - 42.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-24D	59.5 - 69.5	--	--	--	--	--	--	--	--	--	--	--
GM-03S	6.78 - 21.78	--	--	--	--	--	--	--	--	--	--	--
GM-03I	30.03 - 45.03	--	--	--	--	--	--	--	--	--	--	--
GM-03D	53.18 - 68.18	--	--	--	--	--	--	--	--	--	--	--
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	0	--	--	--	--	--
OU2MW-08S	20.0 - 25.0	--	--	--	--	--	0	--	--	--	--	--
OU2MW-08I	35.0 - 40.0	--	--	--	--	--	0	--	--	--	--	--
OU2MW-08I2	50.0 - 55.0	--	--	--	--	--	0	--	--	--	--	--
OU2MW-08D	65.0 - 70.0	--	--	--	--	--	0	--	--	--	--	--
OU2MW-19I	13.0 - 23.0	0	0	0	0	0	0	0	0	0	0	1
OU2MW-19I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-19D	65.0 - 70.0	0	0	5	0	5	3	2	3	11	16	13
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2019				2020			2021			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I2	45.0 - 50.0	--	0	--	--	--	--	--	--	--	--	--
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25I	25.0 - 30.0	--	0	--	--	--	--	--	--	--	--	--
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-27I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-27I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-27D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-28S	5.0 - 15.0	--	--	--	--	--	0	--	--	--	0	0
OU2MW-28I	28.0 - 33.0	--	0	--	--	--	0	--	--	--	0	0
OU2MW-28I2	40.0 - 45.0	--	--	--	--	--	0	--	--	--	0	0
OU2MW-29I	18.0 - 23.0	--	--	--	--	--	0	--	--	--	0	0
OU2MW-29I2	30.0 - 35.0	--	0	--	--	--	0	--	--	--	0	0
OU2MW-29D	45.0 - 50.0	--	--	--	--	--	0	--	--	--	0	0
OU2MW-30S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2019				2020			2021			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-30I2	30.0 - 35.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30I3	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30D	50.0 - 55.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30D2	60.0 - 65.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-31I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-32S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	30.0 - 35.0	--	0	--	--	--	--	--	--	--	--	--
OU2MW-32D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34I/34IR	25.0 - 30.0	--	0	--	--	--	0	--	--	--	--	--
OU2MW-34I2/34I2R	45.0 - 50.0	--	0	--	--	--	0	--	--	--	--	--
OU2MW-35S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	57.0 - 62.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	61.0 - 66.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2019				2020			2021			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-39I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-39I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-39D	70.0 - 75.0	0	0	0	0	0	0	0	0	0	0	3
OU2MW-40S	5.0 - 15.0	--	0	--	--	--	--	--	--	--	0	0
OU2MW-40I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-41S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-41I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-42S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	45.0 - 50.0	--	0	--	--	--	--	--	--	--	--	--
OU2MW-42D	60.0 - 65.0	557	323	281	321	158	311	392	153	154	87	62
OU2MW-43S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	65.0 - 70.0	31	44	58	10	12	31	31	27	29	45	14
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47I2	40.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47D	60.0 - 65.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date						Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2022				2023						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-02S	5.0 - 15.0	--	--	--	--	--	--	0	11	1	0	0
BBMW-02I	30.0 - 40.0	--	--	--	--	--	--	0	7	0	0	0
BBMW-02D	73.0 - 83.0	--	--	--	--	--	--	0	21	1	0	0
BBMW-15S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
BBMW-15I	23.0 - 28.0	--	--	--	--	--	--	0	473	19	0	0
BBMW-15I2	35.0 - 45.0	--	--	--	--	--	--	0	149	6	0	0
BBMW-15D	70.0 - 80.0	--	--	--	--	--	--	0	0	0	0	0
BBMW-16S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
BBMW-16I	35.0 - 45.0	--	--	--	--	--	--	0	0	0	0	0
BBMW-16D	68.0 - 78.0	--	--	--	--	--	--	0	0	0	0	0
BBMW-24S	4.0 - 14.0	--	--	--	--	--	--	0	117	3	0	0
BBMW-24I	32.0 - 42.0	--	--	--	--	--	--	0	2,408	289	0	0
BBMW-24D	59.5 - 69.5	--	--	--	--	--	--	0	1,420	272	0	0
GM-03S	6.78 - 21.78	--	--	--	--	--	--	0	229	62	0	0
GM-03I	30.03 - 45.03	--	--	--	--	--	--	0	879	122	0	0
GM-03D	53.18 - 68.18	--	--	--	--	--	--	0	375	32	0	0
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-08S	20.0 - 25.0	--	--	--	--	--	0	0	2,210	484	0	0
OU2MW-08I	35.0 - 40.0	--	--	--	--	--	0	0	527	126	0	0
OU2MW-08I2	50.0 - 55.0	--	--	--	--	--	0	0	590	123	0	0
OU2MW-08D	65.0 - 70.0	--	--	--	--	--	0	0	16	1	0	0
OU2MW-19I	13.0 - 23.0	0	0	0	0	0	0	0	4,617	162	0	0
OU2MW-19I2	35.0 - 45.0	0	0	0	0	0	0	0	133	16	0	0
OU2MW-19D	65.0 - 70.0	6	3	3	8	8	0	0	1,818	151	0	8
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	0	1	0	0	0
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	0	819	123	0	0
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	0	87	4	0	0
OU2MW-20D	65.0 - 70.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	--	0	870	53	0	0

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date						Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2022				2023						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	0	4,930	443	0	0
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	0	479	65	0	0
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	--	0	2	0	0	0
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	--	0	298	37	0	0
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	--	0	5,108	751	0	0
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	--	0	399	45	0	0
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	--	0	2	0	0	0
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	--	0	23	1	0	0
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	--	0	2,862	293	0	0
OU2MW-24I2	45.0 - 50.0	--	--	--	--	--	--	0	467	54	0	0
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	--	0	2	0	0	0
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-25I	25.0 - 30.0	--	--	--	--	--	--	0	732	53	0	0
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	0	2	0	0	0
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	0	287	41	0	0
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	0	1,559	123	0	0
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	0	980	218	0	0
OU2MW-27S	5.0 - 15.0	0	0	0	--	--	0	0	2	0	0	0
OU2MW-27I	25.0 - 30.0	0	0	0	--	--	0	0	1	0	0	0
OU2MW-27I2	45.0 - 50.0	0	0	0	--	--	0	0	24	3	0	0
OU2MW-27D	65.0 - 70.0	0	0	0	--	--	0	0	27	5	0	0
OU2MW-28S	5.0 - 15.0	0	0	0	--	--	0	0	0	0	0	0
OU2MW-28I	28.0 - 33.0	0	0	0	--	--	0	0	400	28	0	0
OU2MW-28I2	40.0 - 45.0	0	0	0	--	--	0	0	286	34	0	0
OU2MW-29I	18.0 - 23.0	0	0	0	--	--	0	0	1,715	160	0	0
OU2MW-29I2	30.0 - 35.0	0	0	0	--	--	0	0	1,316	62	0	0
OU2MW-29D	45.0 - 50.0	0	0	0	--	--	0	0	405	79	0	0
OU2MW-30S	5.0 - 15.0	0	0	0	0	0	0	0	251	6	0	0
OU2MW-30I	25.0 - 30.0	0	0	0	0	0	0	0	729	32	0	0

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date						Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2022				2023						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
OU2MW-30I2	30.0 - 35.0	0	0	0	0	0	0	0	533	28	0	0
OU2MW-30I3	45.0 - 50.0	0	0	0	0	0	0	0	254	19	0	0
OU2MW-30D	50.0 - 55.0	0	0	0	0	0	0	0	301	34	0	0
OU2MW-30D2	60.0 - 65.0	0	0	0	0	0	0	0	422	60	0	0
OU2MW-31I	18.0 - 23.0	0	0	0	--	--	0	0	856	108	0	0
OU2MW-31I2	30.0 - 35.0	0	0	0	--	--	0	0	413	23	0	0
OU2MW-32S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-32I	20.0 - 25.0	--	--	--	--	--	--	0	5,013	1,016	0	0
OU2MW-32I2	30.0 - 35.0	--	--	--	--	--	--	0	1,493	73	0	0
OU2MW-32D	40.0 - 45.0	--	--	--	--	--	--	0	446	91	0	0
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	0	3,159	198	0	0
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	0	154	14	0	0
OU2MW-33D	50.0 - 55.0	--	--	--	--	--	--	0	42	4	0	0
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-34I/34IR	25.0 - 30.0	--	--	--	--	--	--	0	2,348	336	0	0
OU2MW-34I2/34I2R	45.0 - 50.0	--	--	--	--	--	--	0	134	14	0	0
OU2MW-35S	5.0 - 15.0	--	--	--	--	--	--	0	17	2	0	0
OU2MW-35I	25.0 - 30.0	--	--	--	--	--	--	0	678	39	0	0
OU2MW-35I2	45.0 - 50.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-35D	57.0 - 62.0	--	--	--	--	--	--	0	30	2	0	0
OU2MW-36S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-36I	25.0 - 30.0	--	--	--	--	--	--	0	288	21	0	0
OU2MW-36I2	45.0 - 50.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-36D	61.0 - 66.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-37S	5.0 - 15.0	--	--	--	--	--	--	0	18	2	0	0
OU2MW-37I	25.0 - 30.0	--	--	--	--	--	--	0	2,623	229	0	0
OU2MW-37I2	45.0 - 50.0	--	--	--	--	--	--	0	4	0	0	0
OU2MW-37D	67.0 - 72.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	--	0	23	1	0	0
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	--	0	4,001	256	0	0
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	--	0	919	120	0	0
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	--	0	80	5	0	0
OU2MW-39S	5.0 - 15.0	0	0	0	0	0	0	0	5	0	0	0

Table 4-6. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date						Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2022				2023						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
OU2MW-39I	25.0 - 30.0	0	0	1	0	6	0	0	18	1	0	6
OU2MW-39I2	45.0 - 50.0	0	0	0	0	0	0	0	502	47	0	0
OU2MW-39D	70.0 - 75.0	0	0	0	0	0	0	0	3	0	0	0
OU2MW-40S	5.0 - 15.0	0	0	0	--	--	0	0	0	0	0	0
OU2MW-40I	18.0 - 23.0	0	0	0	--	--	0	0	270	31	0	0
OU2MW-41S	5.0 - 15.0	0	0	0	--	--	0	0	92	4	0	0
OU2MW-41I	18.0 - 23.0	0	0	0	--	--	0	0	1,625	184	0	0
OU2MW-42S	5.0 - 15.0	--	--	--	--	--	--	0	22	2	0	0
OU2MW-42I	25.0 - 30.0	--	--	--	--	--	--	0	86	10	0	0
OU2MW-42I2	45.0 - 50.0	--	--	--	--	--	--	0	15	1	0	0
OU2MW-42D	60.0 - 65.0	77	45	31	76	43	15	0	2,290	579	15	76
OU2MW-43S	5.0 - 15.0	--	--	--	--	--	--	0	963	77	0	0
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	0	205	15	0	0
OU2MW-43I2	45.0 - 50.0	--	--	--	--	--	--	0	84	15	0	0
OU2MW-43D	65.0 - 70.0	16	19	20	27	10	6	1	909	185	6	27
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-45S	5.0 - 15.0	--	--	--	--	--	--	0	108	12	0	0
OU2MW-45I	20.0 - 25.0	--	--	--	--	--	--	0	600	30	0	0
OU2MW-45I2	40.0 - 45.0	--	--	--	--	--	--	0	1	0	0	0
OU2MW-45D	55.0 - 60.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-46S	5.0 - 15.0	--	--	--	--	--	--	0	422	48	0	0
OU2MW-46I	20.0 - 25.0	--	--	--	--	--	--	0	1,991	218	0	0
OU2MW-46I2	40.0 - 45.0	--	--	--	--	--	--	0	375	30	0	0
OU2MW-47S	5.0 - 15.0	0	0	0	0	0	0	0	148	6	0	0
OU2MW-47I	20.0 - 25.0	0	0	0	0	0	0	0	2,714	70	0	0
OU2MW-47I2	40.0 - 45.0	0	0	0	0	0	0	0	297	13	0	0
OU2MW-47D	60.0 - 65.0	0	0	0	0	0	0	0	695	44	0	0
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	--	0	8	1	0	0
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	--	0	20	2	0	0
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	--	0	120	11	0	0
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	--	0	159	24	0	0
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	--	0	45	3	0	0
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	--	0	0	0	0	0

Notes for groundwater tables are compiled at the end of the Tables in this sectior

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2002			2003			2004	
		Sep	Sep	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May
BBMW-02S	5.0 - 15.0	--	--	2	--	0	--	--	--	--	--	--
BBMW-02I	30.0 - 40.0	--	--	0	--	0	--	--	--	--	--	--
BBMW-02D	73.0 - 83.0	--	--	2	--	0	--	--	--	--	--	--
BBMW-15S	5.0 - 15.0	--	--	0	--	0	0	0	--	--	0	--
BBMW-15I	23.0 - 28.0	--	--	30	--	0	0	0	--	--	0	--
BBMW-15I2	35.0 - 45.0	--	--	3	--	0	0	0	--	--	0	--
BBMW-15D	70.0 - 80.0	--	--	0	--	0	--	--	--	--	--	--
BBMW-16S	5.0 - 15.0	--	--	0	--	--	--	--	--	--	--	--
BBMW-16I	35.0 - 45.0	--	--	0	--	--	--	--	--	--	--	--
BBMW-16D	68.0 - 78.0	--	--	0	--	--	--	--	--	--	--	--
BBMW-24S	4.0 - 14.0	--	--	--	--	11	0	0	0	908	0	120
BBMW-24I	32.0 - 42.0	--	--	--	--	6,632	11,246	6,000	6,400	4,815	4,782	5,284
BBMW-24D	59.5 - 69.5	--	--	--	--	7,412	--	6,000	5,800	8,110	3,194	1,070
GM-03S	6.78 - 21.78	196	6	6	4	37	--	510	--	--	100	--
GM-03I	30.03 - 45.03	350	0	21	12	273	--	149	--	--	898	--
GM-03D	53.18 - 68.18	661	1,238	0	1	1	--	31	--	--	0	--
MW-16AS	3.0 - 13.0	--	--	0	--	0	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2002			2003			2004	
		Sep	Sep	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	28.0 - 33.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2002			2003			2004	
		Sep	Sep	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May
OU2MW-30I3	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34I/34IR	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34I2/34I2R	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	57.0 - 62.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	61.0 - 66.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		1992	1999		2002			2003			2004	
		Sep	Sep	Oct/Nov	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May
OU2MW-39D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-40I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-41S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-41I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2004		2005				2006				2007	
		Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June	Jul/Aug	Nov/Dec	March	May-July
BBMW-02S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	0	0
BBMW-02I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	0	0
BBMW-02D	73.0 - 83.0	--	--	--	--	--	--	--	--	--	--	0	0
BBMW-15S	5.0 - 15.0	--	--	0	0	--	--	0	0	0	0	0	0
BBMW-15I	23.0 - 28.0	--	--	0	--	--	--	--	--	0	--	0	0
BBMW-15I2	35.0 - 45.0	--	--	0	--	--	--	--	--	0	--	0	0
BBMW-15D	70.0 - 80.0	--	--	--	--	--	--	--	--	--	--	0	0
BBMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	0	0
BBMW-16I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	0	0
BBMW-16D	68.0 - 78.0	--	--	--	--	--	--	--	--	--	--	0	0
BBMW-24S	4.0 - 14.0	0	0	0	10	0	--	0	0	0	0	0	0
BBMW-24I	32.0 - 42.0	7,679	8,053	6,062	4,694	5,392	--	--	5,772	--	2,115	184	434
BBMW-24D	59.5 - 69.5	360	392	3,232	5,652	5,372	--	--	3,037	--	4,055	3,852	0
GM-03S	6.78 - 21.78	--	182	12	--	183	110	0	250	245	72	235	21
GM-03I	30.03 - 45.03	--	--	67	--	429	--	1,330	0	0	0	0	275
GM-03D	53.18 - 68.18	0	--	0	--	0	--	--	--	--	--	0	0
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	0
OU2MW-08S	20.0 - 25.0	--	--	--	--	2,204	--	9,968	7,000	4,974	8,445	5,763	9,121
OU2MW-08I	35.0 - 40.0	--	--	--	--	3,453	--	4,983	4,020	2,328	3,013	507	2,354
OU2MW-08I2	50.0 - 55.0	--	--	--	--	1,364	--	1,666	2,664	1,347	1,961	1,454	1,429
OU2MW-08D	65.0 - 70.0	--	--	--	--	0	--	0	0	0	0	0	111
OU2MW-19I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2004		2005				2006				2007	
		Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June	Jul/Aug	Nov/Dec	March	May-July
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	28.0 - 33.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29D	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2004		2005				2006				2007	
		Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June	Jul/Aug	Nov/Dec	March	May-July
OU2MW-30I3	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-30D2	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34I/34IR	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34I2/34I2R	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	57.0 - 62.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	61.0 - 66.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2004		2005				2006				2007	
		Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	March	June	Jul/Aug	Nov/Dec	March	May-July
OU2MW-39D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-40S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-40I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-41S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-41I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47D	60.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2007		2008				2009				2010
		Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec	Jan-Mar
BBMW-02S	5.0 - 15.0	0	1	0	0	0	0	0	0	0	0	0
BBMW-02I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-02D	73.0 - 83.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-15S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
BBMW-15I	23.0 - 28.0	0	0	0	0	0	0	48	0	0	0	0
BBMW-15I2	35.0 - 45.0	0	0	0	0	0	77	0	0	0	0	0
BBMW-15D	70.0 - 80.0	0	2	0	0	0	0	0	0	0	0	0
BBMW-16S	5.0 - 15.0	0	2	0	0	0	0	0	0	0	0	0
BBMW-16I	35.0 - 45.0	0	0	2	0	0	0	0	0	0	0	0
BBMW-16D	68.0 - 78.0	0	0	0	23	0	0	0	0	0	0	0
BBMW-24S	4.0 - 14.0	0	0	0	0	120	0	0	0	0	1	0
BBMW-24I	32.0 - 42.0	1,863	103	85	87	0	0	0	1,027	0	0	0
BBMW-24D	59.5 - 69.5	1	0	0	160	2	113	233	13	53	131	268
GM-03S	6.78 - 21.78	8	8	0	0	47	--	--	--	--	--	--
GM-03I	30.03 - 45.03	611	44	2	106	13	--	--	--	--	--	--
GM-03D	53.18 - 68.18	4	0	48	0	0	--	--	--	--	--	--
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	7	0	20	--	0	62	0	0	0	0	0
OU2MW-08S	20.0 - 25.0	8,025	13,563	6,542	6,504	7,369	6,698	4,426	4,661	4,301	714	1,958
OU2MW-08I	35.0 - 40.0	799	2,954	2,264	4,805	12,258	8,486	4,781	7,615	2,887	1	344
OU2MW-08I2	50.0 - 55.0	262	3,501	1,646	2,120	3,037	2,954	906	0	70	2,140	2,182
OU2MW-08D	65.0 - 70.0	0	3,892	0	0	9	0	0	0	0	0	0
OU2MW-19I	13.0 - 23.0	--	--	--	1,043	1,459	357	175	92	146	55	26
OU2MW-19I2	35.0 - 45.0	--	--	--	6,212	7,648	6,239	7,147	6,811	3,337	5,885	644
OU2MW-19D	65.0 - 70.0	--	--	--	--	801	3,718	1,862	2,841	3,601	2,932	0
OU2MW-20S	4.0 - 9.0	--	--	--	0	0	0	0	0	0	0	0
OU2MW-20I	13.0 - 23.0	--	--	--	101	91	0	74	0	0	5	1
OU2MW-20I2	35.0 - 45.0	--	--	--	4	0	0	0	0	0	0	0
OU2MW-20D	65.0 - 70.0	--	--	--	--	2	0	0	0	0	2	0
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	424	341	9	4	0	0

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2007		2008				2009				2010
		Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec	Jan-Mar
OU2MW-21I	13.0 - 23.0	--	--	--	5,417	4,165	297	1,948	24	86	0	17
OU2MW-21I2	35.0 - 45.0	--	--	--	3,922	3,985	3,134	3,902	1,244	110	10	6
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	181	32	0	23	0	0
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	429	178	63	323	0	0
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	0	0	0	3	0	258
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	6,015	5,796	1,068	493	80	0
OU2MW-24I2	45.0 - 50.0	--	--	--	--	--	4	0	0	0	0	0
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-25I	25.0 - 30.0	--	--	--	--	--	149	121	133	72	63	45
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-26S	6.0 - 11.0	--	--	--	0	5	0	0	0	0	0	0
OU2MW-26I	13.0 - 23.0	--	--	--	102	154	235	277	0	3	0	1
OU2MW-26I2	35.0 - 45.0	--	--	--	54	965	3,990	2,576	26	14	7	15
OU2MW-26D	60.0 - 70.0	--	--	--	623	149	1,369	1,742	3,482	4,328	5,814	4,267
OU2MW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-27I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	10	2
OU2MW-27I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	18	8
OU2MW-27D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	1,150	0
OU2MW-28S	5.0 - 15.0	--	--	--	--	0	0	0	1	0	0	0
OU2MW-28I	28.0 - 33.0	--	--	--	--	283	132	121	0	11	13	0
OU2MW-28I2	40.0 - 45.0	--	--	--	--	12	16	15	0	1,712	532	79
OU2MW-29I	18.0 - 23.0	--	--	--	--	863	1,083	700	513	38	6	0
OU2MW-29I2	30.0 - 35.0	--	--	--	--	3,642	6,159	2,778	6,117	274	501	76
OU2MW-29D	45.0 - 50.0	--	--	--	--	2,656	2,474	314	2,842	2,937	2,890	1,726
OU2MW-30S	5.0 - 15.0	--	--	--	--	2	1,990	10	0	0	0	0
OU2MW-30I	25.0 - 30.0	--	--	--	--	5,560	7,304	5,175	2,186	33	6	11
OU2MW-30I2	30.0 - 35.0	--	--	--	--	6,605	5,671	6,025	4,696	195	76	6

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2007		2008				2009				2010
		Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec	Jan-Mar
OU2MW-30I3	45.0 - 50.0	--	--	--	--	93	5,101	5,562	5,586	94	80	3
OU2MW-30D	50.0 - 55.0	--	--	--	--	1,087	5,989	1,652	4,681	84	586	8
OU2MW-30D2	60.0 - 65.0	--	--	--	--	2,638	4,689	4,735	2,274	15	2,904	147
OU2MW-31I	18.0 - 23.0	--	--	--	--	212	488	79	137	4	0	0
OU2MW-31I2	30.0 - 35.0	--	--	--	--	1	6	0	841	21	1	0
OU2MW-32S	5.0 - 15.0	--	--	--	--	0	0	63	0	0	0	0
OU2MW-32I	20.0 - 25.0	--	--	--	--	4,029	3,970	2,818	7,796	4,621	2,814	1,579
OU2MW-32I2	30.0 - 35.0	--	--	--	--	5,230	3,459	1,164	408	94	39	503
OU2MW-32D	40.0 - 45.0	--	--	--	--	29	1,336	189	32	10	0	0
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	565	158	39	66	25
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	104	14	4	679	16
OU2MW-33D	50.0 - 55.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-34I/34IR	25.0 - 30.0	--	--	--	--	--	--	257	333	153	280	295
OU2MW-34I2/34I2R	45.0 - 50.0	--	--	--	--	--	--	3	0	0	11	0
OU2MW-35S	5.0 - 15.0	--	--	--	--	--	3	0	0	0	0	0
OU2MW-35I	25.0 - 30.0	--	--	--	--	--	2,270	250	8	0	0	0
OU2MW-35I2	45.0 - 50.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-35D	57.0 - 62.0	--	--	--	--	--	4	0	0	0	0	0
OU2MW-36S	5.0 - 15.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-36I	25.0 - 30.0	--	--	--	--	--	1,302	573	325	0	0	0
OU2MW-36I2	45.0 - 50.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-36D	61.0 - 66.0	--	--	--	--	--	0	1	0	0	0	0
OU2MW-37S	5.0 - 15.0	--	--	--	--	--	0	0	3	0	0	0
OU2MW-37I	25.0 - 30.0	--	--	--	--	--	43	38	216	23	0	11
OU2MW-37I2	45.0 - 50.0	--	--	--	--	--	0	0	3	0	0	0
OU2MW-37D	67.0 - 72.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	2,992	2,202	206	61	14	0
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-39S	5.0 - 15.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-39I	25.0 - 30.0	--	--	--	--	--	32	4	3	0	0	0
OU2MW-39I2	45.0 - 50.0	--	--	--	--	--	1	0	55	130	1	671

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2007		2008				2009				2010
		Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec	Jan-Mar	Apr-Jun	July-Sep	Oct-Dec	Jan-Mar
OU2MW-39D	70.0 - 75.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-40S	5.0 - 15.0	--	--	--	--	0	0	0	0	0	0	0
OU2MW-40I	18.0 - 23.0	--	--	--	--	165	122	167	71	25	16	14
OU2MW-41S	5.0 - 15.0	--	--	--	--	0	143	0	0	0	0	1
OU2MW-41I	18.0 - 23.0	--	--	--	--	2,370	3,785	4,276	1,981	540	129	543
OU2MW-42S	5.0 - 15.0	--	--	--	--	--	--	--	107	0	0	5
OU2MW-42I	25.0 - 30.0	--	--	--	--	--	--	--	2	0	0	106
OU2MW-42I2	45.0 - 50.0	--	--	--	--	--	--	--	0	0	0	0
OU2MW-42D	60.0 - 65.0	--	--	--	--	--	--	--	4	185	373	199
OU2MW-43S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	219	31
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	197	18
OU2MW-43I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	5,130	10
OU2MW-43D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	14	71
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	1	0
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-45S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	45	0
OU2MW-45I	20.0 - 25.0	--	--	--	--	--	30	8	5	1	2	200
OU2MW-45I2	40.0 - 45.0	--	--	--	--	--	39	7	0	0	0	0
OU2MW-45D	55.0 - 60.0	--	--	--	--	--	0	0	0	2	0	0
OU2MW-46S	5.0 - 15.0	--	--	--	--	--	0	31	0	0	0	0
OU2MW-46I	20.0 - 25.0	--	--	--	--	--	2,503	2,169	12	0	0	0
OU2MW-46I2	40.0 - 45.0	--	--	--	--	--	0	4	56	0	0	0
OU2MW-47S	5.0 - 15.0	--	--	--	--	--	56	0	0	0	0	0
OU2MW-47I	20.0 - 25.0	--	--	--	--	--	785	1,043	4	0	1	0
OU2MW-47I2	40.0 - 45.0	--	--	--	--	--	6,146	3,627	8	31	7	4
OU2MW-47D	60.0 - 65.0	--	--	--	--	--	7,437	7,007	6,751	3,906	1,550	0
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2010			2011				2012				2013
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
BBMW-02S	5.0 - 15.0	0	0	0	0	0	2	0	0	0	0	--	--
BBMW-02I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	--	--
BBMW-02D	73.0 - 83.0	0	0	0	0	0	0	0	0	0	0	--	--
BBMW-15S	5.0 - 15.0	0	0	0	0	2	0	0	0	0	0	--	--
BBMW-15I	23.0 - 28.0	0	0	0	0	0	0	0	0	0	0	--	--
BBMW-15I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	--	--
BBMW-15D	70.0 - 80.0	0	0	0	0	0	0	0	0	0	0	--	--
BBMW-16S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
BBMW-16I	35.0 - 45.0	0	0	0	0	0	0	0	1	0	0	--	--
BBMW-16D	68.0 - 78.0	0	0	0	0	0	0	0	0	0	0	--	--
BBMW-24S	4.0 - 14.0	0	0	0	0	0	0	0	0	0	0	--	--
BBMW-24I	32.0 - 42.0	0	0	0	0	0	0	0	0	0	0	--	--
BBMW-24D	59.5 - 69.5	114	26	3	1	0	2	0	0	0	0	0	0
GM-03S	6.78 - 21.78	--	--	--	--	--	--	--	--	--	--	--	--
GM-03I	30.03 - 45.03	--	--	--	--	--	--	--	--	--	--	--	--
GM-03D	53.18 - 68.18	--	--	--	--	--	--	--	--	--	--	--	--
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-08S	20.0 - 25.0	820	84	52	1	4	2	4	0	0	0	--	--
OU2MW-08I	35.0 - 40.0	9	60	0	0	7	17	0	39	9	0	1	2
OU2MW-08I2	50.0 - 55.0	524	704	2,146	489	909	2,102	2,599	1,989	2,330	630	363	146
OU2MW-08D	65.0 - 70.0	0	0	0	0	0	6	0	0	0	6	--	--
OU2MW-19I	13.0 - 23.0	11	0	0	0	0	0	0	0	3	0	0	0
OU2MW-19I2	35.0 - 45.0	41	69	4	3	0	0	0	0	8	0	5	0
OU2MW-19D	65.0 - 70.0	0	0	30	212	20	4	14	254	180	231	13	0
OU2MW-20S	4.0 - 9.0	0	0	0	0	0	0	0	0	2	0	--	--
OU2MW-20I	13.0 - 23.0	2	3	16	0	0	0	0	0	0	0	0	0
OU2MW-20I2	35.0 - 45.0	0	0	0	0	0	5	0	0	0	0	--	--
OU2MW-20D	65.0 - 70.0	0	0	0	0	0	0	0	0	1	0	--	--
OU2MW-21S	5.0 - 15.0	13	0	0	0	0	0	0	0	0	0	--	--

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2010			2011				2012				2013
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
OU2MW-21I	13.0 - 23.0	29	0	0	0	0	0	0	0	0	0	--	--
OU2MW-21I2	35.0 - 45.0	1	2	1	1	0	0	0	0	0	0	--	--
OU2MW-22S	5.0 - 15.0	0	0	0	0	0	0	0	0	3	0	--	--
OU2MW-22I	25.0 - 30.0	0	22	22	0	0	58	0	0	4	0	4	--
OU2MW-22I2	46.0 - 51.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-22D	67.0 - 72.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-23S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-23I	25.0 - 30.0	0	0	583	1,009	0	0	0	2	0	0	0	1
OU2MW-23I2	45.0 - 50.0	0	0	0	2	0	9	434	126	123	268	81	9
OU2MW-23D	65.0 - 70.0	0	0	0	0	0	0	0	0	4	0	--	--
OU2MW-24S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-24I	25.0 - 30.0	5	0	0	0	0	0	0	0	0	0	--	--
OU2MW-24I2	45.0 - 50.0	0	0	187	9	24	356	3	1	220	523	4	122
OU2MW-24D	62.0 - 67.0	0	0	0	0	0	0	0	0	3	0	--	--
OU2MW-25S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-25I	25.0 - 30.0	0	6	52	30	3	1	30	4	0	0	12	0
OU2MW-25I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-25D	70.0 - 75.0	0	0	0	0	0	0	0	0	2	0	--	--
OU2MW-26S	6.0 - 11.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-26I	13.0 - 23.0	1	0	0	0	0	0	19	0	0	0	0	--
OU2MW-26I2	35.0 - 45.0	6	0	0	0	0	0	0	0	0	0	--	--
OU2MW-26D	60.0 - 70.0	2,232	3,291	3,640	381	14	14	0	6	0	0	0	0
OU2MW-27S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-27I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-27I2	45.0 - 50.0	0	2	1	0	0	0	0	0	0	0	--	--
OU2MW-27D	65.0 - 70.0	2	1	0	0	4	438	0	10	0	4	25	--
OU2MW-28S	5.0 - 15.0	0	0	0	0	0	1	0	0	0	4	--	--
OU2MW-28I	28.0 - 33.0	0	0	0	0	0	1	0	0	2	5	--	--
OU2MW-28I2	40.0 - 45.0	4,443	4,414	0	0	3	99	20	183	0	1	0	0
OU2MW-29I	18.0 - 23.0	0	0	0	1	27	0	0	0	8	11	--	0
OU2MW-29I2	30.0 - 35.0	57	15	1	0	0	0	0	0	0	33	--	0
OU2MW-29D	45.0 - 50.0	789	2,278	652	1,316	721	1,513	813	1,372	1,193	1,402	328	207
OU2MW-30S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30I	25.0 - 30.0	5	0	0	0	0	0	0	0	0	6	0	0
OU2MW-30I2	30.0 - 35.0	2	13	0	0	0	0	0	0	0	0	0	0

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2010			2011				2012				2013
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
OU2MW-30I3	45.0 - 50.0	0	73	0	0	0	5	4	0	0	3	0	0
OU2MW-30D	50.0 - 55.0	3	6	2	5	0	2	0	3	2	5	0	0
OU2MW-30D2	60.0 - 65.0	2,248	2,312	273	10	0	194	0	0	0	2	0	0
OU2MW-31I	18.0 - 23.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-31I2	30.0 - 35.0	0	0	0	18	0	0	0	0	0	0	--	--
OU2MW-32S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-32I	20.0 - 25.0	573	202	116	34	25	27	21	22	16	12	--	--
OU2MW-32I2	30.0 - 35.0	578	132	58	14	10	16	6	26	5	4	128	0
OU2MW-32D	40.0 - 45.0	0	2	0	0	0	2	598	4	55	1,578	225	825
OU2MW-33S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-33I	25.0 - 30.0	63	10	0	0	0	0	0	0	1	0	--	--
OU2MW-33I2	35.0 - 40.0	6	0	0	0	0	0	0	0	0	0	--	--
OU2MW-33D	50.0 - 55.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-34S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-34I/34IR	25.0 - 30.0	195	53	34	14	2	230	2	0	0	4	0	0
OU2MW-34I2/34I2R	45.0 - 50.0	0	0	0	0	0	0	17	14	2	16	16	0
OU2MW-35S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-35I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-35I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-35D	57.0 - 62.0	0	0	8	0	0	0	0	4	3	0	0	0
OU2MW-36S	5.0 - 15.0	0	0	0	0	0	0	0	0	2	0	--	--
OU2MW-36I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-36I2	45.0 - 50.0	0	0	0	0	0	0	0	0	1	0	--	--
OU2MW-36D	61.0 - 66.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-37S	5.0 - 15.0	0	0	0	0	0	0	0	0	4	0	--	--
OU2MW-37I	25.0 - 30.0	0	65	0	0	0	0	0	0	4	0	--	--
OU2MW-37I2	45.0 - 50.0	0	0	0	0	0	0	0	0	4	0	--	--
OU2MW-37D	67.0 - 72.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-38S	5.0 - 15.0	0	0	0	0	0	0	0	0	2	0	--	--
OU2MW-38I	25.0 - 30.0	0	0	0	0	0	0	0	0	2	0	--	--
OU2MW-38I2	46.0 - 51.0	0	26	5	7	116	164	0	439	1,312	35	2	0
OU2MW-38D	56.0 - 61.0	0	60	11	0	0	0	0	0	3	0	9	0
OU2MW-39S	5.0 - 15.0	0	0	0	0	0	0	4	0	4	0	0	12
OU2MW-39I	25.0 - 30.0	0	0	0	0	0	0	2	1	4	0	0	0
OU2MW-39I2	45.0 - 50.0	220	89	0	14	0	393	1,217	1,051	1,063	1,404	1,825	3,780

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2010			2011				2012				2013
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
OU2MW-39D	70.0 - 75.0	0	0	0	0	0	0	0	1	3	0	0	0
OU2MW-40S	5.0 - 15.0	0	0	0	0	0	0	51	0	0	0	0	20
OU2MW-40I	18.0 - 23.0	0	0	0	0	0	0	0	10	0	0	--	--
OU2MW-41S	5.0 - 15.0	19	0	0	0	0	0	0	0	0	0	--	--
OU2MW-41I	18.0 - 23.0	0	13	0	0	0	0	54	66	0	5	10	32
OU2MW-42S	5.0 - 15.0	0	0	5	0	2	3	0	0	2	0	--	--
OU2MW-42I	25.0 - 30.0	14	7	0	0	0	0	0	0	2	0	--	--
OU2MW-42I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	44	--	--
OU2MW-42D	60.0 - 65.0	80	56	121	26	115	68	13	41	25	347	917	3,289
OU2MW-43S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-43I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-43I2	45.0 - 50.0	96	0	1,293	259	5	38	0	218	97	4	295	291
OU2MW-43D	65.0 - 70.0	10	4	44	0	119	320	416	333	313	1,407	1,869	2,458
OU2MW-44S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-44I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-44I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-44D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-45S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-45I	20.0 - 25.0	25	1	0	0	0	0	0	0	0	0	--	--
OU2MW-45I2	40.0 - 45.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-45D	55.0 - 60.0	0	0	0	0	13	0	0	0	0	0	--	--
OU2MW-46S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-46I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-46I2	40.0 - 45.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-47S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47I2	40.0 - 45.0	8	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47D	60.0 - 65.0	6	32	4	2	21	10	0	0	0	0	0	0
OU2MW-55S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-55I	30.0 - 35.0	0	0	0	0	0	0	111	0	0	0	0	0
OU2MW-55I2	50.0 - 55.0	18	336	0	0	0	0	0	0	0	0	0	0
OU2MW-55D	65.0 - 70.0	179	29	252	5	35	2	0	0	0	0	0	1
OU2MW-56S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--
OU2MW-56I	25.0 - 30.0	6	0	0	0	0	0	0	0	0	0	--	--
OU2MW-56I2	45.0 - 50.0	0	0	0	0	0	0	8	0	0	0	--	--
OU2MW-56D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	--	--

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2013			2014				2015			
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-02S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-02I	30.0 - 40.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-02D	73.0 - 83.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-15S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-15I	23.0 - 28.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-15I2	35.0 - 45.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-15D	70.0 - 80.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-16S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-16I	35.0 - 45.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-16D	68.0 - 78.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-24S	4.0 - 14.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-24I	32.0 - 42.0	0	--	--	--	0	--	--	--	--	--	--
BBMW-24D	59.5 - 69.5	0	2	--	--	8	--	--	--	0	--	--
GM-03S	6.78 - 21.78	--	--	--	--	--	--	--	--	--	--	--
GM-03I	30.03 - 45.03	--	--	--	--	--	--	--	--	--	--	--
GM-03D	53.18 - 68.18	--	--	--	--	--	--	--	--	--	--	--
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-08S	20.0 - 25.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-08I	35.0 - 40.0	0	0	0	0	0	--	--	--	0	--	--
OU2MW-08I2	50.0 - 55.0	171	85	103	56	75	117	105	135	134	173	76
OU2MW-08D	65.0 - 70.0	1	--	--	--	0	--	--	--	--	--	--
OU2MW-19I	13.0 - 23.0	0	22	0	0	0	0	0	0	0	0	0
OU2MW-19I2	35.0 - 45.0	16	44	0	0	0	0	0	0	0	0	2
OU2MW-19D	65.0 - 70.0	1,568	1,911	3	1,141	1,308	748	1,274	3,101	750	2,386	1,335
OU2MW-20S	4.0 - 9.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-20I	13.0 - 23.0	0	0	--	--	0	--	--	--	0	--	--
OU2MW-20I2	35.0 - 45.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-20D	65.0 - 70.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-21S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2013			2014				2015			
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-21I	13.0 - 23.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-21I2	35.0 - 45.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-22S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-22I	25.0 - 30.0	0	0	3	--	0	--	--	--	0	--	--
OU2MW-22I2	46.0 - 51.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-22D	67.0 - 72.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-23S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-23I	25.0 - 30.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-23I2	45.0 - 50.0	0	0	0	0	0	--	--	--	0	--	--
OU2MW-23D	65.0 - 70.0	0	0	--	--	0	--	--	--	0	--	--
OU2MW-24S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-24I	25.0 - 30.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-24I2	45.0 - 50.0	1,610	1,959	961	3,130	322	688	202	719	1	1	0
OU2MW-24D	62.0 - 67.0	20	0	--	0	0	--	--	--	0	--	--
OU2MW-25S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-25I	25.0 - 30.0	0	0	16	0	0	0	45	0	0	0	0
OU2MW-25I2	45.0 - 50.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-25D	70.0 - 75.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-26S	6.0 - 11.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-26I	13.0 - 23.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-26I2	35.0 - 45.0	0	--	--	--	1	--	--	--	--	--	--
OU2MW-26D	60.0 - 70.0	0	0	0	0	0	--	--	--	0	--	--
OU2MW-27S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-27I	25.0 - 30.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-27I2	45.0 - 50.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-27D	65.0 - 70.0	0	0	0	0	0	--	--	--	0	--	--
OU2MW-28S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-28I	28.0 - 33.0	0	--	--	--	2	--	--	--	--	--	--
OU2MW-28I2	40.0 - 45.0	0	0	0	0	0	--	--	--	0	--	--
OU2MW-29I	18.0 - 23.0	0	0	10	0	0	--	--	--	0	--	--
OU2MW-29I2	30.0 - 35.0	0	67	0	5	0	0	0	0	0	--	--
OU2MW-29D	45.0 - 50.0	58	70	128	118	76	41	42	11	15	8	1
OU2MW-30S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30I2	30.0 - 35.0	0	0	0	0	0	0	0	0	0	0	0

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2013			2014				2015			
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-30I3	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30D	50.0 - 55.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30D2	60.0 - 65.0	0	4	10	0	0	63	0	0	0	0	0
OU2MW-31I	18.0 - 23.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-31I2	30.0 - 35.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-32S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-32I	20.0 - 25.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-32I2	30.0 - 35.0	0	0	47	0	0	0	0	0	0	0	0
OU2MW-32D	40.0 - 45.0	1,451	1,572	752	284	440	1,135	1,120	427	5	4	7
OU2MW-33S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-33I	25.0 - 30.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-33I2	35.0 - 40.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-33D	50.0 - 55.0	16	--	15	--	2	--	--	--	0	--	--
OU2MW-34S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-34I/34IR	25.0 - 30.0	10	0	0	0	0	0	--	--	--	--	0
OU2MW-34I2/34I2R	45.0 - 50.0	21	24	121	14	0	0	11	0	--	0	--
OU2MW-35S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-35I	25.0 - 30.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-35I2	45.0 - 50.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-35D	57.0 - 62.0	0	16	--	--	0	--	--	--	0	--	--
OU2MW-36S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-36I	25.0 - 30.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-36I2	45.0 - 50.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-36D	61.0 - 66.0	0	0	--	--	0	--	--	--	--	--	--
OU2MW-37S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-37I	25.0 - 30.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-37I2	45.0 - 50.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-37D	67.0 - 72.0	0	0	--	--	0	--	--	--	--	--	--
OU2MW-38S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-38I	25.0 - 30.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-38I2	46.0 - 51.0	0	0	0	--	0	--	--	--	0	--	--
OU2MW-38D	56.0 - 61.0	0	0	--	--	0	--	--	--	0	--	--
OU2MW-39S	5.0 - 15.0	0	1	0	0	0	0	7	2	0	0	0
OU2MW-39I	25.0 - 30.0	0	1	1	0	0	0	0	0	0	0	4
OU2MW-39I2	45.0 - 50.0	853	877	2,004	223	76	0	2	1	5	12	0

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2013			2014				2015			
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-39D	70.0 - 75.0	0	1	8	0	1	0	0	0	0	0	1
OU2MW-40S	5.0 - 15.0	0	1,490	0	33	14	0	0	0	0	0	0
OU2MW-40I	18.0 - 23.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-41S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-41I	18.0 - 23.0	0	0	102	27	0	0	0	0	0	--	--
OU2MW-42S	5.0 - 15.0	1	--	--	--	0	--	--	--	--	--	--
OU2MW-42I	25.0 - 30.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-42I2	45.0 - 50.0	128	--	22	33	0	59	742	0	0	0	97
OU2MW-42D	60.0 - 65.0	2,468	2,901	3,504	3,948	3,444	2,650	3,502	2,628	2,091	2,033	3,531
OU2MW-43S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-43I	25.0 - 30.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-43I2	45.0 - 50.0	1,349	602	417	170	5	0	9	12	0	--	--
OU2MW-43D	65.0 - 70.0	1,868	4,928	2,286	3,044	2,393	2,579	2,219	3,767	1,628	1,357	2,312
OU2MW-44S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-44I	25.0 - 30.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-44I2	45.0 - 50.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-44D	65.0 - 70.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-45S	5.0 - 15.0	0	--	--	--	0	--	--	--	0	0	0
OU2MW-45I	20.0 - 25.0	0	--	--	--	0	--	--	--	18	0	0
OU2MW-45I2	40.0 - 45.0	0	--	--	--	0	--	--	--	0	0	0
OU2MW-45D	55.0 - 60.0	0	--	--	--	0	--	--	--	0	0	0
OU2MW-46S	5.0 - 15.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-46I	20.0 - 25.0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-46I2	40.0 - 45.0	0	2	--	--	0	--	--	--	--	--	--
OU2MW-47S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47I2	40.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47D	60.0 - 65.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-55S	5.0 - 15.0	0	0	0	0	0	0	0	0	5	0	0
OU2MW-55I	30.0 - 35.0	0	0	0	0	0	0	0	0	7	0	0
OU2MW-55I2	50.0 - 55.0	0	0	0	0	0	0	0	0	5	0	0
OU2MW-55D	65.0 - 70.0	0	0	0	0	0	0	0	0	4	0	0
OU2MW-56S	5.0 - 15.0	2	--	--	--	0	--	--	--	0	0	0
OU2MW-56I	25.0 - 30.0	0	--	--	--	0	--	--	--	0	0	0
OU2MW-56I2	45.0 - 50.0	0	--	--	--	0	--	--	--	0	0	0
OU2MW-56D	65.0 - 70.0	0	--	--	--	0	--	--	--	0	0	0

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2016				2017				2018			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-02S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-02I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-02D	73.0 - 83.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-15S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-15I	23.0 - 28.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-15I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-15D	70.0 - 80.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-16I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-16D	68.0 - 78.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-24S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-24I	32.0 - 42.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-24D	59.5 - 69.5	--	--	--	--	--	--	--	--	--	--	--	--
GM-03S	6.78 - 21.78	--	--	--	--	--	--	--	--	--	--	--	--
GM-03I	30.03 - 45.03	--	--	--	--	--	--	--	--	--	--	--	--
GM-03D	53.18 - 68.18	--	--	--	--	--	--	--	--	--	--	--	--
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08I2	50.0 - 55.0	108	66	79	41	--	10	--	--	--	1.7	--	--
OU2MW-08D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-19I	13.0 - 23.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-19I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-19D	65.0 - 70.0	351	205	204	47	104	0	0	5	18	448.6	6	0
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2016				2017				2018			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I2	45.0 - 50.0	0	0	0	--	--	--	--	0	--	0	--	--
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25I	25.0 - 30.0	0	2	--	--	--	--	--	0	--	0	--	--
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-28I	28.0 - 33.0	--	--	--	--	--	--	--	0	--	0	--	--
OU2MW-28I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-29I2	30.0 - 35.0	--	--	--	--	--	--	--	0	--	0	--	--
OU2MW-29D	45.0 - 50.0	1	0	0	0	--	0	--	--	--	0	--	--
OU2MW-30S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30I2	30.0 - 35.0	0	2	0	0	0	3	0	0	0	0	0	0

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2016				2017				2018			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-30I3	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30D	50.0 - 55.0	3	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30D2	60.0 - 65.0	0	0	0	0	3	1	1	1	1	1.2	0	0
OU2MW-31I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	30.0 - 35.0	0	0	--	--	--	--	--	0	--	0	--	--
OU2MW-32D	40.0 - 45.0	2	0	0	0	--	0	--	--	--	0	--	--
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33D	50.0 - 55.0	--	0	0	--	--	--	--	--	--	--	--	--
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34I/34IR	25.0 - 30.0	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-34I2/34I2R	45.0 - 50.0	--	--	--	--	--	--	--	0	0	0	0	0
OU2MW-35S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	57.0 - 62.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	61.0 - 66.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	5.0 - 15.0	0	0	0	0	0	0	0	2	0	0	0	0
OU2MW-39I	25.0 - 30.0	1	0	0	0	0	0	0	6	0	0	0	0
OU2MW-39I2	45.0 - 50.0	4	3	0	0	32	0	0	0	0	0	0	9

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2016				2017				2018			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-39D	70.0 - 75.0	0	0	3	0	0	2	0	3	0	0	0	0
OU2MW-40S	5.0 - 15.0	0	0	--	--	--	--	--	0	--	0	--	--
OU2MW-40I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-41S	5.0 - 15.0	--	--	0	--	--	0	--	--	--	--	--	--
OU2MW-41I	18.0 - 23.0	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-42S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	45.0 - 50.0	49	0	0	0	0	0	--	--	--	0	--	--
OU2MW-42D	60.0 - 65.0	1,827	1,768	2,251	2,931	5,230	2,370	4,487	2,531	4,269	4736	3,034	1,753
OU2MW-43S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	45.0 - 50.0	--	0	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	65.0 - 70.0	673	319	315	370	597	332	526	599	155	0	405	551
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	5.0 - 15.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-45I	20.0 - 25.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-45I2	40.0 - 45.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-45D	55.0 - 60.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-46S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47I2	40.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47D	60.0 - 65.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-55S	5.0 - 15.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-55I	30.0 - 35.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-55I2	50.0 - 55.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-55D	65.0 - 70.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-56S	5.0 - 15.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-56I	25.0 - 30.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-56I2	45.0 - 50.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-56D	65.0 - 70.0	0	0	--	--	--	0	--	--	--	--	--	--

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2019				2020			2021			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-02S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-02I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-02D	73.0 - 83.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-15S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-15I	23.0 - 28.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-15I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-15D	70.0 - 80.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-16S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-16I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-16D	68.0 - 78.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-24S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-24I	32.0 - 42.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-24D	59.5 - 69.5	--	--	--	--	--	--	--	--	--	--	--
GM-03S	6.78 - 21.78	--	--	--	--	--	--	--	--	--	--	--
GM-03I	30.03 - 45.03	--	--	--	--	--	--	--	--	--	--	--
GM-03D	53.18 - 68.18	--	--	--	--	--	--	--	--	--	--	--
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	0	--	--	--	--	--
OU2MW-08S	20.0 - 25.0	--	--	--	--	--	0	--	--	--	--	--
OU2MW-08I	35.0 - 40.0	--	--	--	--	--	0	--	--	--	--	--
OU2MW-08I2	50.0 - 55.0	--	--	--	--	--	0	--	--	--	--	--
OU2MW-08D	65.0 - 70.0	--	--	--	--	--	0	--	--	--	--	--
OU2MW-19I	13.0 - 23.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-19I2	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-19D	65.0 - 70.0	2	0	8.2	0	31	36	2	31	13	61	5
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-20D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2019				2020			2021			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-24I2	45.0 - 50.0	--	0	--	--	--	--	--	--	--	--	--
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25I	25.0 - 30.0	--	0	--	--	--	--	--	--	--	--	--
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-27S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-27I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-27I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-27D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-28S	5.0 - 15.0	--	--	--	--	--	0	--	--	--	0	0
OU2MW-28I	28.0 - 33.0	--	0	--	--	--	0	--	--	--	0	0
OU2MW-28I2	40.0 - 45.0	--	--	--	--	--	0	--	--	--	0	0
OU2MW-29I	18.0 - 23.0	--	--	--	--	--	0	--	--	--	0	0
OU2MW-29I2	30.0 - 35.0	--	0	--	--	--	0	--	--	--	0	0
OU2MW-29D	45.0 - 50.0	--	--	--	--	--	1	--	--	--	0	0
OU2MW-30S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30I2	30.0 - 35.0	0	0	0	0	0	0	0	0	0	0	0

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2019				2020			2021			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-30I3	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30D	50.0 - 55.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-30D2	60.0 - 65.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-31I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-32S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-32I2	30.0 - 35.0	--	0	--	--	--	--	--	--	--	--	--
OU2MW-32D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-33D	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-34I/34IR	25.0 - 30.0	--	0	--	--	--	0	--	--	--	--	--
OU2MW-34I2/34I2R	45.0 - 50.0	--	0	--	--	--	0	--	--	--	--	--
OU2MW-35S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-35D	57.0 - 62.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-36D	61.0 - 66.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-37D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-39S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-39I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-39I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	0

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2019				2020			2021			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-39D	70.0 - 75.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-40S	5.0 - 15.0	--	0	--	--	--	--	--	--	--	0	0
OU2MW-40I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-41S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-41I	18.0 - 23.0	--	--	--	--	--	--	--	--	--	0	0
OU2MW-42S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-42I2	45.0 - 50.0	--	0	--	--	--	--	--	--	--	--	--
OU2MW-42D	60.0 - 65.0	2,037	692	642	498	646	948	2,031	880	482	90	13
OU2MW-43S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-43D	65.0 - 70.0	173	335	69.97	13	69	297	429	340	311	166	0
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-45D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-46I2	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-47S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47I2	40.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-47D	60.0 - 65.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date						Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2022				2023						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-02S	5.0 - 15.0	--	--	--	--	--	--	0	2	0	0	0
BBMW-02I	30.0 - 40.0	--	--	--	--	--	--	0	0	0	0	0
BBMW-02D	73.0 - 83.0	--	--	--	--	--	--	0	2	0	0	0
BBMW-15S	5.0 - 15.0	--	--	--	--	--	--	0	2	0	0	0
BBMW-15I	23.0 - 28.0	--	--	--	--	--	--	0	48	2	0	0
BBMW-15I2	35.0 - 45.0	--	--	--	--	--	--	0	77	3	0	0
BBMW-15D	70.0 - 80.0	--	--	--	--	--	--	0	2	0	0	0
BBMW-16S	5.0 - 15.0	--	--	--	--	--	--	0	2	0	0	0
BBMW-16I	35.0 - 45.0	--	--	--	--	--	--	0	2	0	0	0
BBMW-16D	68.0 - 78.0	--	--	--	--	--	--	0	23	1	0	0
BBMW-24S	4.0 - 14.0	--	--	--	--	--	--	0	908	29	0	0
BBMW-24I	32.0 - 42.0	--	--	--	--	--	--	0	11,246	2,275	0	0
BBMW-24D	59.5 - 69.5	--	--	--	--	--	--	0	8,110	1,397	0	0
GM-03S	6.78 - 21.78	--	--	--	--	--	--	0	510	101	0	0
GM-03I	30.03 - 45.03	--	--	--	--	--	--	0	1,330	229	0	0
GM-03D	53.18 - 68.18	--	--	--	--	--	--	0	1,238	117	0	0
MW-16AS	3.0 - 13.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-08WT	3.0 - 8.0	--	--	--	--	--	0	0	62	4	0	0
OU2MW-08S	20.0 - 25.0	--	--	--	--	--	0	0	13,563	3,652	0	0
OU2MW-08I	35.0 - 40.0	--	--	--	--	--	0	0	12,258	1,838	0	0
OU2MW-08I2	50.0 - 55.0	--	--	--	--	--	0	0	3,501	983	0	0
OU2MW-08D	65.0 - 70.0	--	--	--	--	--	0	0	3,892	130	0	0
OU2MW-19I	13.0 - 23.0	0	0	0	0	0	0	0	1,459	61	0	0
OU2MW-19I2	35.0 - 45.0	0	0	0	0	0	0	0	7,648	788	0	0
OU2MW-19D	65.0 - 70.0	5	0	7	0	0	0	0	3,718	615	0	7
OU2MW-20S	4.0 - 9.0	--	--	--	--	--	--	0	2	0	0	0
OU2MW-20I	13.0 - 23.0	--	--	--	--	--	--	0	101	12	0	0
OU2MW-20I2	35.0 - 45.0	--	--	--	--	--	--	0	5	0	0	0
OU2MW-20D	65.0 - 70.0	--	--	--	--	--	--	0	2	0	0	0
OU2MW-21S	5.0 - 15.0	--	--	--	--	--	--	0	424	44	0	0

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date						Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2022				2023						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
OU2MW-21I	13.0 - 23.0	--	--	--	--	--	--	0	5,417	599	0	0
OU2MW-21I2	35.0 - 45.0	--	--	--	--	--	--	0	3,985	816	0	0
OU2MW-22S	5.0 - 15.0	--	--	--	--	--	--	0	3	0	0	0
OU2MW-22I	25.0 - 30.0	--	--	--	--	--	--	0	181	16	0	0
OU2MW-22I2	46.0 - 51.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-22D	67.0 - 72.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-23S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-23I	25.0 - 30.0	--	--	--	--	--	--	0	1,009	129	0	0
OU2MW-23I2	45.0 - 50.0	--	--	--	--	--	--	0	434	44	0	0
OU2MW-23D	65.0 - 70.0	--	--	--	--	--	--	0	4	0	0	0
OU2MW-24S	5.0 - 15.0	--	--	--	--	--	--	0	258	15	0	0
OU2MW-24I	25.0 - 30.0	--	--	--	--	--	--	0	6,015	748	0	0
OU2MW-24I2	45.0 - 50.0	--	--	--	--	--	--	0	3,130	316	0	0
OU2MW-24D	62.0 - 67.0	--	--	--	--	--	--	0	20	1	0	0
OU2MW-25S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-25I	25.0 - 30.0	--	--	--	--	--	--	0	149	23	0	0
OU2MW-25I2	45.0 - 50.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-25D	70.0 - 75.0	--	--	--	--	--	--	0	2	0	0	0
OU2MW-26S	6.0 - 11.0	--	--	--	--	--	--	0	5	0	0	0
OU2MW-26I	13.0 - 23.0	--	--	--	--	--	--	0	277	38	0	0
OU2MW-26I2	35.0 - 45.0	--	--	--	--	--	--	0	3,990	383	0	0
OU2MW-26D	60.0 - 70.0	--	--	--	--	--	--	0	5,814	1,206	0	0
OU2MW-27S	5.0 - 15.0	0	0	0	--	--	0	0	0	0	0	0
OU2MW-27I	25.0 - 30.0	0	0	0	--	--	0	0	10	1	0	0
OU2MW-27I2	45.0 - 50.0	0	0	0	--	--	0	0	18	2	0	0
OU2MW-27D	65.0 - 70.0	0	0	0	--	--	0	0	1,150	71	0	0
OU2MW-28S	5.0 - 15.0	0	0	0	--	--	0	0	4	0	0	0
OU2MW-28I	28.0 - 33.0	0	0	0	--	--	1	0	283	21	0	1
OU2MW-28I2	40.0 - 45.0	0	0	1	--	--	0	0	4,443	384	0	1
OU2MW-29I	18.0 - 23.0	0	0	0	--	--	0	0	1,083	112	0	0
OU2MW-29I2	30.0 - 35.0	0	0	0	--	--	0	0	6,159	564	0	0
OU2MW-29D	45.0 - 50.0	0	0	0	--	--	0	0	2,937	707	0	0
OU2MW-30S	5.0 - 15.0	0	0	0	0	0	0	0	1,990	36	0	0
OU2MW-30I	25.0 - 30.0	0	0	0	0	0	0	0	7,304	369	0	0
OU2MW-30I2	30.0 - 35.0	0	0	0	0	0	0	0	6,605	424	0	0

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date						Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2022				2023						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
OU2MW-30I3	45.0 - 50.0	0	0	0	0	0	0	0	5,586	302	0	0
OU2MW-30D	50.0 - 55.0	0	0	0	0	0	0	0	5,989	257	0	0
OU2MW-30D2	60.0 - 65.0	0	0	1	7	0	0	0	4,735	410	0	7
OU2MW-31I	18.0 - 23.0	0	0	0	--	--	0	0	488	40	0	0
OU2MW-31I2	30.0 - 35.0	0	0	0	--	--	0	0	841	39	0	0
OU2MW-32S	5.0 - 15.0	--	--	--	--	--	--	0	63	3	0	0
OU2MW-32I	20.0 - 25.0	--	--	--	--	--	--	0	7,796	1,509	0	0
OU2MW-32I2	30.0 - 35.0	--	--	--	--	--	--	0	5,230	341	0	0
OU2MW-32D	40.0 - 45.0	--	--	--	--	--	--	0	1,578	336	0	0
OU2MW-33S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-33I	25.0 - 30.0	--	--	--	--	--	--	0	565	55	0	0
OU2MW-33I2	35.0 - 40.0	--	--	--	--	--	--	0	679	48	0	0
OU2MW-33D	50.0 - 55.0	--	--	--	--	--	--	0	16	2	0	0
OU2MW-34S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-34I/34IR	25.0 - 30.0	--	--	--	--	--	--	0	333	60	0	0
OU2MW-34I2/34I2R	45.0 - 50.0	--	--	--	--	--	--	0	121	8	0	0
OU2MW-35S	5.0 - 15.0	--	--	--	--	--	--	0	3	0	0	0
OU2MW-35I	25.0 - 30.0	--	--	--	--	--	--	0	2,270	140	0	0
OU2MW-35I2	45.0 - 50.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-35D	57.0 - 62.0	--	--	--	--	--	--	0	16	2	0	0
OU2MW-36S	5.0 - 15.0	--	--	--	--	--	--	0	2	0	0	0
OU2MW-36I	25.0 - 30.0	--	--	--	--	--	--	0	1,302	122	0	0
OU2MW-36I2	45.0 - 50.0	--	--	--	--	--	--	0	1	0	0	0
OU2MW-36D	61.0 - 66.0	--	--	--	--	--	--	0	1	0	0	0
OU2MW-37S	5.0 - 15.0	--	--	--	--	--	--	0	4	0	0	0
OU2MW-37I	25.0 - 30.0	--	--	--	--	--	--	0	216	22	0	0
OU2MW-37I2	45.0 - 50.0	--	--	--	--	--	--	0	4	0	0	0
OU2MW-37D	67.0 - 72.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-38S	5.0 - 15.0	--	--	--	--	--	--	0	2	0	0	0
OU2MW-38I	25.0 - 30.0	--	--	--	--	--	--	0	2,992	304	0	0
OU2MW-38I2	46.0 - 51.0	--	--	--	--	--	--	0	1,312	92	0	0
OU2MW-38D	56.0 - 61.0	--	--	--	--	--	--	0	60	4	0	0
OU2MW-39S	5.0 - 15.0	0	0	0	0	0	0	0	12	1	0	0
OU2MW-39I	25.0 - 30.0	0	0	0	0	8	0	0	32	1	0	8
OU2MW-39I2	45.0 - 50.0	0	0	0	0	0	0	0	3,780	297	0	0

Table 4-7. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Mid-Plume Treatment Area
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date						Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2022				2023						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
OU2MW-39D	70.0 - 75.0	0	0	0	0	0	0	0	8	0	0	0
OU2MW-40S	5.0 - 15.0	0	0	0	--	--	0	0	1,490	41	0	0
OU2MW-40I	18.0 - 23.0	0	0	0	--	--	0	0	167	26	0	0
OU2MW-41S	5.0 - 15.0	0	0	0	--	--	0	0	143	7	0	0
OU2MW-41I	18.0 - 23.0	0	0	0	--	--	8	0	4,276	422	0	8
OU2MW-42S	5.0 - 15.0	--	--	--	--	--	--	0	107	8	0	0
OU2MW-42I	25.0 - 30.0	--	--	--	--	--	--	0	106	8	0	0
OU2MW-42I2	45.0 - 50.0	--	--	--	--	--	--	0	742	37	0	0
OU2MW-42D	60.0 - 65.0	172	121	160	324	220	19	4	5,230	1,635	19	324
OU2MW-43S	5.0 - 15.0	--	--	--	--	--	--	0	219	18	0	0
OU2MW-43I	25.0 - 30.0	--	--	--	--	--	--	0	197	15	0	0
OU2MW-43I2	45.0 - 50.0	--	--	--	--	--	--	0	5,130	429	0	0
OU2MW-43D	65.0 - 70.0	25	68	195	169	81	35	0	4,928	858	35	195
OU2MW-44S	5.0 - 15.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-44I	25.0 - 30.0	--	--	--	--	--	--	0	1	0	0	0
OU2MW-44I2	45.0 - 50.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-44D	65.0 - 70.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-45S	5.0 - 15.0	--	--	--	--	--	--	0	45	2	0	0
OU2MW-45I	20.0 - 25.0	--	--	--	--	--	--	0	200	12	0	0
OU2MW-45I2	40.0 - 45.0	--	--	--	--	--	--	0	39	2	0	0
OU2MW-45D	55.0 - 60.0	--	--	--	--	--	--	0	13	1	0	0
OU2MW-46S	5.0 - 15.0	--	--	--	--	--	--	0	31	2	0	0
OU2MW-46I	20.0 - 25.0	--	--	--	--	--	--	0	2,503	260	0	0
OU2MW-46I2	40.0 - 45.0	--	--	--	--	--	--	0	56	3	0	0
OU2MW-47S	5.0 - 15.0	0	0	0	0	0	0	0	56	1	0	0
OU2MW-47I	20.0 - 25.0	0	0	0	0	0	0	0	1,043	34	0	0
OU2MW-47I2	40.0 - 45.0	0	0	0	0	0	0	0	6,146	182	0	0
OU2MW-47D	60.0 - 65.0	0	0	0	0	0	0	0	7,437	495	0	0
OU2MW-55S	5.0 - 15.0	--	--	--	--	--	--	0	5	0	0	0
OU2MW-55I	30.0 - 35.0	--	--	--	--	--	--	0	111	5	0	0
OU2MW-55I2	50.0 - 55.0	--	--	--	--	--	--	0	336	14	0	0
OU2MW-55D	65.0 - 70.0	--	--	--	--	--	--	0	252	20	0	0
OU2MW-56S	5.0 - 15.0	--	--	--	--	--	--	0	2	0	0	0
OU2MW-56I	25.0 - 30.0	--	--	--	--	--	--	0	6	0	0	0
OU2MW-56I2	45.0 - 50.0	--	--	--	--	--	--	0	8	0	0	0
OU2MW-56D	65.0 - 70.0	--	--	--	--	--	--	0	0	0	0	0

Notes for groundwater tables are compiled at the end of the Tables in this section

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		1992	1999		2000	2002			2003			2004	
		Sep	Sep	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May
BBMW-03S	3.0 - 13.0	--	--	0	--	2	0	--	--	--	--	--	--
BBMW-03I	30.0 - 40.0	--	--	2	--	1	0	--	--	--	--	--	--
BBMW-03D	52.0 - 62.0	--	--	3	--	3	0	--	--	--	--	--	--
BBMW-07S	5.0 - 15.0	--	--	2	--	--	5	0	0	116	241	160	11
BBMW-07I	30.0 - 40.0	--	--	0	--	--	0	0	--	--	--	--	--
BBMW-07D	55.0 - 65.0	--	--	0	--	--	0	--	--	--	--	--	--
BBMW-25S	4.0 - 14.0	--	--	--	--	--	58	0	0	0	0	0	--
BBMW-25I	25.0 - 35.0	--	--	--	--	--	1,034	533	1,330	980	1,707	1,304	936
BBMW-25D	62.0 - 72.0	--	--	--	--	--	45	--	59	75	44	29	20
GM-05S	5.1 - 20.1	0	422	283	124	27	106	307	87	367	0	0	0
GM-05I	35.05 - 48.05	0	0	2	0	0	0	0	0	--	0	--	--
GM-05D	60.95 - 75.95	0	0	0	0	0	0	--	--	--	--	--	--
GM-08S	6.35-21.35	--	--	--	--	--	--	--	--	--	--	--	--
GM-08I	29.95-44.95	--	--	--	--	--	--	--	--	--	--	--	--
GM-08D	48.25-63.25	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	25.0 - 30.0	--	--	--	1,090	1,056	433	348	250	824	454	692	455
GMP-02	18.0 - 23.0	--	--	--	1,387	321	197	2,268	710	2,275	1,194	1,735	913
GMP-04	15.5 - 20.5	--	--	--	60	67	44	82	0	11	12	331	385
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		1992	1999		2000	2002			2003			2004	
		Sep	Sep	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May
OU2MW-01I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-05	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-09	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		1992	1999		2000	2002			2003			2004	
		Sep	Sep	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2004		2005				2006				2007
		Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar
BBMW-03S	3.0 - 13.0	0	0	--	--	0	--	0	0	0	0	393
BBMW-03I	30.0 - 40.0	0	0	--	--	0	--	0	0	0	0	0
BBMW-03D	52.0 - 62.0	--	0	--	--	0	--	0	0	0	0	0
BBMW-07S	5.0 - 15.0	39	20	0	--	--	0	0	0	37	0	0
BBMW-07I	30.0 - 40.0	--	0	--	--	--	--	--	--	--	--	--
BBMW-07D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	25
BBMW-25S	4.0 - 14.0	0	0	0	--	0	0	0	0	0	0	0
BBMW-25I	25.0 - 35.0	865	1,007	1,995	--	1,082	1,360	264	0	79	344	0
BBMW-25D	62.0 - 72.0	0	110	78	--	47	--	11	21	78	76	0
GM-05S	5.1 - 20.1	157	0	134	0	40	57	140	21	0	12	0
GM-05I	35.05 - 48.05	0	0	--	--	--	--	0	--	--	--	0
GM-05D	60.95 - 75.95	0	--	--	--	--	--	0	--	--	--	0
GM-08S	6.35-21.35	--	--	--	--	--	--	--	--	--	--	--
GM-08I	29.95-44.95	--	--	--	--	--	--	--	--	--	--	--
GM-08D	48.25-63.25	--	--	--	--	--	--	--	--	--	--	--
GMP-01	25.0 - 30.0	587	200	2,130	3,200	1,280	250	562	577	1,156	4,726	185
GMP-02	18.0 - 23.0	660	24	1,318	1,090	550	311	151	11	12	0	0
GMP-04	15.5 - 20.5	345	1,483	263	214	366	1,132	242	83	242	280	652
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01S	20.0 - 25.0	--	--	--	--	1,243	--	348	176	988	288	876

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2004		2005				2006				2007
		Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar
OU2MW-01I	35.0 - 40.0	--	--	--	--	77	--	767	170	170	424	885
OU2MW-01I2	50.0 - 55.0	--	--	--	--	25	--	195	126	52	51	51
OU2MW-01D	65.0 - 70.0	--	--	--	--	0	--	0	0	0	0	0
OU2MW-02S	20.0 - 25.0	--	--	--	--	100	--	181	111	282	573	27
OU2MW-02I	35.0 - 40.0	--	--	--	--	477	--	370	415	493	459	645
OU2MW-02I2	50.0 - 55.0	--	--	--	--	10	--	0	0	0	0	0
OU2MW-02D	65.0 - 70.0	--	--	--	--	0	--	0	0	0	0	0
OU2MW-03S	20.0 - 25.0	--	--	--	--	151	--	530	234	225	206	0
OU2MW-03I	35.0 - 40.0	--	--	--	--	0	--	0	0	0	182	0
OU2MW-03I2	50.0 - 55.0	--	--	--	--	0	--	0	0	0	0	11
OU2MW-03D	65.0 - 70.0	--	--	--	--	0	--	0	0	0	0	0
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04S	20.0 - 25.0	--	--	--	--	3,130	--	844	740	1,176	386	421
OU2MW-04I	35.0 - 40.0	--	--	--	--	267	--	885	296	23	0	134
OU2MW-04I2	50.0 - 55.0	--	--	--	--	41	--	32	0	0	0	0
OU2MW-04D	65.0 - 70.0	--	--	--	--	0	--	0	0	0	0	0
OU2MW-05	25.0 - 35.0	--	--	--	--	1,120	--	224	254	1,039	3,159	280
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	--	--	--	1,085	--	11	0	0	0	53
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	35	--	59	39	0	35	0
OU2MW-09	30.0 - 40.0	--	--	--	--	0	--	0	0	0	0	0
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2004		2005				2006				2007
		Jul/Aug	Nov/Dec	Feb/Mar	June	August	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2007			2008				2009				2010
		May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
BBMW-03S	3.0 - 13.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-03I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-03D	52.0 - 62.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-07S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-07I	30.0 - 40.0	0	--	0	0	0	0	0	0	0	0	0	0
BBMW-07D	55.0 - 65.0	0	--	0	0	0	0	0	0	0	0	0	0
BBMW-25S	4.0 - 14.0	0	0	0	2	0	0	0	0	0	0	0	0
BBMW-25I	25.0 - 35.0	150	252	41	158	169	101	523	469	301	46	18	6
BBMW-25D	62.0 - 72.0	0	16	6	2	6	8	8	35	32	2	4	15
GM-05S	5.1 - 20.1	2	0	14	185	55	16	113	8	36	11	6	8
GM-05I	35.05 - 48.05	0	13	0	0	0	0	0	0	0	0	0	0
GM-05D	60.95 - 75.95	0	0	0	4	0	0	0	2	0	0	0	0
GM-08S	6.35-21.35	--	--	--	--	--	--	--	--	--	--	--	--
GM-08I	29.95-44.95	--	--	--	--	--	--	--	--	--	--	--	--
GM-08D	48.25-63.25	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	25.0 - 30.0	169	49	135	182	94	170	655	762	869	432	372	535
GMP-02	18.0 - 23.0	0	0	0	3	4	0	0	0	0	0	0	0
GMP-04	15.5 - 20.5	36	295	264	15	0	0	0	0	0	0	0	0
OU2IW-01S	3.0 - 8.0	--	0	0	0	0	0	0	0	0	0	0	0
OU2MW-01WT	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-01S	20.0 - 25.0	46	182	102	42	6	15	82	69	334	107	2	0

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2007			2008				2009				2010
		May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
OU2MW-01I	35.0 - 40.0	443	408	85	8	1	13	10	2	195	186	4	2
OU2MW-01I2	50.0 - 55.0	31	0	0	0	0	0	0	0	0	3	1	0
OU2MW-01D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-02S	20.0 - 25.0	270	137	1	29	52	20	6	5	184	46	0	0
OU2MW-02I	35.0 - 40.0	260	410	229	377	412	281	359	370	335	350	154	378
OU2MW-02I2	50.0 - 55.0	0	0	1	11	0	2	1	3	2	0	0	0
OU2MW-02D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-03S	20.0 - 25.0	1,108	223	9	45	94	42	53	30	99	48	90	13
OU2MW-03I	35.0 - 40.0	0	0	0	0	0	85	1,262	366	15	0	14	158
OU2MW-03I2	50.0 - 55.0	29	0	0	0	0	0	0	5	38	10	8	2
OU2MW-03D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-04WT	3.0 - 8.0	0	0	0	0	0	0	10	0	0	0	0	0
OU2MW-04S	20.0 - 25.0	873	253	600	791	200	200	730	841	891	654	818	345
OU2MW-04I	35.0 - 40.0	244	252	158	174	25	67	120	97	198	28	22	68
OU2MW-04I2	50.0 - 55.0	5	0	0	0	0	0	0	0	189	1	0	63
OU2MW-04D	65.0 - 70.0	0	0	3	2	1	0	1	2	0	0	0	0
OU2MW-05	25.0 - 35.0	188	110	202	221	158	181	514	466	290	369	242	94
OU2MW-06S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-06	15.0 - 25.0	0	0	0	11	3	0	2	0	0	0	0	0
OU2MW-07S	3.0 - 8.0	0	0	0	1	0	0	0	0	0	0	0	0
OU2MW-07	15.0 - 25.0	3	0	1	15	3	3	0	0	2	0	0	4
OU2MW-09	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-10S	3.0 - 7.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-10I	20.0 - 25.0	3	0	278	906	14	10	143	76	33	32	36	0
OU2MW-10D	35.0 - 40.0	0	0	0	0	198	39	351	78	0	28	43	0

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2007			2008				2009				2010
		May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
OU2MW-11S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-11I	20.0 - 25.0	168	13	356	245	263	249	227	170	132	69	153	48
OU2MW-11I2	30.0 - 35.0	293	329	43	67	33	41	81	98	25	1	66	10
OU2MW-11D	40.0 - 45.0	3	0	0	0	0	0	0	8	5	20	18	26
OU2MW-12S	3.0 - 7.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-12I	20.0 - 25.0	466	143	70	70	81	78	62	107	48	139	96	77
OU2MW-12I2	30.0 - 35.0	30	2	7	23	2	0	0	53	19	7	58	0
OU2MW-12D	40.0 - 45.0	23	13	21	17	11	0	0	0	0	0	0	0
OU2MW-13S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-13I	20.0 - 25.0	29	9	0	7	4	1	7	13	3	22	0	19
OU2MW-13D	35.0 - 40.0	4	27	5	0	10	10	0	34	13	29	23	9
OU2MW-14S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-14I	20.0 - 25.0	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-14I2	45.0 - 50.0	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-15S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-15I	20.0 - 25.0	795	32	1	40	8	6	14	0	63	175	3	0
OU2MW-15I2	30.0 - 35.0	0	599	367	0	0	0	0	0	0	0	0	0
OU2MW-15D	40.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-16S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-16I	15.0 - 20.0	79	1	11	0	0	0	0	0	0	0	0	0
OU2MW-16I2	25.0 - 30.0	0	9	53	6	2	0	0	0	0	84	0	0
OU2MW-16D	35.0 - 40.0	0	0	0	149	0	0	1	0	2	0	0	0
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	--	--	0	0	0	0
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	--	--	128	0	0	0
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	--	--	0	0	0	0
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	--	0	0	0	0
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	--	0	0	0	0
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	--	0	0	0	2

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2010			2011				2012			
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-03S	3.0 - 13.0	0	0	0	0	0	0	0	0	0	0	--
BBMW-03I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	--
BBMW-03D	52.0 - 62.0	1	1	0	0	0	0	0	0	0	0	--
BBMW-07S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--
BBMW-07I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	--
BBMW-07D	55.0 - 65.0	0	0	0	0	0	0	0	0	0	0	--
BBMW-25S	4.0 - 14.0	0	0	0	0	0	0	0	0	0	0	--
BBMW-25I	25.0 - 35.0	0	0	0	0	0	0	0	0	0	0	--
BBMW-25D	62.0 - 72.0	9	0	0	0	0	23	7	1	1	0	0
GM-05S	5.1 - 20.1	7	13	2	0	0	1	0	0	0	0	--
GM-05I	35.05 - 48.05	0	0	0	0	0	0	0	0	0	0	--
GM-05D	60.95 - 75.95	0	0	0	0	0	0	0	0	0	0	--
GM-08S	6.35-21.35	--	--	--	--	--	--	--	--	--	--	--
GM-08I	29.95-44.95	--	--	--	--	--	--	--	--	--	--	--
GM-08D	48.25-63.25	--	--	--	--	--	--	--	--	--	--	--
GMP-01	25.0 - 30.0	247	93	37	68	7	12	2	0	0	0	0
GMP-02	18.0 - 23.0	0	3	0	0	0	0	0	0	0	0	--
GMP-04	15.5 - 20.5	0	0	3	0	0	0	0	0	0	0	--
OU2IW-01S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-01WT	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-01S	20.0 - 25.0	4	0	0	0	0	0	0	0	0	0	--

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2010			2011				2012			
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-01I	35.0 - 40.0	0	0	0	0	0	0	0	3	1	0	--
OU2MW-01I2	50.0 - 55.0	47	14	10	0	0	0	0	0	0	0	--
OU2MW-01D	65.0 - 70.0	0	72	0	0	0	0	0	1	0	0	--
OU2MW-02S	20.0 - 25.0	0	0	0	0	0	0	0	0	0	1	0
OU2MW-02I	35.0 - 40.0	118	136	179	137	130	97	107	61	50	56	46
OU2MW-02I2	50.0 - 55.0	0	0	0	0	0	0	0	0	2	0	0
OU2MW-02D	65.0 - 70.0	0	0	0	0	0	4	0	0	0	0	0
OU2MW-03S	20.0 - 25.0	0	7	0	0	0	0	0	0	0	0	--
OU2MW-03I	35.0 - 40.0	219	0	0	0	0	0	0	0	0	0	--
OU2MW-03I2	50.0 - 55.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-03D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-04WT	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-04S	20.0 - 25.0	70	89	51	0	0	0	0	0	0	0	0
OU2MW-04I	35.0 - 40.0	68	17	34	123	121	115	136	118	70	35	32
OU2MW-04I2	50.0 - 55.0	36	7	0	0	0	0	8	0	0	0	0
OU2MW-04D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-05	25.0 - 35.0	137	139	51	30	8	18	11	2	6	0	0
OU2MW-06S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-06	15.0 - 25.0	3	0	0	0	0	0	0	0	0	0	--
OU2MW-07S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-07	15.0 - 25.0	53	0	0	0	0	0	0	9	1	0	0
OU2MW-09	30.0 - 40.0	1	0	0	0	0	0	0	0	0	0	--
OU2MW-10S	3.0 - 7.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-10I	20.0 - 25.0	41	529	326	140	192	13	2	0	0	0	3
OU2MW-10D	35.0 - 40.0	2	65	120	4	0	0	0	0	0	0	--

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2010			2011				2012			
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-11S	3.0 - 8.0	0	0	0	--	0	0	0	2	3	0	--
OU2MW-11I	20.0 - 25.0	187	55	73	91	27	2	0	0	3	1	0
OU2MW-11I2	30.0 - 35.0	0	0	24	9	4	8	18	18	3	14	0
OU2MW-11D	40.0 - 45.0	56	39	1	14	19	92	1	5	87	50	10
OU2MW-12S	3.0 - 7.0	0	0	0	0	0	0	0	2	0	0	0
OU2MW-12I	20.0 - 25.0	13	35	121	60	5	0	0	0	0	0	0
OU2MW-12I2	30.0 - 35.0	2	37	3	26	5	0	3	0	0	5	0
OU2MW-12D	40.0 - 45.0	80	73	49	0	15	16	4	2	0	0	5
OU2MW-13S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-13I	20.0 - 25.0	8	3	0	2	1	0	0	0	0	0	--
OU2MW-13D	35.0 - 40.0	10	8	24	10	2	1	0	8	0	3	3
OU2MW-14S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-14I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	261	--
OU2MW-14I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	1	--
OU2MW-15S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-15I	20.0 - 25.0	0	73	6	12	83	0	0	0	9	279	18
OU2MW-15I2	30.0 - 35.0	0	0	184	0	0	0	0	0	0	0	--
OU2MW-15D	40.0 - 45.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-16S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-16I	15.0 - 20.0	0	0	0	0	0	26	0	0	0	0	0
OU2MW-16I2	25.0 - 30.0	0	22	0	5	0	0	4	0	0	0	0
OU2MW-16D	35.0 - 40.0	0	0	0	0	0	0	20	0	0	0	0
OU2MW-52S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-52I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-52D	35.0 - 40.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-53S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-53I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-53D	35.0 - 40.0	0	0	0	0	0	0	3	0	0	0	0

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2013				2014				2015			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-03S	3.0 - 13.0	--	0	--	--	--	0	--	--	--	--	--	--
BBMW-03I	30.0 - 40.0	--	0	--	--	--	0	--	--	--	--	--	--
BBMW-03D	52.0 - 62.0	--	0	--	--	--	0	--	--	--	--	--	--
BBMW-07S	5.0 - 15.0	--	0	--	--	--	0	--	--	--	--	--	--
BBMW-07I	30.0 - 40.0	--	0	--	--	--	0	--	--	--	--	--	--
BBMW-07D	55.0 - 65.0	--	0	--	--	--	0	--	--	--	--	--	--
BBMW-25S	4.0 - 14.0	--	0	--	--	--	0	0	--	--	--	--	--
BBMW-25I	25.0 - 35.0	--	0	--	--	--	0	--	--	--	--	--	--
BBMW-25D	62.0 - 72.0	0	0	0	0	0	0	--	--	--	0	--	--
GM-05S	5.1 - 20.1	--	0	--	--	--	0	--	--	--	--	--	--
GM-05I	35.05 - 48.05	--	0	--	--	--	0	--	--	--	--	--	--
GM-05D	60.95 - 75.95	--	0	--	--	--	0	--	--	--	--	--	--
GM-08S	6.35-21.35	--	--	--	--	--	0	--	--	--	--	--	--
GM-08I	29.95-44.95	--	--	--	--	--	0	--	--	--	--	--	--
GM-08D	48.25-63.25	--	--	--	--	--	0	--	--	--	--	--	--
GMP-01	25.0 - 30.0	0	0	0	0	--	0	--	--	--	0	--	--
GMP-02	18.0 - 23.0	--	0	--	--	--	0	--	--	--	--	--	--
GMP-04	15.5 - 20.5	--	0	--	--	--	0	--	--	--	--	--	--
OU2IW-01S	3.0 - 8.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-01WT	3.0 - 8.0	--	0	--	--	--	0	0	--	--	--	--	--
OU2MW-01S	20.0 - 25.0	--	0	--	--	--	0	--	--	--	--	--	--

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2013				2014				2015			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-01I	35.0 - 40.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-01I2	50.0 - 55.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-01D	65.0 - 70.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-02S	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	3
OU2MW-02I	35.0 - 40.0	32	11	0	0	0	0	0	0	0	0	0	0
OU2MW-02I2	50.0 - 55.0	0	0	3	6	8	1	2	2	0	0	0	0
OU2MW-02D	65.0 - 70.0	0	0	0	0	0	0	0	0	1	0	0	0
OU2MW-03S	20.0 - 25.0	--	0	--	--	--	0	0	--	--	--	--	--
OU2MW-03I	35.0 - 40.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-03I2	50.0 - 55.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-03D	65.0 - 70.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-04WT	3.0 - 8.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-04S	20.0 - 25.0	0	0	0	--	--	0	--	--	--	0	--	--
OU2MW-04I	35.0 - 40.0	22	20	5	17	14	6	9	6	4	0	0	12
OU2MW-04I2	50.0 - 55.0	0	0	2	--	--	3	--	--	--	0	--	--
OU2MW-04D	65.0 - 70.0	--	0	0	--	--	0	--	--	--	0	--	--
OU2MW-05	25.0 - 35.0	0	0	0	--	--	0	--	--	--	0	--	--
OU2MW-06S	3.0 - 8.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-07S	3.0 - 8.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-09	30.0 - 40.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-10S	3.0 - 7.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	2	0	0	0	0	0	--	--	--	1	--	--
OU2MW-10D	35.0 - 40.0	--	0	--	--	--	0	--	--	--	--	--	--

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2013				2014				2015			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-11S	3.0 - 8.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-11I	20.0 - 25.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	0	0	0	12	--	0	--	--	--	0	--	--
OU2MW-11D	40.0 - 45.0	5	15	0	0	0	0	0	0	--	0	--	--
OU2MW-12S	3.0 - 7.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-12I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-12I2	30.0 - 35.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-12D	40.0 - 45.0	3	3	0	0	13	2	11	10	30	33	1	0
OU2MW-13S	3.0 - 8.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-13I	20.0 - 25.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-13D	35.0 - 40.0	2	0	0	0	--	0	--	--	--	0	--	--
OU2MW-14S	3.0 - 8.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-14I	20.0 - 25.0	194	13	0	31	27	90	0	0	0	0	0	--
OU2MW-14I2	45.0 - 50.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-15I	20.0 - 25.0	4	0	0	0	0	0	--	--	--	0	--	--
OU2MW-15I2	30.0 - 35.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-15D	40.0 - 45.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-16S	3.0 - 8.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-16I	15.0 - 20.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-16I2	25.0 - 30.0	1	0	--	--	--	0	--	--	--	--	--	--
OU2MW-16D	35.0 - 40.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-52S	3.0 - 8.0	--	0	--	--	--	0	--	--	--	0	0	0
OU2MW-52I	20.0 - 25.0	--	0	--	--	--	0	--	--	--	0	0	0
OU2MW-52D	35.0 - 40.0	--	0	--	--	--	0	--	--	--	0	0	0
OU2MW-53S	3.0 - 8.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-53I	20.0 - 25.0	0	--	--	--	--	0	--	--	--	--	--	--
OU2MW-53D	35.0 - 40.0	0	0	--	--	--	0	--	--	--	--	--	--

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2016				2017				2018		
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
BBMW-03S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-03I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-03D	52.0 - 62.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-07S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-07I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-07D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-25S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-25I	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-25D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
GM-05S	5.1 - 20.1	--	--	--	--	--	--	--	--	--	--	--
GM-05I	35.05 - 48.05	--	--	--	--	--	--	--	--	--	--	--
GM-05D	60.95 - 75.95	--	--	--	--	--	--	--	--	--	--	--
GM-08S	6.35-21.35	--	--	--	--	--	--	--	--	--	--	--
GM-08I	29.95-44.95	--	--	--	--	--	--	--	--	--	--	--
GM-08D	48.25-63.25	--	--	--	--	--	--	--	--	--	--	--
GMP-01	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
GMP-02	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
GMP-04	15.5 - 20.5	--	--	--	--	--	--	--	--	--	--	--
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2016				2017				2018		
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
OU2MW-01I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02S	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	1
OU2MW-02I	35.0 - 40.0	0	0	0	0	0	0	0	0	0	1.5	0
OU2MW-02I2	50.0 - 55.0	0	0	0	1.6	1.5	3	2	0	0	0	0
OU2MW-02D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-03S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04I	35.0 - 40.0	2	2	3	0	0	0	--	--	--	0	--
OU2MW-04I2	50.0 - 55.0	--	0	--	--	--	--	--	--	--	--	--
OU2MW-04D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-05	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-09	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10S	3.0 - 7.0	--	0	--	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	114	--	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date										
		2016				2017				2018		
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11D	40.0 - 45.0	--	1	--	--	--	--	--	--	--	--	--
OU2MW-12S	3.0 - 7.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-12I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-12I2	30.0 - 35.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-12D	40.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I	20.0 - 25.0	--	0	--	--	--	0	--	--	--	--	--
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	3.0 - 8.0	0	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	20.0 - 25.0	0	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	35.0 - 40.0	0	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2018	2019				2020			2021			
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-03S	3.0 - 13.0	--	--	--	--	--	--	0	--	--	--	--	--
BBMW-03I	30.0 - 40.0	--	--	--	--	--	--	0	--	--	--	--	--
BBMW-03D	52.0 - 62.0	--	--	--	--	--	--	0	--	--	--	--	--
BBMW-07S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-07I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-07D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25I	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	0
GM-05S	5.1 - 20.1	--	--	--	--	--	--	--	--	--	--	--	--
GM-05I	35.05 - 48.05	--	--	--	--	--	--	--	--	--	--	--	--
GM-05D	60.95 - 75.95	--	--	--	--	--	--	--	--	--	--	--	--
GM-08S	6.35-21.35	--	--	--	--	--	--	--	--	--	--	--	--
GM-08I	29.95-44.95	--	--	--	--	--	--	--	--	--	--	--	--
GM-08D	48.25-63.25	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
GMP-02	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
GMP-04	15.5 - 20.5	--	--	--	--	--	--	--	--	--	--	--	--
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2018	2019				2020			2021			
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-01I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02S	20.0 - 25.0	0	0	0	0	0	0	0	3	0	80	82	0
OU2MW-02I	35.0 - 40.0	0	0	0	26	69	20	0	0	0	40	78	88
OU2MW-02I2	50.0 - 55.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-02D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-03S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	0	--	--	--	--	--
OU2MW-04S	20.0 - 25.0	--	--	--	--	--	--	0	--	--	--	--	--
OU2MW-04I	35.0 - 40.0	--	--	--	--	--	--	0	--	--	--	--	--
OU2MW-04I2	50.0 - 55.0	--	--	--	--	--	--	0	--	--	--	--	--
OU2MW-04D	65.0 - 70.0	--	--	--	--	--	--	0	--	--	--	--	--
OU2MW-05	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06S	3.0 - 8.0	--	--	0	0	0	0	0	--	--	0	0	--
OU2MW-06	15.0 - 25.0	--	--	0	0	0	0	0	--	--	0	0	--
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-09	30.0 - 40.0	--	--	--	--	--	--	0	--	--	--	--	--
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)											
		Sampling Date											
		2018	2019				2020			2021			
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-11S	3.0 - 8.0	--	--	0	0	0	0	0	--	--	0	0	--
OU2MW-11I	20.0 - 25.0	--	--	0	0	0	0	0	--	--	0	0	--
OU2MW-11I2	30.0 - 35.0	--	--	0	0	0	0	0	--	--	0	0	--
OU2MW-11D	40.0 - 45.0	--	--	0	0	0	0	0	--	--	0	0	--
OU2MW-12S	3.0 - 7.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-12I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-12I2	30.0 - 35.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-12D	40.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--

Notes for groundwater tables are compiled at the end of the Tables in this section

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date						Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2022				2023						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-03S	3.0 - 13.0	--	--	--	--	--	0	0	393	11	0	0
BBMW-03I	30.0 - 40.0	--	--	--	--	--	0	0	2	0	0	0
BBMW-03D	52.0 - 62.0	--	--	--	--	--	0	0	3	0	0	0
BBMW-07S	5.0 - 15.0	--	--	--	--	--	--	0	241	15	0	0
BBMW-07I	30.0 - 40.0	--	--	--	--	--	--	0	0	0	0	0
BBMW-07D	55.0 - 65.0	--	--	--	--	--	--	0	25	1	0	0
BBMW-25S	4.0 - 14.0	--	--	--	--	--	--	0	58	1	0	0
BBMW-25I	25.0 - 35.0	--	--	--	--	--	--	0	1,995	416	0	0
BBMW-25D	62.0 - 72.0	--	--	--	--	--	--	0	110	19	0	0
GM-05S	5.1 - 20.1	--	--	--	--	--	--	0	422	59	0	0
GM-05I	35.05 - 48.05	--	--	--	--	--	--	0	13	0	0	0
GM-05D	60.95 - 75.95	--	--	--	--	--	--	0	4	0	0	0
GM-08S	6.35-21.35	--	--	--	--	--	--	0	0	0	0	0
GM-08I	29.95-44.95	--	--	--	--	--	--	0	0	0	0	0
GM-08D	48.25-63.25	--	--	--	--	--	--	0	0	0	0	0
GMP-01	25.0 - 30.0	--	--	--	--	--	--	0	4,726	517	0	0
GMP-02	18.0 - 23.0	--	--	--	--	--	--	0	2,275	344	0	0
GMP-04	15.5 - 20.5	--	--	--	--	--	--	0	1,483	157	0	0
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-01S	20.0 - 25.0	--	--	--	--	--	0	0	1,243	164	0	0

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date						Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2022				2023						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
OU2MW-01I	35.0 - 40.0	--	--	--	--	--	0	0	885	128	0	0
OU2MW-01I2	50.0 - 55.0	--	--	--	--	--	0	0	195	20	0	0
OU2MW-01D	65.0 - 70.0	--	--	--	--	--	0	0	72	2	0	0
OU2MW-02S	20.0 - 25.0	0	0	28	310	54	1	0	573	33	1	310
OU2MW-02I	35.0 - 40.0	6	0	96	75	1	0	0	645	125	0	96
OU2MW-02I2	50.0 - 55.0	0	35	1	0	0	0	0	35	1	0	1
OU2MW-02D	65.0 - 70.0	0	0	0	0	0	0	0	4	0	0	0
OU2MW-03S	20.0 - 25.0	--	--	--	--	--	--	0	1,108	103	0	0
OU2MW-03I	35.0 - 40.0	--	--	--	--	--	--	0	1,262	77	0	0
OU2MW-03I2	50.0 - 55.0	--	--	--	--	--	--	0	38	3	0	0
OU2MW-03D	65.0 - 70.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	0	10	0	0	0
OU2MW-04S	20.0 - 25.0	--	--	--	--	--	0	0	3,130	403	0	0
OU2MW-04I	35.0 - 40.0	--	--	--	--	--	0	0	885	83	0	0
OU2MW-04I2	50.0 - 55.0	--	--	--	--	--	0	0	189	11	0	0
OU2MW-04D	65.0 - 70.0	--	--	--	--	--	1	0	3	0	1	1
OU2MW-05	25.0 - 35.0	--	--	--	--	--	--	0	3,159	280	0	0
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-06	15.0 - 25.0	--	--	--	--	--	--	0	1,085	32	0	0
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	0	1	0	0	0
OU2MW-07	15.0 - 25.0	--	--	--	--	--	--	0	59	8	0	0
OU2MW-09	30.0 - 40.0	--	--	--	--	--	--	0	1	0	0	0
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	0	906	93	0	0
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	0	351	39	0	0

Table 4-8. OU-2 Summary of Historical Total BTEX Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentrations (µg/L)										
		Sampling Date						Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2022				2023						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	0	3	0	0	0
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	0	356	79	0	0
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	0	329	33	0	0
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	0	92	12	0	0
OU2MW-12S	3.0 - 7.0	0	0	0	0	0	0	0	2	0	0	0
OU2MW-12I	20.0 - 25.0	0	0	0	0	0	0	0	466	28	0	0
OU2MW-12I2	30.0 - 35.0	0	0	0	0	0	0	0	58	5	0	0
OU2MW-12D	40.0 - 45.0	0	0	0	0	0	0	0	80	7	0	0
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	0	29	5	0	0
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	0	34	8	0	0
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-14I	20.0 - 25.0	--	--	--	--	--	--	0	261	19	0	0
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	0	1	0	0	0
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	0	795	54	0	0
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	0	599	48	0	0
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	0	79	5	0	0
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	0	84	7	0	0
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	0	149	7	0	0
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	0	128	6	0	0
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	0	3	0	0	0

Table 4-9. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		1992	1999		2000	2002			2003			2004	
		Sep	Sep	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May
BBMW-03S	3.0 - 13.0	--	--	0	--	0	0	--	--	--	--	--	--
BBMW-03I	30.0 - 40.0	--	--	0	--	2	0	--	--	--	--	--	--
BBMW-03D	52.0 - 62.0	--	--	0	--	0	0	--	--	--	--	--	--
BBMW-07S	5.0 - 15.0	--	--	2	--	--	6	0	710	170	62	24	0
BBMW-07I	30.0 - 40.0	--	--	0	--	--	0	0	--	--	--	--	--
BBMW-07D	55.0 - 65.0	--	--	0	--	--	0	--	--	--	--	--	--
BBMW-25S	4.0 - 14.0	--	--	--	--	--	22	0	0	0	--	0	--
BBMW-25I	25.0 - 35.0	--	--	--	--	--	7,436	10,185	4,900	4,700	--	4,860	7,761
BBMW-25D	62.0 - 72.0	--	--	--	--	--	1,553	--	280	1,550	298	135	144
GM-05S	5.1 - 20.1	649	2,453	1,181	505	88	1,286	237	858	230	--	0	0
GM-05I	35.05 - 48.05	0	4	14	0	0	0	0	0	--	--	--	--
GM-05D	60.95 - 75.95	0	0	0	0	0	0	--	--	--	--	--	--
GM-08S	6.35-21.35	--	--	--	--	--	--	--	--	--	--	--	--
GM-08I	29.95-44.95	--	--	--	--	--	--	--	--	--	--	--	--
GM-08D	48.25-63.25	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	25.0 - 30.0	--	--	--	1,590	2,270	1,336	230	880	270	1,001	421	1,281
GMP-02	18.0 - 23.0	--	--	--	2,764	4,216	3,447	6,788	3,300	4,000	7,010	3,772	6,967
GMP-04	15.5 - 20.5	--	--	--	290	1,135	287	113	0	430	44	459	206
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-9. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		1992	1999		2000	2002			2003			2004	
		Sep	Sep	Oct/Nov	Nov/Dec	Jan/Feb	Apr/May	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May
OU2MW-04I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-05	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-09	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-9. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2004		2005				2006				2007
		Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar
BBMW-03S	3.0 - 13.0	0	0	--	--	0	--	0	0	0	0	283
BBMW-03I	30.0 - 40.0	0	0	--	--	0	--	0	0	0	0	0
BBMW-03D	52.0 - 62.0	--	186	--	--	0	--	0	0	0	0	0
BBMW-07S	5.0 - 15.0	0	0	0	--	--	0	0	0	0	0	0
BBMW-07I	30.0 - 40.0	--	0	--	--	--	--	--	--	--	--	--
BBMW-07D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	873
BBMW-25S	4.0 - 14.0	0	14	0	--	0	0	0	0	0	0	0
BBMW-25I	25.0 - 35.0	7,840	3,902	4,937	--	3,621	5,472	1,560	0	37	488	11
BBMW-25D	62.0 - 72.0	101	588	223	--	390	--	308	179	160	384	0
GM-05S	5.1 - 20.1	635	0	312	0	366	0	34	0	0	0	0
GM-05I	35.05 - 48.05	51	0	--	--	--	--	0	--	--	--	0
GM-05D	60.95 - 75.95	28	--	--	--	--	--	0	--	--	--	0
GM-08S	6.35-21.35	--	--	--	--	--	--	--	--	--	--	--
GM-08I	29.95-44.95	--	--	--	--	--	--	--	--	--	--	--
GM-08D	48.25-63.25	--	--	--	--	--	--	--	--	--	--	--
GMP-01	25.0 - 30.0	266	6,514	2,595	1,241	6,419	10,183	9,385	9,261	5,555	3,936	4,019
GMP-02	18.0 - 23.0	5,213	5,460	3,008	3,459	8,837	151	0	0	10	11	0
GMP-04	15.5 - 20.5	235	1,372	601	77	369	1,720	41	22	573	232	1,380
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01S	20.0 - 25.0	--	--	--	--	6,927	--	464	457	1,230	104	321
OU2MW-01I	35.0 - 40.0	--	--	--	--	5,507	--	8,222	3,717	879	495	120
OU2MW-01I2	50.0 - 55.0	--	--	--	--	58	--	1,249	0	0	100	0
OU2MW-01D	65.0 - 70.0	--	--	--	--	0	--	0	0	0	0	0
OU2MW-02S	20.0 - 25.0	--	--	--	--	162	--	311	209	164	424	0
OU2MW-02I	35.0 - 40.0	--	--	--	--	2,541	--	3,413	3,609	5,251	3,012	1,943
OU2MW-02I2	50.0 - 55.0	--	--	--	--	22	--	11	0	0	0	0
OU2MW-02D	65.0 - 70.0	--	--	--	--	15	--	0	0	0	0	0
OU2MW-03S	20.0 - 25.0	--	--	--	--	401	--	339	353	181	379	0
OU2MW-03I	35.0 - 40.0	--	--	--	--	67	--	0	0	0	49	0
OU2MW-03I2	50.0 - 55.0	--	--	--	--	0	--	36	16	0	0	0
OU2MW-03D	65.0 - 70.0	--	--	--	--	0	--	0	0	0	0	0
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04S	20.0 - 25.0	--	--	--	--	4,034	--	12,611	7,351	10,538	2,774	6,802

Table 4-9. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2004		2005				2006				2007
		Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar
OU2MW-04I	35.0 - 40.0	--	--	--	--	5,444	--	6,438	3,795	1,107	0	0
OU2MW-04I2	50.0 - 55.0	--	--	--	--	375	--	115	101	57	78	0
OU2MW-04D	65.0 - 70.0	--	--	--	--	0	--	0	0	0	0	0
OU2MW-05	25.0 - 35.0	--	--	--	--	4,711	--	8,049	5,125	4,314	4,149	1,980
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	--	--	--	9,241	--	19	0	0	0	0
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	66	--	69	0	0	0	0
OU2MW-09	30.0 - 40.0	--	--	--	--	0	--	0	0	0	0	0
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-12D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-9. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2007			2008				2009				2010
		May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
BBMW-03S	3.0 - 13.0	0	0	0	0	0	1	0	0	0	0	0	0
BBMW-03I	30.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-03D	52.0 - 62.0	0	0	0	7	0	0	0	0	0	0	0	0
BBMW-07S	5.0 - 15.0	0	3	0	0	0	0	0	0	0	0	0	0
BBMW-07I	30.0 - 40.0	0	--	0	0	0	0	0	0	0	0	0	0
BBMW-07D	55.0 - 65.0	0	--	0	2	0	0	0	0	0	0	0	0
BBMW-25S	4.0 - 14.0	0	10	0	0	0	0	0	0	0	0	0	0
BBMW-25I	25.0 - 35.0	102	457	2	181	48	86	478	741	1,219	105	11	3
BBMW-25D	62.0 - 72.0	0	3	1	0	0	59	0	0	0	0	0	0
GM-05S	5.1 - 20.1	--	0	13	25	30	7	35	5	19	9	19	2
GM-05I	35.05 - 48.05	0	7	0	0	0	0	0	0	0	0	0	0
GM-05D	60.95 - 75.95	0	0	0	0	0	0	0	0	0	0	0	0
GM-08S	6.35-21.35	--	--	--	--	--	--	--	--	--	--	--	--
GM-08I	29.95-44.95	--	--	--	--	--	--	--	--	--	--	--	--
GM-08D	48.25-63.25	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	25.0 - 30.0	--	159	4,428	3,967	2,020	778	275	719	1,049	651	175	1,916
GMP-02	18.0 - 23.0	0	0	0	0	0	0	0	0	0	0	0	0
GMP-04	15.5 - 20.5	52	1,523	1,467	1	0	0	0	0	0	0	0	0
OU2IW-01S	3.0 - 8.0	--	0	0	48	0	0	0	0	0	0	0	0
OU2MW-01WT	3.0 - 8.0	70	0	0	0	0	0	0	0	0	0	0	0
OU2MW-01S	20.0 - 25.0	67	2,023	2,000	48	0	0	0	0	1,487	1,953	0	0
OU2MW-01I	35.0 - 40.0	442	90	2,222	15	0	25	4	0	702	109	0	0
OU2MW-01I2	50.0 - 55.0	488	7	4	0	0	0	0	0	0	0	0	0
OU2MW-01D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-02S	20.0 - 25.0	154	155	27	57	96	46	8	33	146	44	0	0
OU2MW-02I	35.0 - 40.0	3,567	1,835	2,947	3,129	43	2,981	151	2,129	1,993	2,385	748	2,515
OU2MW-02I2	50.0 - 55.0	16	0	11	30	1	12	0	6	0	0	0	0
OU2MW-02D	65.0 - 70.0	0	17	0	0	0	0	0	0	0	4	0	0
OU2MW-03S	20.0 - 25.0	317	201	49	87	61	79	85	80	157	118	142	71
OU2MW-03I	35.0 - 40.0	0	0	0	0	7	0	95	146	0	0	6	56
OU2MW-03I2	50.0 - 55.0	144	4	1	0	0	0	0	0	0	0	1	0
OU2MW-03D	65.0 - 70.0	0	0	6	3	0	0	0	0	0	0	0	0
OU2MW-04WT	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-04S	20.0 - 25.0	8,445	3,794	4,145	2,666	2,936	3,901	334	641	3,565	3,770	3,393	4,529

Table 4-9. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2007			2008				2009				2010
		May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
OU2MW-04I	35.0 - 40.0	332	3,260	547	4,051	0	36	0	98	2	0	10	241
OU2MW-04I2	50.0 - 55.0	19	16	2	0	23	0	0	0	1,340	0	4	536
OU2MW-04D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-05	25.0 - 35.0	2,164	247	3,412	491	516	50	456	353	376	735	19	288
OU2MW-06S	3.0 - 8.0	0	10	0	0	0	6	0	0	0	0	0	0
OU2MW-06	15.0 - 25.0	0	0	3	6	0	0	0	0	0	0	0	0
OU2MW-07S	3.0 - 8.0	0	0	7	0	0	0	0	0	0	0	0	0
OU2MW-07	15.0 - 25.0	0	0	37	0	0	0	0	0	0	0	0	0
OU2MW-09	30.0 - 40.0	0	0	0	0	0	0	0	11	0	0	0	0
OU2MW-10S	3.0 - 7.0	0	0	0	0	5	0	0	0	0	0	0	0
OU2MW-10I	20.0 - 25.0	4	0	297	201	1	0	2	29	22	3	54	12
OU2MW-10D	35.0 - 40.0	0	0	0	0	413	32	727	0	1	49	5	0
OU2MW-11S	3.0 - 8.0	0	0	0	2	0	0	4	0	0	0	0	0
OU2MW-11I	20.0 - 25.0	1,077	112	3,627	865	1,977	1,030	663	1,323	428	46	1,141	220
OU2MW-11I2	30.0 - 35.0	426	2,412	52	0	0	275	264	1,011	131	9	193	6
OU2MW-11D	40.0 - 45.0	8	7	5	0	0	0	0	9	0	54	69	40
OU2MW-12S	3.0 - 7.0	1	0	0	0	0	0	0	0	0	0	0	0
OU2MW-12I	20.0 - 25.0	1,646	888	147	268	137	122	79	513	53	123	7	851
OU2MW-12I2	30.0 - 35.0	224	3	7	30	5	0	0	720	39	15	3	2
OU2MW-12D	40.0 - 45.0	108	79	39	44	35	0	0	2	0	0	0	0
OU2MW-13S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-13I	20.0 - 25.0	33	12	10	1	7	1	15	8	6	7	0	15
OU2MW-13D	35.0 - 40.0	13	15	2	1	4	2	0	21	18	31	24	21
OU2MW-14S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-14I	20.0 - 25.0	--	--	--	2	0	0	0	0	0	0	0	0
OU2MW-14I2	45.0 - 50.0	--	--	--	0	0	0	0	0	0	0	0	0
OU2MW-15S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-15I	20.0 - 25.0	261	86	8	34	0	0	0	0	1	219	24	0
OU2MW-15I2	30.0 - 35.0	0	320	76	0	0	0	0	0	0	0	0	0
OU2MW-15D	40.0 - 45.0	0	0	0	0	0	0	2	0	0	0	0	0
OU2MW-16S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-16I	15.0 - 20.0	22	5	0	0	0	0	0	0	0	0	0	0
OU2MW-16I2	25.0 - 30.0	4	12	16	1	0	0	0	0	0	0	0	0
OU2MW-16D	35.0 - 40.0	0	0	0	102	0	0	0	0	0	0	0	0
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	--	--	0	0	0	0
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	--	--	101	0	0	25
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	--	--	0	0	0	0
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	--	0	0	0	0
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	--	0	0	0	0
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	--	0	0	0	0

Table 4-9. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2010			2011				2012			
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-03S	3.0 - 13.0	0	0	0	0	0	0	0	0	0	0	--
BBMW-03I	30.0 - 40.0	0	0	0	0	0	0	2	0	0	0	--
BBMW-03D	52.0 - 62.0	25	2	0	0	0	0	0	0	0	0	--
BBMW-07S	5.0 - 15.0	0	0	0	0	0	0	0	0	5	0	--
BBMW-07I	30.0 - 40.0	0	0	0	0	0	0	0	0	1	0	--
BBMW-07D	55.0 - 65.0	0	0	0	0	0	0	0	0	2	0	--
BBMW-25S	4.0 - 14.0	0	0	0	0	0	0	0	0	1	0	--
BBMW-25I	25.0 - 35.0	0	0	0	0	0	0	0	0	0	0	--
BBMW-25D	62.0 - 72.0	8	0	0	0	0	7	54	20	31	0	10
GM-05S	5.1 - 20.1	0	25	1	0	0	0	0	0	0	0	--
GM-05I	35.05 - 48.05	0	0	0	0	0	0	0	0	0	0	--
GM-05D	60.95 - 75.95	0	0	0	0	0	0	0	0	0	0	--
GM-08S	6.35-21.35	--	--	--	--	--	--	--	--	--	--	--
GM-08I	29.95-44.95	--	--	--	--	--	--	--	--	--	--	--
GM-08D	48.25-63.25	--	--	--	--	--	--	--	--	--	--	--
GMP-01	25.0 - 30.0	1,228	921	276	720	65	70	15	16	5	12	3
GMP-02	18.0 - 23.0	0	0	0	0	0	0	0	0	0	0	--
GMP-04	15.5 - 20.5	0	0	0	0	0	0	0	0	0	0	--
OU2IW-01S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-01WT	3.0 - 8.0	0	0	0	0	0	2	0	0	0	0	--
OU2MW-01S	20.0 - 25.0	0	0	0	0	0	0	0	0	3	0	--
OU2MW-01I	35.0 - 40.0	0	0	0	0	0	0	0	10	0	0	--
OU2MW-01I2	50.0 - 55.0	364	0	0	0	0	0	0	0	2	2	--
OU2MW-01D	65.0 - 70.0	0	135	0	0	0	1	0	0	0	0	--
OU2MW-02S	20.0 - 25.0	6	0	0	0	1	0	0	0	48	57	0
OU2MW-02I	35.0 - 40.0	1,278	1,232	1,329	733	76	1,764	1,097	1,161	698	926	561
OU2MW-02I2	50.0 - 55.0	0	0	0	0	0	0	0	0	8	2	3
OU2MW-02D	65.0 - 70.0	0	0	0	0	0	15	0	0	0	0	0
OU2MW-03S	20.0 - 25.0	20	16	1	3	5	0	3	0	1	0	--
OU2MW-03I	35.0 - 40.0	61	0	0	0	0	0	0	0	3	0	--
OU2MW-03I2	50.0 - 55.0	0	0	0	0	0	0	0	0	1	0	--
OU2MW-03D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-04WT	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-04S	20.0 - 25.0	352	152	170	40	51	17	22	34	10	8	2

Table 4-9. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2010			2011				2012			
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-04I	35.0 - 40.0	0	0	252	32	1,789	0	2,047	2,666	1,294	506	152
OU2MW-04I2	50.0 - 55.0	14	0	0	0	0	0	0	6	0	0	0
OU2MW-04D	65.0 - 70.0	0	0	0	0	0	0	3	0	0	0	--
OU2MW-05	25.0 - 35.0	484	335	957	86	33	75	92	30	34	7	2
OU2MW-06S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-06	15.0 - 25.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-07S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-07	15.0 - 25.0	0	0	0	0	0	0	0	68	3	0	0
OU2MW-09	30.0 - 40.0	0	0	0	0	0	0	0	0	1	0	--
OU2MW-10S	3.0 - 7.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-10I	20.0 - 25.0	37	149	597	76	167	57	21	0	12	0	0
OU2MW-10D	35.0 - 40.0	0	23	22	0	0	0	0	0	0	0	--
OU2MW-11S	3.0 - 8.0	0	0	0	--	0	0	0	0	1	0	--
OU2MW-11I	20.0 - 25.0	26	125	565	38	16	19	0	0	1	0	0
OU2MW-11I2	30.0 - 35.0	0	1	27	11	2	55	126	89	18	83	0
OU2MW-11D	40.0 - 45.0	77	63	0	9	35	842	5	3	1,018	136	45
OU2MW-12S	3.0 - 7.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-12I	20.0 - 25.0	8	11	159	44	0	0	0	0	0	0	0
OU2MW-12I2	30.0 - 35.0	2	58	9	18	7	0	13	3	10	30	1
OU2MW-12D	40.0 - 45.0	992	197	141	1	80	112	6	2	0	0	9
OU2MW-13S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-13I	20.0 - 25.0	36	41	0	7	18	7	0	0	0	0	--
OU2MW-13D	35.0 - 40.0	15	15	17	14	7	9	0	78	24	73	24
OU2MW-14S	3.0 - 8.0	0	0	0	0	0	0	0	0	2	0	--
OU2MW-14I	20.0 - 25.0	0	0	0	0	0	0	0	0	2	14	--
OU2MW-14I2	45.0 - 50.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-15S	3.0 - 8.0	0	0	0	0	0	0	0	0	1	0	--
OU2MW-15I	20.0 - 25.0	0	33	1	2	4	0	0	0	0	32	53
OU2MW-15I2	30.0 - 35.0	0	0	77	0	0	0	0	0	0	0	--
OU2MW-15D	40.0 - 45.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-16S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-16I	15.0 - 20.0	0	0	0	0	0	17	0	0	0	0	0
OU2MW-16I2	25.0 - 30.0	0	26	0	0	0	0	0	0	1	0	0
OU2MW-16D	35.0 - 40.0	0	0	0	0	0	0	40	0	1	0	0
OU2MW-52S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-52I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-52D	35.0 - 40.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-53S	3.0 - 8.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-53I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	--
OU2MW-53D	35.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0

Table 4-9. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2013				2014				2015			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-03S	3.0 - 13.0	--	0	--	--	--	0	--	--	--	--	--	--
BBMW-03I	30.0 - 40.0	--	0	--	--	--	0	--	--	--	--	--	--
BBMW-03D	52.0 - 62.0	--	0	--	--	--	9	--	--	--	--	--	--
BBMW-07S	5.0 - 15.0	--	0	--	--	--	0	--	--	--	--	--	--
BBMW-07I	30.0 - 40.0	--	0	--	--	--	0	--	--	--	--	--	--
BBMW-07D	55.0 - 65.0	--	0	--	--	--	0	--	--	--	--	--	--
BBMW-25S	4.0 - 14.0	--	0	--	--	--	0	0	--	--	--	--	--
BBMW-25I	25.0 - 35.0	--	0	--	--	--	0	--	--	--	--	--	--
BBMW-25D	62.0 - 72.0	19	1	3	0	0	0	--	--	--	0	--	--
GM-05S	5.1 - 20.1	--	0	--	--	--	0	--	--	--	--	--	--
GM-05I	35.05 - 48.05	--	0	--	--	--	0	--	--	--	--	--	--
GM-05D	60.95 - 75.95	--	0	--	--	--	0	--	--	--	--	--	--
GM-08S	6.35-21.35	--	--	--	--	--	0	--	--	--	--	--	--
GM-08I	29.95-44.95	--	--	--	--	--	0	--	--	--	--	--	--
GM-08D	48.25-63.25	--	--	--	--	--	0	--	--	--	--	--	--
GMP-01	25.0 - 30.0	0	2	0	0	--	0	--	--	--	0	--	--
GMP-02	18.0 - 23.0	--	0	--	--	--	0	--	--	--	--	--	--
GMP-04	15.5 - 20.5	--	0	--	--	--	0	--	--	--	--	--	--
OU2IW-01S	3.0 - 8.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-01WT	3.0 - 8.0	--	0	--	--	--	0	0	--	--	--	--	--
OU2MW-01S	20.0 - 25.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-01I	35.0 - 40.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-01I2	50.0 - 55.0	--	11	--	--	--	0	--	--	--	--	--	--
OU2MW-01D	65.0 - 70.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-02S	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-02I	35.0 - 40.0	119	38	7	4	0	0	0	0	0	0	0	0
OU2MW-02I2	50.0 - 55.0	2	0	23	32	17	8	15	9	4	3	5	6
OU2MW-02D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-03S	20.0 - 25.0	--	0	--	--	--	0	0	--	--	--	--	--
OU2MW-03I	35.0 - 40.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-03I2	50.0 - 55.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-03D	65.0 - 70.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-04WT	3.0 - 8.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-04S	20.0 - 25.0	1	0	0	--	--	0	--	--	--	0	--	--

Table 4-9. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2013				2014				2015			
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-04I	35.0 - 40.0	96	102	53	49	13	7	20	16	10	7	9	16
OU2MW-04I2	50.0 - 55.0	3	0	3	--	--	2	--	--	--	4	--	--
OU2MW-04D	65.0 - 70.0	--	0	0	--	--	0	--	--	--	0	--	--
OU2MW-05	25.0 - 35.0	0	0	0	--	--	0	--	--	--	0	--	--
OU2MW-06S	3.0 - 8.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-07S	3.0 - 8.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-09	30.0 - 40.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-10S	3.0 - 7.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	10	10	2	2	1	0	--	--	--	7	--	--
OU2MW-10D	35.0 - 40.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-11S	3.0 - 8.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-11I	20.0 - 25.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	0	0	0	49	--	1	--	--	--	0	--	--
OU2MW-11D	40.0 - 45.0	26	80	3	2	0	0	0	0	--	1	--	--
OU2MW-12S	3.0 - 7.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-12I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-12I2	30.0 - 35.0	7	2	2	0	0	0	0	0	0	0	0	0
OU2MW-12D	40.0 - 45.0	6	14	2	0	2	0	12	23	17	30	5	1
OU2MW-13S	3.0 - 8.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-13I	20.0 - 25.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-13D	35.0 - 40.0	7	0	0	2	--	0	--	--	--	0	--	--
OU2MW-14S	3.0 - 8.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-14I	20.0 - 25.0	29	16	5	6	6	37	0	0	0	0	0	--
OU2MW-14I2	45.0 - 50.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-15I	20.0 - 25.0	21	3	2	0	0	0	--	--	--	0	--	--
OU2MW-15I2	30.0 - 35.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-15D	40.0 - 45.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-16S	3.0 - 8.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-16I	15.0 - 20.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-16I2	25.0 - 30.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-16D	35.0 - 40.0	0	0	--	--	--	0	--	--	--	--	--	--
OU2MW-52S	3.0 - 8.0	--	0	--	--	--	0	--	--	--	0	0	0
OU2MW-52I	20.0 - 25.0	--	0	--	--	--	0	--	--	--	0	0	0
OU2MW-52D	35.0 - 40.0	--	0	--	--	--	0	--	--	--	0	0	0
OU2MW-53S	3.0 - 8.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-53I	20.0 - 25.0	--	0	--	--	--	0	--	--	--	--	--	--
OU2MW-53D	35.0 - 40.0	0	0	--	--	--	0	--	--	--	--	--	--

Table 4-9. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2016				2017				2018		
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
BBMW-03S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-03I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-03D	52.0 - 62.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-07S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-07I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-07D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-25S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-25I	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
BBMW-25D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
GM-05S	5.1 - 20.1	--	--	--	--	--	--	--	--	--	--	--
GM-05I	35.05 - 48.05	--	--	--	--	--	--	--	--	--	--	--
GM-05D	60.95 - 75.95	--	--	--	--	--	--	--	--	--	--	--
GM-08S	6.35-21.35	--	--	--	--	--	--	--	--	--	--	--
GM-08I	29.95-44.95	--	--	--	--	--	--	--	--	--	--	--
GM-08D	48.25-63.25	--	--	--	--	--	--	--	--	--	--	--
GMP-01	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
GMP-02	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--
GMP-04	15.5 - 20.5	--	--	--	--	--	--	--	--	--	--	--
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02S	20.0 - 25.0	0	0	0	0	0	0	0	0	1	2.2	0
OU2MW-02I	35.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-02I2	50.0 - 55.0	6	6	7	10.8	18	17	24	9	11	5.7	3
OU2MW-02D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-03S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-9. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date										
		2016				2017				2018		
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
OU2MW-04I	35.0 - 40.0	21	15	11	0	0	0	--	--	--	0	--
OU2MW-04I2	50.0 - 55.0	--	6	--	--	--	--	--	--	--	--	--
OU2MW-04D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-05	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-09	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10S	3.0 - 7.0	--	0	--	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	17	--	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11D	40.0 - 45.0	--	0	--	--	--	--	--	--	--	--	--
OU2MW-12S	3.0 - 7.0	0	0	1	0	0	0	0	0	0	0	0
OU2MW-12I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-12I2	30.0 - 35.0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-12D	40.0 - 45.0	5	3	0	0	0	0	2	0	0	0	0
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I	20.0 - 25.0	--	0	--	--	--	0	--	--	--	--	--
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	3.0 - 8.0	0	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	20.0 - 25.0	0	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	35.0 - 40.0	0	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-9. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2018	2019				2020			2021			
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-03S	3.0 - 13.0	--	--	--	--	--	--	0	--	--	--	--	--
BBMW-03I	30.0 - 40.0	--	--	--	--	--	--	0	--	--	--	--	--
BBMW-03D	52.0 - 62.0	--	--	--	--	--	--	0	--	--	--	--	--
BBMW-07S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-07I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-07D	55.0 - 65.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25S	4.0 - 14.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25I	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-25D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	0
GM-05S	5.1 - 20.1	--	--	--	--	--	--	--	--	--	--	--	--
GM-05I	35.05 - 48.05	--	--	--	--	--	--	--	--	--	--	--	--
GM-05D	60.95 - 75.95	--	--	--	--	--	--	--	--	--	--	--	--
GM-08S	6.35-21.35	--	--	--	--	--	--	--	--	--	--	--	--
GM-08I	29.95-44.95	--	--	--	--	--	--	--	--	--	--	--	--
GM-08D	48.25-63.25	--	--	--	--	--	--	--	--	--	--	--	--
GMP-01	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
GMP-02	18.0 - 23.0	--	--	--	--	--	--	--	--	--	--	--	--
GMP-04	15.5 - 20.5	--	--	--	--	--	--	--	--	--	--	--	--
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-01D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-02S	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-02I	35.0 - 40.0	0	1	0	0	0	1	0	0	0	1	0	0
OU2MW-02I2	50.0 - 55.0	3	2	0	0	0	0	0	0	0	0	0	0
OU2MW-02D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-03S	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03I	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03I2	50.0 - 55.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-03D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	0	--	--	--	--	--
OU2MW-04S	20.0 - 25.0	--	--	--	--	--	--	0	--	--	--	--	--

Table 4-9. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)											
		Sampling Date											
		2018	2019				2020			2021			
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU2MW-04I	35.0 - 40.0	--	--	--	--	--	--	0	--	--	--	--	--
OU2MW-04I2	50.0 - 55.0	--	--	--	--	--	--	0	--	--	--	--	--
OU2MW-04D	65.0 - 70.0	--	--	--	--	--	--	0	--	--	--	--	--
OU2MW-05	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-06S	3.0 - 8.0	--	--	0	0	0	0	0	--	--	0	0	--
OU2MW-06	15.0 - 25.0	--	--	0	0	0	0	0	--	--	0	0	--
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-07	15.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-09	30.0 - 40.0	--	--	--	--	--	--	0	--	--	--	--	--
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-11S	3.0 - 8.0	--	--	0	0	0	0	0	--	--	0	0	--
OU2MW-11I	20.0 - 25.0	--	--	0	0	0	0	0	--	--	0	0	--
OU2MW-11I2	30.0 - 35.0	--	--	0	0	0	0	0	--	--	0	0	--
OU2MW-11D	40.0 - 45.0	--	--	1	0	0	0	0	--	--	0	0	--
OU2MW-12S	3.0 - 7.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-12I	20.0 - 25.0	1	0	0	0	0	0	0	0	0	0	0	0
OU2MW-12I2	30.0 - 35.0	0	0	0	0	0	0	0	0	0	0	0	0
OU2MW-12D	40.0 - 45.0	1	0	0	0	0	0	0	0	0	0	0	0
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-9. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date						Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2022				2023						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-03S	3.0 - 13.0	--	--	--	--	--	0	0	283	8	0	0
BBMW-03I	30.0 - 40.0	--	--	--	--	--	0	0	2	0	0	0
BBMW-03D	52.0 - 62.0	--	--	--	--	--	0	0	186	7	0	0
BBMW-07S	5.0 - 15.0	--	--	--	--	--	--	0	710	24	0	0
BBMW-07I	30.0 - 40.0	--	--	--	--	--	--	0	1	0	0	0
BBMW-07D	55.0 - 65.0	--	--	--	--	--	--	0	873	34	0	0
BBMW-25S	4.0 - 14.0	--	--	--	--	--	--	0	22	1	0	0
BBMW-25I	25.0 - 35.0	--	--	--	--	--	--	0	10,185	1,779	0	0
BBMW-25D	62.0 - 72.0	--	--	--	--	--	--	0	1,553	142	0	0
GM-05S	5.1 - 20.1	--	--	--	--	--	--	0	2,453	190	0	0
GM-05I	35.05 - 48.05	--	--	--	--	--	--	0	51	2	0	0
GM-05D	60.95 - 75.95	--	--	--	--	--	--	0	28	1	0	0
GM-08S	6.35-21.35	--	--	--	--	--	--	0	0	0	0	0
GM-08I	29.95-44.95	--	--	--	--	--	--	0	0	0	0	0
GM-08D	48.25-63.25	--	--	--	--	--	--	0	0	0	0	0
GMP-01	25.0 - 30.0	--	--	--	--	--	--	0	10,183	1,836	0	0
GMP-02	18.0 - 23.0	--	--	--	--	--	--	0	8,837	1,555	0	0
GMP-04	15.5 - 20.5	--	--	--	--	--	--	0	1,720	287	0	0
OU2IW-01S	3.0 - 8.0	--	--	--	--	--	--	0	48	2	0	0
OU2MW-01WT	3.0 - 8.0	--	--	--	--	--	0	0	70	3	0	0
OU2MW-01S	20.0 - 25.0	--	--	--	--	--	0	0	6,927	569	0	0
OU2MW-01I	35.0 - 40.0	--	--	--	--	--	0	0	8,222	752	0	0
OU2MW-01I2	50.0 - 55.0	--	--	--	--	--	0	0	1,249	76	0	0
OU2MW-01D	65.0 - 70.0	--	--	--	--	--	0	0	135	5	0	0
OU2MW-02S	20.0 - 25.0	0	0	0	0	0	0	0	424	33	0	0
OU2MW-02I	35.0 - 40.0	0	0	0	0	0	0	0	5,251	837	0	0
OU2MW-02I2	50.0 - 55.0	0	0	0	0	0	0	0	32	6	0	0
OU2MW-02D	65.0 - 70.0	0	0	0	0	0	0	0	17	1	0	0
OU2MW-03S	20.0 - 25.0	--	--	--	--	--	--	0	401	102	0	0
OU2MW-03I	35.0 - 40.0	--	--	--	--	--	--	0	146	16	0	0
OU2MW-03I2	50.0 - 55.0	--	--	--	--	--	--	0	144	7	0	0
OU2MW-03D	65.0 - 70.0	--	--	--	--	--	--	0	6	0	0	0
OU2MW-04WT	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-04S	20.0 - 25.0	--	--	--	--	--	0	0	12,611	2,488	0	0

Table 4-9. OU-2 Summary of Historical Total PAH Groundwater Analytical Results
Downgradient
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)										
		Sampling Date						Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2022				2023						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
OU2MW-04I	35.0 - 40.0	--	--	--	--	--	0	0	6,438	705	0	0
OU2MW-04I2	50.0 - 55.0	--	--	--	--	--	0	0	1,340	75	0	0
OU2MW-04D	65.0 - 70.0	--	--	--	--	--	0	0	3	0	0	0
OU2MW-05	25.0 - 35.0	--	--	--	--	--	--	0	8,049	1,164	0	0
OU2MW-06S	3.0 - 8.0	--	--	--	--	--	--	0	10	1	0	0
OU2MW-06	15.0 - 25.0	--	--	--	--	--	--	0	9,241	251	0	0
OU2MW-07S	3.0 - 8.0	--	--	--	--	--	--	0	7	0	0	0
OU2MW-07	15.0 - 25.0	--	--	--	--	--	--	0	69	8	0	0
OU2MW-09	30.0 - 40.0	--	--	--	--	--	--	0	11	0	0	0
OU2MW-10S	3.0 - 7.0	--	--	--	--	--	--	0	5	0	0	0
OU2MW-10I	20.0 - 25.0	--	--	--	--	--	--	0	597	58	0	0
OU2MW-10D	35.0 - 40.0	--	--	--	--	--	--	0	727	53	0	0
OU2MW-11S	3.0 - 8.0	--	--	--	--	--	--	0	4	0	0	0
OU2MW-11I	20.0 - 25.0	--	--	--	--	--	--	0	3,627	416	0	0
OU2MW-11I2	30.0 - 35.0	--	--	--	--	--	--	0	2,412	146	0	0
OU2MW-11D	40.0 - 45.0	--	--	--	--	--	--	0	1,018	63	0	0
OU2MW-12S	3.0 - 7.0	0	0	0	0	0	0	0	1	0	0	0
OU2MW-12I	20.0 - 25.0	0	0	0	0	0	0	0	1,646	84	0	0
OU2MW-12I2	30.0 - 35.0	0	0	0	1.1	0	0	0	720	20	0	1
OU2MW-12D	40.0 - 45.0	0	0	0	0	0	0	0	992	33	0	0
OU2MW-13S	3.0 - 8.0	--	--	--	--	--	0	0	0	0	0	0
OU2MW-13I	20.0 - 25.0	--	--	--	--	--	--	0	41	9	0	0
OU2MW-13D	35.0 - 40.0	--	--	--	--	--	--	0	78	15	0	0
OU2MW-14S	3.0 - 8.0	--	--	--	--	--	--	0	2	0	0	0
OU2MW-14I	20.0 - 25.0	--	--	--	--	--	--	0	37	4	0	0
OU2MW-14I2	45.0 - 50.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-15S	3.0 - 8.0	--	--	--	--	--	--	0	1	0	0	0
OU2MW-15I	20.0 - 25.0	--	--	--	--	--	--	0	261	26	0	0
OU2MW-15I2	30.0 - 35.0	--	--	--	--	--	--	0	320	20	0	0
OU2MW-15D	40.0 - 45.0	--	--	--	--	--	--	0	2	0	0	0
OU2MW-16S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-16I	15.0 - 20.0	--	--	--	--	--	--	0	22	2	0	0
OU2MW-16I2	25.0 - 30.0	--	--	--	--	--	--	0	26	2	0	0
OU2MW-16D	35.0 - 40.0	--	--	--	--	--	--	0	102	6	0	0
OU2MW-52S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-52I	20.0 - 25.0	--	--	--	--	--	--	0	101	6	0	0
OU2MW-52D	35.0 - 40.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-53S	3.0 - 8.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-53I	20.0 - 25.0	--	--	--	--	--	--	0	0	0	0	0
OU2MW-53D	35.0 - 40.0	--	--	--	--	--	--	0	0	0	0	0

Table 4-10. OU-2 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Aquifer Zone	**Shallow**									
			Operable Unit	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**
			Sample Name	**BBMW-03S**	**BBMW-23S**	**BBMW-23S**	**BBMW-23S**	**BBMW-23S**	**OU2MW-01WT**	**OU2MW-08WT**	**OU2MW-12S**	**OU2MW-12S**	**OU2MW-12S**	**OU2MW-12S**
			Start Depth	**3**	**5**	**5**	**5**	**5**	**3**	**3**	**3**	**3**	**3**	**3**
			End Depth	**13**	**15**	**15**	**15**	**15**	**8**	**8**	**7**	**7**	**7**	**7**
			Depth Unit	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**
			Sample Date	**6/21/2023**	**7/13/2022**	**12/19/2022**	**1/26/2023**	**6/29/2023**	**6/19/2023**	**6/29/2023**	**8/1/2022**	**12/16/2022**	**1/16/2023**	**6/15/2023**
			Parent Sample Code											
Analyte	**Units**	**CAS no.**	**NYS AWQS**											
BTEX	µg/L													
Benzene		71-43-2	1	1 U	**0.25 J**	**0.27 J**	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	**0.87 J**	**0.96 J**	**0.68 J**	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	**83**	**90**	**77**	**530**	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	1 U	**63**	**59**	**51**	**327**	2 U	1 U	2 U	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	ND	**147**	**150**	**129**	**857**	ND	ND	ND	ND	ND	ND
PAH17	µg/L													
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	2 U	**1.8 J**	**2.8**	**1.3 J**	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	ND	ND	**1.8**	**2.8**	**1.3**	ND	ND	ND	ND	ND	ND
Other														
Sulfate	µg/L	14808-79-8	250,000								**12,000**	**12,100**	**12,500**	**12,200**

Table 4-10. OU-2 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Aquifer Zone	Shallow									
			Operable Unit	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2
			Sample Name	OU2MW-27S	OU2MW-27S	OU2MW-28S	OU2MW-28S	OU2MW-30S	OU2MW-30S	OU2MW-30S	OU2MW-30S	OU2MW-39S	OU2MW-39S
			Start Depth	5	5	5	5	5	5	5	5	5	5
			End Depth	15	15	15	15	15	15	15	15	15	15
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Date	8/23/2022	6/29/2023	8/9/2022	6/28/2023	8/11/2022	12/30/2022	2/20/2023	6/28/2023	7/18/2022	11/11/2022
			Parent Sample Code										
Analyte	**Units**	**CAS no.**	**NYS AWQS**										
BTEX	µg/L												
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	2 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAH17	µg/L												
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other													
Sulfate	µg/L	14808-79-8	250,000										

Table 4-10. OU-2 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Aquifer Zone	Shallow										
			Operable Unit	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2
			Sample Name	OU2MW-39S	OU2MW-39S	DUP-05	OU2MW-40S	OU2MW-40S	OU2MW-41S	OU2MW-41S	OU2MW-47S	OU2MW-47S	OU2MW-47S	OU2MW-47S
			Start Depth	5	5	5	5	5	5	5	5	5	5	5
			End Depth	15	15	15	15	15	15	15	15	15	15	15
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Date	1/23/2023	6/12/2023	6/12/2023	8/11/2022	6/28/2023	8/23/2022	6/28/2023	8/22/2022	12/1/2022	2/6/2023	6/2/2023
			Parent Sample Code			OU2MW-39S								
Analyte	**Units**	**CAS no.**	**NYS AWQS**											
BTEX	µg/L													
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAH17	µg/L													
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Total PAH (17)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other														
Sulfate	µg/L	14808-79-8	250,000											

Table 4-10. OU-2 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Aquifer Zone	Intermediate									
			Operable Unit	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2
			Sample Name	BBMW-03I	OU2MW-01S	OU2MW-01I	OU2MW-01I	OU2MW-01I2	OU2MW-02S	OU2MW-02S	OU2MW-02S	OU2MW-02S	OU2MW-02I
			Start Depth	30	20	30	30	50	20	20	20	20	35
			End Depth	40	25	35	35	55	25	25	25	25	40
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Date	6/21/2023	6/20/2023	6/21/2023	6/21/2023	6/21/2023	8/22/2022	12/5/2022	2/14/2023	6/19/2023	8/22/2022
			Parent Sample Code				OU2MW-01I						
Analyte	**Units**	**CAS no.**	**NYS AWQS**										
BTEX	µg/L												
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	**28**	**310**	**54**	**0.64 J**	**96**
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	ND	ND	ND	ND	ND	**28**	**310**	**54**	**0.64**	**96**
PAH17	µg/L												
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other													
Sulfate	µg/L	14808-79-8	250,000										**37,100**

Table 4-10. OU-2 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Aquifer Zone	**Intermediate**									
			Operable Unit	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**
			Sample Name	**OU2MW-02I**	**OU2MW-02I**	**OU2MW-02I**	**OU2MW-04S**	**OU2MW-04I**	**OU2MW-08S**	**OU2MW-08I**	**OU2MW-12I**	**OU2MW-12I**	**OU2MW-12I**	**OU2MW-12I**
			Start Depth	**35**	**35**	**35**	**20**	**35**	**20**	**35**	**20**	**20**	**20**	**20**
			End Depth	**40**	**40**	**40**	**25**	**40**	**25**	**40**	**25**	**25**	**25**	**25**
			Depth Unit	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**
			Sample Date	**12/5/2022**	**2/14/2023**	**6/19/2023**	**6/20/2023**	**6/20/2023**	**6/29/2023**	**6/29/2023**	**8/1/2022**	**12/16/2022**	**1/16/2023**	**6/15/2023**
			Parent Sample Code											
Analyte	**Units**	**CAS no.**	**NYS AWQS**											
BTEX	µg/L													
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	**75**	**0.7 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	2 U	2 U	2 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	**75**	**0.7**	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAH17	µg/L													
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other														
Sulfate	µg/L	14808-79-8	250,000	**7,640 J**	**41,600**						**1,130 J**	**1,950 J**	**3,010 J**	**8,720 J**

Table 4-10. OU-2 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Aquifer Zone	Intermediate									
			Operable Unit	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2
			Sample Name	OU2MW-12I2	OU2MW-12I2	OU2MW-12I2	OU2MW-12I2	OU2MW-12D	OU2MW-12D	OU2MW-12D	OU2MW-12D	OU2MW-19I	OU2MW-19I
			Start Depth	30	30	30	30	40	40	40	40	13	13
			End Depth	35	35	35	35	45	45	45	45	23	23
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Date	8/1/2022	12/16/2022	1/16/2023	6/15/2023	8/1/2022	12/16/2022	1/16/2023	6/15/2023	7/5/2022	11/8/2022
			Parent Sample Code										
Analyte	**Units**	**CAS no.**	**NYS AWQS**										
BTEX	µg/L												
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAH17	µg/L												
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U*
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	**1.1 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U*
Total PAH (17)		TPAH17_ND0	NE	ND	**1.1**	ND	ND	ND	ND	ND	ND	ND	ND
Other													
Sulfate	µg/L	14808-79-8	250,000	**34,900**	**15,600**	**26,200**	**21,500**	**6,170**	**3,830 J**	**4,460 J**	**8,800 J**		

Table 4-10. OU-2 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Aquifer Zone	Intermediate										
			Operable Unit	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2
			Sample Name	OU2MW-19I	OU2MW-19I	OU2MW-19I2	OU2MW-19I2	OU2MW-19I2	DUP-01	OU2MW-19I2	OU2MW-27I	OU2MW-27I	OU2MW-27I2	OU2MW-27I2
			Start Depth	13	13	35	35	35	35	35	25	25	45	45
			End Depth	23	23	45	45	45	45	45	30	30	50	50
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Date	1/6/2023	5/9/2023	7/5/2022	11/8/2022	1/6/2023	1/6/2023	5/9/2023	8/23/2022	6/29/2023	8/23/2022	6/29/2023
			Parent Sample Code						OU2MW-19I2					
Analyte	**Units**	**CAS no.**	**NYS AWQS**											
BTEX	µg/L													
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	2 U	1 U
Total BTEX		TBTEX_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAH17	µg/L													
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U*	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other														
Sulfate	µg/L	14808-79-8	250,000											

Table 4-10. OU-2 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Aquifer Zone	Intermediate									
			Operable Unit	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2
			Sample Name	OU2MW-28I	OU2MW-28I	OU2MW-28I2	OU2MW-28I2	OU2MW-29I	OU2MW-29I	OU2MW-29I2	OU2MW-29I2	OU2MW-29D	OU2MW-29D
			Start Depth	28	28	40	40	18	18	30	30	45	45
			End Depth	33	33	45	45	23	23	35	35	50	50
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Date	8/9/2022	6/28/2023	8/9/2022	6/28/2023	8/9/2022	6/27/2023	8/9/2022	6/27/2023	8/9/2022	6/27/2023
			Parent Sample Code										
Analyte	**Units**	**CAS no.**	**NYS AWQS**										
BTEX	µg/L												
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAH17	µg/L												
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	**0.82 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	2 U	**1.1 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	ND	**0.82**	**1.1**	ND	ND	ND	ND	ND	ND	ND
Other													
Sulfate	µg/L	14808-79-8	250,000										

Table 4-10. OU-2 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Aquifer Zone	Intermediate										
			Operable Unit	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2
			Sample Name	OU2MW-30I	OU2MW-30I	OU2MW-30I	OU2MW-30I	OU2MW-30I2	OU2MW-30I2	OU2MW-30I2	OU2MW-30I2	OU2MW-30I3	OU2MW-30I3	OU2MW-30I3
			Start Depth	25	25	25	25	30	30	30	30	45	45	45
			End Depth	30	30	30	30	35	35	35	35	50	50	50
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Date	8/10/2022	12/30/2022	2/20/2023	6/28/2023	8/10/2022	12/30/2022	2/20/2023	6/28/2023	8/10/2022	12/30/2022	2/20/2023
			Parent Sample Code											
Analyte	**Units**	**CAS no.**	**NYS AWQS**											
BTEX	µg/L													
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAH17	µg/L													
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Total PAH (17)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other														
Sulfate	µg/L	14808-79-8	250,000									**10,500**	**3,930 J**	**5,430 J**

Table 4-10. OU-2 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Aquifer Zone	Intermediate									
			Operable Unit	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2
			Sample Name	OU2MW-30I3	OU2MW-31I	OU2MW-31I	OU2MW-31I2	OU2MW-31I2	OU2MW-39I	OU2MW-39I	OU2MW-39I	OU2MW-39I	OU2MW-39I2
			Start Depth	45	18	18	30	30	25	25	25	25	45
			End Depth	50	23	23	35	35	30	30	30	30	50
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Date	6/29/2023	8/12/2022	6/28/2023	8/12/2022	6/28/2023	7/18/2022	11/11/2022	1/23/2023	6/12/2023	7/18/2022
			Parent Sample Code										
Analyte	**Units**	**CAS no.**	**NYS AWQS**										
BTEX	µg/L												
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	**0.55 J**	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**1.4**	1 U	1 U
Total Xylene		1330-20-7	5	1 U	2 U	2 U	2 U	2 U	2 U	2 U	**4.4**	2 U	2 U
Total BTEX		TBTEX_ND0	NE	ND	ND	ND	ND	ND	**0.55**	ND	**5.8**	ND	ND
PAH17	µg/L												
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 UJ	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**7.8**	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	ND	ND	**7.8**	ND	ND
Other													
Sulfate	µg/L	14808-79-8	250,000	**16,600**									

Table 4-10. OU-2 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Aquifer Zone	**Intermediate**									
			Operable Unit	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**
			Sample Name	**OU2MW-39I2**	**OU2MW-39I2**	**OU2MW-39I2**	**OU2MW-40I**	**DUP-05**	**OU2MW-40I**	**OU2MW-41I**	**OU2MW-41I**	**OU2MW-47I**	**OU2MW-47I**	**OU2MW-47I**
			Start Depth	**45**	**45**	**45**	**18**	**18**	**18**	**18**	**18**	**20**	**20**	**20**
			End Depth	**50**	**50**	**50**	**23**	**23**	**23**	**23**	**23**	**25**	**25**	**25**
			Depth Unit	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**
			Sample Date	**11/11/2022**	**1/23/2023**	**6/12/2023**	**8/11/2022**	**8/11/2022**	**6/28/2023**	**8/12/2022**	**6/28/2023**	**8/22/2022**	**12/1/2022**	**2/6/2023**
			Parent Sample Code					**OU2MW-40I**						
Analyte	**Units**	**CAS no.**	**NYS AWQS**											
BTEX	µg/L													
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAH17	µg/L													
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.68 J**	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**1.8 J**	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	**0.95 J**	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**1**	1 U	1 U	1 UJ
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**1.5 J**	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1.9 J**	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 UJ	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
Total PAH (17)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	ND	ND	**7.83**	ND	ND	ND
Other														
Sulfate	µg/L	14808-79-8	250,000											

Table 4-10. OU-2 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Aquifer Zone	Intermediate					Deep				
			Operable Unit	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2	OU-2
			Sample Name	OU2MW-47I	OU2MW-47I2	OU2MW-47I2	OU2MW-47I2	OU2MW-47I2	BBMW-01D	DUP-03	OU2MW-01D	BBMW-03D	BBMW-25D
			Start Depth	20	40	40	40	40	68.5	68.5	65	52	62
			End Depth	25	45	45	45	45	78.5	78.5	70	62	72
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Date	6/2/2023	8/22/2022	12/1/2022	2/6/2023	6/2/2023	5/30/2023	5/30/2023	6/21/2023	6/21/2023	8/24/2022
			Parent Sample Code							BBMW-01D			
Analyte	**Units**	**CAS no.**	**NYS AWQS**										
BTEX	µg/L												
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	**0.75 J**	**0.71 J**	1 U	1 U	
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	
Total BTEX		TBTEX_ND0	NE	ND	ND	ND	ND	ND	**0.75**	**0.71**	ND	ND	
PAH17	µg/L												
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	**1.8 J**	**1.8 J**	10 U	10 U	
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U*	2 U*	2 U	2 U	
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	
Total PAH (17)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	**1.8**	**1.8**	ND	ND	
Other													
Sulfate	µg/L	14808-79-8	250,000										**6,160 J**

Table 4-10. OU-2 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Aquifer Zone	**Deep**										
			Operable Unit	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**
			Sample Name	**BBMW-25D**	**BBMW-25D**	**BBMW-25D**	**OU2MW-02I2**	**OU2MW-02I2**	**OU2MW-02I2**	**OU2MW-02I2**	**OU2MW-02D**	**OU2MW-02D**	**OU2MW-02D**	**OU2MW-02D**
			Start Depth	**62**	**62**	**62**	**50**	**50**	**50**	**50**	**65**	**65**	**65**	**65**
			End Depth	**72**	**72**	**72**	**55**	**55**	**55**	**55**	**70**	**70**	**70**	**70**
			Depth Unit	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**
			Sample Date	**12/5/2022**	**2/14/2023**	**6/19/2023**	**8/23/2022**	**12/5/2022**	**2/14/2023**	**6/19/2023**	**8/23/2022**	**12/5/2022**	**2/14/2023**	**6/20/2023**
			Parent Sample Code											
Analyte	**Units**	**CAS no.**	**NYS AWQS**											
BTEX	µg/L													
Benzene		71-43-2	1		1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5		1 U		**1**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5		1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5		2 U		2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U
Total BTEX		TBTEX_ND0	NE		ND		**1**	ND	ND	ND	ND	ND	ND	ND
PAH17	µg/L													
Acenaphthene		83-32-9	20*		10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE		10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*		10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*		1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*		2 U		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*		1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE		10 U		10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U
Benzo(a)pyrene		50-32-8	ND		1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*		2 U		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE		1 U		1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U
Fluoranthene		206-44-0	50*		10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*		10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*		2 U		2 U	2 UJ	2 U	2 U	2 U	2 UJ	2 U	2 U
2-Methylnaphthalene		91-57-6	NE		10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*		2 U		2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*		10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*		10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE		ND		ND	ND	ND	ND	ND	ND	ND	ND
Other														
Sulfate	µg/L	14808-79-8	250,000	**8,930 J**	**12,000**	**6,560 J**	**73,700**	**128,000**	**127,000**		**4,110 J**	**4,660 J**	**4,890 J**	**4,820 J**

Table 4-10. OU-2 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Aquifer Zone	**Deep**									
			Operable Unit	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**
			Sample Name	**OU2MW-04I2**	**OU2MW-04D**	**OU2MW-08I2**	**OU2MW-08D**	**OU2MW-19D**	**OU2MW-19D**	**OU2MW-19D**	**OU2MW-19D**	**OU2MW-27D**	**OU2MW-27D**	**OU2MW-30D**
			Start Depth	**50**	**65**	**50**	**65**	**65**	**65**	**65**	**65**	**65**	**65**	**50**
			End Depth	**55**	**70**	**55**	**70**	**70**	**70**	**70**	**70**	**70**	**70**	**55**
			Depth Unit	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**
			Sample Date	**6/20/2023**	**6/20/2023**	**6/29/2023**	**6/29/2023**	**7/5/2022**	**11/8/2022**	**1/6/2023**	**5/9/2023**	**8/23/2022**	**6/29/2023**	**8/10/2022**
			Parent Sample Code											
Analyte	**Units**	**CAS no.**	**NYS AWQS**											
BTEX	µg/L													
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	**2.3**	**0.25 J**	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	**1.3**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	1 U	1 U	1 U	1 U	**0.89 J**	**7.7**	**8.3**	2 U	2 U	1 U	2 U
Total BTEX		TBTEX_ND0	NE	ND	**1.3**	ND	ND	**3.2**	**8.0**	**8.3**	ND	ND	ND	ND
PAH17	µg/L													
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	**7 J**	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U*	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U*	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U*	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	ND	ND	ND	ND	**7**	ND	ND	ND	ND	ND	ND
Other														
Sulfate	µg/L	14808-79-8	250,000					**82,400**	**77,700**	**67,700**	**19,400**			**29,100**

Table 4-10. OU-2 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Aquifer Zone	**Deep**										
			Operable Unit	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**
			Sample Name	**OU2MW-30D**	**OU2MW-30D**	**OU2MW-30D**	**OU2MW-30D2**	**OU2MW-30D2**	**OU2MW-30D2**	**OU2MW-30D2**	**OU2MW-39D**	**OU2MW-39D**	**OU2MW-39D**	**OU2MW-39D**	**OU2MW-42D**
			Start Depth	**50**	**50**	**50**	**60**	**60**	**60**	**60**	**70**	**70**	**70**	**70**	**60**
			End Depth	**55**	**55**	**55**	**65**	**65**	**65**	**65**	**75**	**75**	**75**	**75**	**65**
			Depth Unit	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**
			Sample Date	**12/30/2022**	**2/20/2023**	**6/29/2023**	**8/10/2022**	**12/30/2022**	**2/20/2023**	**6/29/2023**	**7/18/2022**	**11/11/2022**	**1/23/2023**	**6/12/2023**	**7/14/2022**
			Parent Sample Code												
Analyte	**Units**	**CAS no.**	**NYS AWQS**												
BTEX	µg/L														
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.3 J**
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**2**
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**2.5**
Total Xylene		1330-20-7	5	2 U	2 U	1 U	2 U	2 U	2 U	1 U	2 U	2 U	2 U	2 U	**26**
Total BTEX		TBTEX_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**31**
PAH17	µg/L														
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2 J**
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	**0.92 J**	**0.94 J**	10 U	10 U	10 U	10 U	10 U	10 U	**16**
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	**1.6 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	**0.76 J**	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	**0.76 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	**1.2 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	**1.8 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 UJ	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**9.6 J**
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**130**
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2.1 J**
Pyrene		129-00-0	50*	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	ND	ND	ND	**0.92**	**7.1**	ND	ND	ND	ND	ND	ND	**160**
Other															
Sulfate	µg/L	14808-79-8	250,000	**29,700**	**31,800**	**30,800**	**148,000**	**153,000**	**138,000**	**141,000**					**75,200**

Table 4-10. OU-2 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Aquifer Zone				**Deep**								
Operable Unit				**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**	**OU-2**
Sample Name				**OU2MW-42D**	**OU2MW-42D**	**OU2MW-42D**	**OU2MW-43D**	**OU2MW-43D**	**OU2MW-43D**	**OU2MW-43D**	**OU2MW-47D**	**OU2MW-47D**	**OU2MW-47D**	**OU2MW-47D**
Start Depth				**60**	**60**	**60**	**65**	**65**	**65**	**65**	**60**	**60**	**60**	**60**
End Depth				**65**	**65**	**65**	**70**	**70**	**70**	**70**	**65**	**65**	**65**	**65**
Depth Unit				**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**	**ft**
Sample Date				**11/10/2022**	**1/23/2023**	**6/12/2023**	**7/14/2022**	**11/10/2022**	**1/18/2023**	**5/9/2023**	**8/22/2022**	**12/1/2022**	**2/6/2023**	**6/2/2023**
Parent Sample Code														
Analyte	**Units**	**CAS no.**	**NYS AWQS**											
BTEX	µg/L													
Benzene		71-43-2	1	**0.35 J**	**0.23 J**	1 U	**4.7**	**4.1**	**5.2**	**4.2**	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	**4**	**2**	**0.81 J**	**0.56 J**	**0.87 J**	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	**6.8**	**5.4**	**0.98 J**	**1.1**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	**65**	**35**	**13**	**14**	**22**	**4.6**	**1.8 J**	2 U	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	**76**	**43**	**15**	**20**	**27**	**9.8**	**6.0**	ND	ND	ND	ND
PAH17	µg/L													
Acenaphthene		83-32-9	20*	**2.5 J**	**1.9 J**	10 U	**5 J**	**6.4 J**	**6.4 J**	**3.7 J**	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	**27**	**20 J**	**4.4 J**	**51**	**45**	**51**	**26**	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	**1.6 J**	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 UJ	10 UJ	10 U	10 U	10 UJ	10 U*	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 UJ	1 UJ	1 U	1 U	1 UJ	1 U*	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	**1 J**	**1.2 J**	**1.6 J**	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 UJ	2 UJ	2 U	2 U	2 UJ	2 U*	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	**13**	**6 J**	**0.53 J**	**1.5 J**	**3 J**	**0.53 J**	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	**280**	**190 J**	**14**	**130**	**110**	**12**	**1.7 J**	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	**1.8 J**	**2.3 J**	10 U	**6.3 J**	**3.4 J**	**8.3 J**	**3.7 J**	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
Total PAH (17)		TPAH17_ND0	NE	**324**	**220**	**19**	**195**	**169**	**81**	**35**	ND	ND	ND	ND
Other														
Sulfate	µg/L	14808-79-8	250,000	**38,600**	**71,400**	**73,500**	**101,000**	**60,200**	**118,000**	**56,300**	**33,400**	**40,600**	**38,600**	**19,200**

Table 4-11. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)														
		Sampling Date														
		1992	1997		1998			1999				2000				2001
		Sep	Jun	Aug	Mar/Apr	Jun	Dec	Mar	Jun	Sep	Oct/Nov	Feb	May	Sep	Nov/Dec	Mar
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	85	--	--	--	--	--
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	0	--	--	--	--	--
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	15	--	--	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	0	--	--	--	--	--	--	--	0	0	--	--	--	--	--
GM-02AI	35.24 - 50.24	0	--	--	--	--	--	--	--	0	0	--	--	--	--	--
GM-02AD	59.8 - 74.8	0	--	--	--	--	--	--	--	0	0	--	--	--	--	--
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-16A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-16B	24.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-18A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-18B	24.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-20A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-20B	24.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01S	4.0 -14.0	0	0	--	0	--	--	--	--	--	0	--	--	--	--	--
MW-01D	35.0 - 45.0	0	--	--	0	--	--	--	--	--	0	--	--	--	--	--
MW-02S/S-R	2.0 - 12.0	161,000	98,200	90,100	143,200	103,200	103,400	132,000	125,100	295,000	72,100	73,000	73,200	137,000	123,100	--
MW-02I/I-R	22.5 - 23.5	--	--	238,900	1,435	4,201	650	965	144	0	65	199	33	--	--	--
MW-03	4.94 - 14.94	--	35	--	1	--	--	--	--	--	178	--	--	--	--	--
MW-04	5.1 - 15.1	--	1	--	0	--	--	--	--	--	0	--	--	--	--	--
MW-08W	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	2.0 - 10.0	--	--	--	--	2,130	635	1,355	4,070	6,910	2,547	1,401	2,360	--	1,390	242
MW-12W	2.0 - 10.0	--	0	--	--	0	--	--	--	--	--	--	--	--	--	--
MW-13W	2.0 - 10.0	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	55	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	--	--	--	79,600	46,190	20,640	1,830	28,980	64,900	3,627	71,900	34,900	55,990	15,370	--
MW-16I	14.0 - 19.0	--	--	--	24	10	55	1	45	0	0	6	12	0	--	--
MW-17W	2.0 - 10.0	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-24D	14.0 - 19.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	--	--	--	--	--	0	0	--	0	0	0	0	10	0	0
MW-29D	14.0 - 19.0	--	--	--	0	--	0	0	0	0	0	0	0	8	--	--

Table 4-11. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)														
		Sampling Date														
		1992	1997		1998			1999				2000				2001
		Sep	Jun	Aug	Mar/Apr	Jun	Dec	Mar	Jun	Sep	Oct/Nov	Feb	May	Sep	Nov/Dec	Mar
MW-30W/W-R	2.0 - 9.0	--	11,740	--	--	--	--	--	--	--	--	--	--	--	27,200	16
MW-32W/W-R	2.0 - 9.0	--	22,000	--	--	4,020	45,800	18,460	3,620	--	--	--	--	--	--	--
MW-34S	2.0 - 10.0	--	39,100	17,000	--	17,600	49,500	3,910	19,750	34,700	28,400	22,700	9,600	--	8,621	5
MW-34I	18.5 - 19.5	--	--	25,600	--	0	3	0	0	0	6	10	3	0	--	--
MW-34D	27.5 - 28.5	--	--	16,200	--	35	3	0	1	0	0	15	0	55	--	--
MW-34DD	27.5 - 28.5	--	--	--	--	0	--	--	61	--	--	--	--	--	--	--
MW-37W	2.0 - 10.0	--	0	--	0	--	--	--	--	--	--	--	--	--	--	--
MW-39W	2.0 - 10.0	--	0	--	0	--	--	--	--	--	--	--	--	--	--	--
MW-45W	2.0 - 10.0	--	5,500	--	195	--	--	--	--	--	--	--	--	13,230	134	53,700
MW-46W/W-R	2.0 - 10.0	--	30,000	--	29,900	--	--	--	--	--	--	--	--	57,900	25,300	23,800
MW-64	19.0 - 24.0	--	--	--	0	0	0	0	0	0	0	25	--	0	0	0
MW-65	11.0 - 16.0	--	--	--	0	--	--	--	--	18	--	31	0	0	0	1
MW-66S	1.5 - 11.5	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
MW-66D	24.0 - 29.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
MW-67S	2.5 - 12.5	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
MW-67D	24 - 29	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
MW-68S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	0	0	1	172	2	0	0	--	--	--	--	--
MW-70/70S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	41,100	8,160	7,920
MW-73	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-73I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-75	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-75I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-76	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-78	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-79	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-80	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-81	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-82	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-83	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-01S	5.0 - 15.0	--	2	--	--	--	--	--	--	--	151	--	--	--	--	--
MWBS-02S	5.0 - 15.0	--	997	60	0	--	221	264	40	0	5,510	50	0	0	6	4
MWBS-02I	14.5 - 15.5	--	--	13	330	347	341	9,998	608	0	7	12	0	0	4,740	0
MWBS-02D	24.5 - 25.5	--	--	62	0	--	2,450	23	25	0	17,530	0	0	0	--	--
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D2	31.0 - 36.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D3	41.0 - 46.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-11. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)														
		Sampling Date														
		1992	1997		1998			1999				2000				2001
		Sep	Jun	Aug	Mar/Apr	Jun	Dec	Mar	Jun	Sep	Oct/Nov	Feb	May	Sep	Nov/Dec	Mar
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I3	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I4	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-13S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-15S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-22I/IP-15A	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-22I2/IP-15B	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-23I/IP-17B	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-23I2/IP-17A	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-24I/IP-19A	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-24I2/IP-19B	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-02	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-02I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-02I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-03	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-1I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-1I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-2I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-2I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-3I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-3I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-11. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)															
		Sampling Date															
		2001			2002						2003			2004			
		Jun	Sep	Dec	Jan/Feb	Mar	Apr/May	Jun/Jul	Aug/Sep	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec
BBMW-09S	5.0 - 15.0	--	--	--	--	--	2	--	3	5	0	0	0	0	0	0	0
BBMW-09I	30.0 - 40.0	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--
BBMW-09D	62.0 - 72.0	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	7,580	5,380	83	10
IP-16A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-16B	24.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-18A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-18B	24.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-20A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-20B	24.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01S	4.0 -14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02S/S-R	2.0 - 12.0	--	--	--	159,200	149,000	166,500	180,000	134,000	149,600	99,400	124,800	263,000	149,000	172,400	22,000	427
MW-02I/I-R	22.5 - 23.5	--	--	--	--	--	--	--	--	--	--	--	63	14	--	--	--
MW-03	4.94 - 14.94	--	--	--	--	24	24	--	3	28	23	85	--	35	51	52	0
MW-04	5.1 - 15.1	--	--	--	--	--	2	--	28	9	0	69	--	0	0	0	0
MW-08W	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	2.0 - 10.0	4,900	170	489	--	2,410	--	175	101	17	172	382	16	0	0	0	1,449
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-13W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	--	3,350	122,600	75,500	59,800	24,550	22,700	45,500	4,424	10,400	27,260	42,700	354	1,320	41,800	317
MW-16I	14.0 - 19.0	--	--	--	--	--	--	2	--	--	--	--	0	0	--	--	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-24D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	2	0	0	--	--	--	0	0	0	0	0	0	0	0	0	0
MW-29D	14.0 - 19.0	--	--	--	--	--	--	0	--	--	--	--	--	0	--	--	0

Table 4-11. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)															
		Sampling Date															
		2001			2002						2003			2004			
		Jun	Sep	Dec	Jan/Feb	Mar	Apr/May	Jun/Jul	Aug/Sep	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec
MW-30W/W-R	2.0 - 9.0	0	40	6,240	--	77	--	0	104	170	--	--	--	--	--	--	--
MW-32W/W-R	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	2,290	4,832	1,189	2,048	74,400	33,300
MW-34S	2.0 - 10.0	3,530	1,500	8	--	71	--	7,440	179	2,142	2,141	34,600	2,827	13,000	13,900	3,364	12,370
MW-34I	18.5 - 19.5	--	--	--	--	--	--	3,690	--	--	--	--	--	4,090	--	--	--
MW-34D	27.5 - 28.5	--	--	--	--	--	--	0	--	--	--	0	0	0	--	--	--
MW-34DD	27.5 - 28.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-37W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-39W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-45W	2.0 - 10.0	1,240	24	219	--	--	2,550	7	1	0	--	8,500	720	1,950	25,000	2,780	11,300
MW-46W/W-R	2.0 - 10.0	17,300	--	--	--	--	--	--	--	21,100	35,800	18,800	8,800	43,400	20,800	23,100	22,500
MW-64	19.0 - 24.0	0	--	84	--	--	9	0	0	14	85,000	0	0	0	0	24	7,650
MW-65	11.0 - 16.0	0	51	0	--	--	9	0	0	31	0	0	0	0	0	0	3,852
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-67S	2.5 - 12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-67D	24 - 29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-68S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	31	7	0	--	403	--	100	3	5	23,800	12	1,170	1,114	6,150	39,400	70
MW-73	2.0 - 12.0	--	--	--	29,500	8,990	7,140	9,400	26,600	5,220	--	64,000	89,000	34,000	33,000	71,500	27,700
MW-73I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-75	2.0 - 12.0	--	--	6,580	4,010	78	45	65,700	82,800	158	1,260	161,100	110,500	4,060	1,302	34,500	212
MW-75I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-76	2.0 - 12.0	--	--	--	2,702	230	37	252	4,560	21	0	109	136	0	--	0	33
MW-78	5.0 - 20.0	--	--	--	17,400	3,790	2,156	2,840	17,700	1,320	11,960	30,800	42,000	11,800	18,200	13,400	8,400
MW-79	5.0 - 20.0	--	--	--	--	2,090	627	74,200	87,100	12,700	69,800	101,600	93,700	116,000	82,600	34,820	24,100
MW-80	5.0 - 20.0	--	--	--	48,000	635	457	6,220	87,600	387	33,300	88,000	126,000	118,000	96,000	81,400	66,900
MW-81	5.0 - 20.0	--	--	--	--	1,449	1,318	28,200	31,600	1,530	12,930	53,600	33,000	63,000	25,000	20,400	35,200
MW-82	5.0 - 20.0	--	--	--	5,840	1,269	110	26,900	48,300	1,444	17,910	245,000	46,000	20,280	9,160	30,300	10,400
MW-83	5.0 - 20.0	--	--	--	189	120	3	458	1,297	8	62	40	950	0	54	0	1,543
MWBS-01S	5.0 - 15.0	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	0	0	0	--	1	--	0	0	0	0	0	0	2,853	323	0	0
MWBS-02I	14.5 - 15.5	59	20	0	--	84	--	0	0	--	0	--	--	0	0	0	0
MWBS-02D	24.5 - 25.5	--	--	--	--	--	--	3	--	--	0	--	--	0	--	--	--
MW-UST1	2.0 - 12.0	--	--	--	--	694	885	--	307	1,727	1,033	1,110	1,911	51	2,343	2,700	240
MW-UST2	2.0 - 12.0	--	--	--	--	661	1,340	--	335	599	1,160	2,400	1,854	440	1,812	3,800	1,430
MW-UST3	2.0 - 12.0	--	--	--	--	75	141	--	21	46	33	79	74	145	320	0	22
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D2	31.0 - 36.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D3	41.0 - 46.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-11. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)															
		Sampling Date															
		2001			2002						2003			2004			
		Jun	Sep	Dec	Jan/Feb	Mar	Apr/May	Jun/Jul	Aug/Sep	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I3	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I4	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-13S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-15S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-22I/IP-15A	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-22I2/IP-15B	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-23I/IP-17B	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-23I2/IP-17A	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-24I/IP-19A	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-24I2/IP-19B	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	--	--	--	30,700	19,700	23,100	--	--	14,500	1,400	0	0	0	0	0	0
PDMW-02	5.0 - 20.0	--	--	--	86,100	72,600	67,700	93,600	53,300	--	--	68,000	74,000	115,900	117,600	82,000	83,000
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	--	--	--	52	40	2	137	820	2	127	73,800	92,300	0	0	0	0
SV-02I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-02I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-03	2.0 - 12.0	--	--	--	14,780	203	90	2,110	6,410	4	5,870	9,810	23,100	33,200	11,600	615	4,400
TMW-1I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-1I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-2I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-2I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-3I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-3I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-11. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)														
		Sampling Date														
		2005				2006				2007				2008		
		Feb/Mar	Jun	Aug	Nov/Dec	March	Jun	Jul/Aug	Nov/Dec	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	0	--	0	--	0	--	--
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	0	--	0	--	0	--	--
BBMW-28S	2.0 - 12.0	0	0	0	0	--	--	--	--	0	0	0	0	0	0	0
BBMW-28I	10.0 - 20.0	0	0	0	0	--	--	--	--	0	0	0	0	0	0	0
BBMW-29	2.0 - 9.0	0	0	0	4,368	974	134	0	0	0	0	0	0	0	0	0
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	0	0	0	0	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	0	0	0	0	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	0	0	0	0	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	0	0	0	0	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	0	0	0	0	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	0	0	0	0	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	0	0	0	0	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	0	0	0	0	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	0	0	0	0	--	--
BBMW-33	7.0 - 12.0	--	--	--	--	0	0	0	0	0	0	0	0	0	0	0
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	0	0	0	0	0	0	0	0
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	0	0	0	0	0	1	0	0
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	21,100	290	3,627	45	0	0	0	101	2,300	0	0	83	0	73	0
IP-16A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-16B	24.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-18A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-18B	24.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-20A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-20B	24.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01S	4.0 -14.0	--	--	--	460	--	0	0	0	0	0	0	0	0	0	0
MW-01D	35.0 - 45.0	--	--	--	--	--	0	0	0	0	0	0	0	0	--	--
MW-02S/S-R	2.0 - 12.0	2,050	13	94	194	945	51	0	68	346	625	1,695	248	27	1	16
MW-02I/I-R	22.5 - 23.5	62	--	--	--	0	--	--	--	0	0	0	0	0	0	3
MW-03	4.94 - 14.94	22	28	24	27	0	24	28	14	0	0	20	18	5	5	9
MW-04	5.1 - 15.1	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0
MW-08W	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	2.0 - 10.0	30	6,580	1,400	2,071	190	61	0	933	42	110	62	97	95	77	35
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
MW-13W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	66,800	65,500	34,600	45,820	42,100	15,000	17,900	18,600	12,250	6,050	15,870	20,770	36,270	11,710	5,840
MW-16I	14.0 - 19.0	0	--	--	--	0	--	--	--	0	103	0	59	84	17	0
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-24D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0
MW-29S	5.0 - 10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	--
MW-29D	14.0 - 19.0	--	--	--	0	--	--	--	--	0	0	0	0	0	--	--

Table 4-11. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)														
		Sampling Date														
		2005				2006				2007				2008		
		Feb/Mar	Jun	Aug	Nov/Dec	March	Jun	Jul/Aug	Nov/Dec	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
MW-30W/W-R	2.0 - 9.0	0	0	10	0	0	106	130	0	0	0	0	0	0	0	1
MW-32W/W-R	2.0 - 9.0	8,413	5,171	4,400	9,200	4,565	5,950	5,100	1,502	1,060	567	1,080	9,760	2,040	57	0
MW-34S	2.0 - 10.0	5,068	11,700	29,200	3,820	14,600	25,500	9,240	5,760	85	9,750	35,100	19,800	7,750	25,870	5,638
MW-34I	18.5 - 19.5	1,348	--	--	--	0	--	--	--	0	0	5	934	35	0	0
MW-34D	27.5 - 28.5	0	--	--	--	0	--	--	--	0	0	0	0	0	0	0
MW-34DD	27.5 - 28.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-37W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-39W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-45W	2.0 - 10.0	39,300	14,000	19,300	16,100	14,600	2,214	1,720	5,770	3,200	43,400	1,236	1,717	3,600	5,690	242
MW-46W/W-R	2.0 - 10.0	37,100	40,200	42,400	15,760	17,110	7,270	2,750	2,330	1,256	3,810	915	1,400	8,130	1,664	3,471
MW-64	19.0 - 24.0	0	5,651	0	750	19	0	0	0	0	0	0	0	0	0	0
MW-65	11.0 - 16.0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0
MW-67S	2.5 - 12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-67D	24 - 29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-68S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	267	45,500	57,000	4,630	4,360	175	277	363	31	268	351	1,577	11,590	7,750	10,910
MW-73	2.0 - 12.0	26,700	26,500	52,000	557	8,460	14,520	36,200	15,070	18,700	22,500	15,300	14,000	12,800	5,970	9,800
MW-73I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-75	2.0 - 12.0	1,815	129,200	157,100	17,000	5,389	1,540	3,600	491	580	355	9,420	2,254	268	1,802	77,440
MW-75I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-76	2.0 - 12.0	0	170	23	0	27	0	0	0	0	0	4	7	2	0	1
MW-78	5.0 - 20.0	15,700	21,800	8,700	3,090	5,900	4,710	18,100	4,080	2,320	3,050	2,480	2,270	54	167	449
MW-79	5.0 - 20.0	32,300	9,800	7,300	588	3,740	3,320	1,220	7,690	13,900	2,840	2,030	542	3,160	32	3,110
MW-80	5.0 - 20.0	132,000	197,000	301,000	38,300	44,000	38,700	6,170	41,100	148,000	26,100	41,000	106,000	3,220	18,700	52,300
MW-81	5.0 - 20.0	37,800	22,870	29,100	15,660	5,000	9,510	3,499	16,900	65,800	16,100	36,300	61,800	8,690	1,080	18,840
MW-82	5.0 - 20.0	5,340	25,300	140	58,900	44,200	30,000	43,400	21,800	7,144	14,460	4,338	17,989	1,164	2,254	6,942
MW-83	5.0 - 20.0	788	980	1,280	142	101	0	5,042	161	41	2,320	6,761	39	36	0	687
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	22	82	0	0	0	0	0	0	0	0	0	8	0	0	0
MWBS-02I	14.5 - 15.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
MWBS-02D	24.5 - 25.5	87	--	--	--	191	--	--	--	0	0	0	0	17	0	0
MW-UST1	2.0 - 12.0	122	660	830	1,083	117	1,270	2,400	944	950	1,250	796	470	--	--	--
MW-UST2	2.0 - 12.0	3,117	1,880	2,700	1,410	1,652	1,925	3,011	1,250	960	1,260	1,173	1,686	--	--	--
MW-UST3	2.0 - 12.0	247	41	12	0	0	19	0	0	14	0	6	4	--	--	--
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D2	31.0 - 36.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D3	41.0 - 46.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-11. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)														
		Sampling Date														
		2005				2006				2007				2008		
		Feb/Mar	Jun	Aug	Nov/Dec	March	Jun	Jul/Aug	Nov/Dec	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I3	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I4	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-13S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-15S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-22I/IP-15A	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-22I2/IP-15B	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-23I/IP-17B	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-23I2/IP-17A	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-24I/IP-19A	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-24I2/IP-19B	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	0	0	0	0	0	0	0	0	0	0	0	70,920	0	0	0
PDMW-02	5.0 - 20.0	90,000	60,300	37,300	100,000	19,500	85,100	67,500	98,000	62,700	79,700	68,020	84,400	70,570	65,260	51,400
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	45,561
SV-02	2.0 - 12.0	0	26,900	24,900	25,500	1,600	32	27,400	42	0	0	26,000	0	0	0	0
SV-02I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-02I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-03	2.0 - 12.0	936	5,509	249	2,702	570	257	831	116	65	207	185	341	105	477	60
TMW-1I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-1I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-2I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-2I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-3I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-3I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-11. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)															
		Sampling Date															
		2008	2009				2010				2011				2012		
		Oct-Dec	Jan-Mar	Apr-Jun	Aug-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	--	--	--	0	--	--
BBMW-09I	30.0 - 40.0	--	0	--	--	--	0	--	--	--	0	--	--	--	0	--	--
BBMW-09D	62.0 - 72.0	--	0	--	--	--	0	--	--	--	0	--	--	--	0	--	--
BBMW-28S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	--	0	0	0	0
BBMW-28I	10.0 - 20.0	0	0	0	0	0	0	10	0	0	0	0	--	0	0	0	0
BBMW-29	2.0 - 9.0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	15
BBMW-30S	2.0 - 10.0	--	0	--	--	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-30I	14.0 - 19.0	--	0	--	--	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-30D	30.0 - 35.0	--	0	--	--	0	0	0	0	0	0	0	0	0	0	0	2
BBMW-31S	2.0 - 10.0	--	2	--	--	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-31I	14.0 - 19.0	--	3	--	--	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-31D	30.0 - 35.0	--	3	--	--	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-32S	2.0 - 10.0	--	0	--	--	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-32I	14.0 - 19.0	--	0	--	--	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-32D	30.0 - 35.0	--	0	--	--	0	0	0	2	0	0	0	0	0	0	0	0
BBMW-33	7.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	--	0	0	0	0
BW-UST-10	5.0 - 10.0	0	0	0	0	0	0	0	0	0	0	--	--	--	0	--	--
BW-UST-11	5.0 - 10.0	-	0	0	0	0	0	0	0	0	0	--	--	--	0	--	--
BW-UST-28	5.0 - 10.0	0	0	0	0	0	0	0	0	0	0	--	--	--	0	--	--
BW-UST-29	5.0 - 10.0	0	0	0	0	0	0	0	0	0	0	--	--	--	0	--	--
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	0	0	0	0	0	0	0	1,275	82	17,660	11,855	13,120	9,050	4,578	5,794	0
IP-16A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-16B	24.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-18A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-18B	24.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-20A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-20B	24.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01S	4.0 -14.0	0	0	0	0	0	0	0	0	0	0	--	--	--	0	--	--
MW-01D	35.0 - 45.0	--	0	0	0	--	0	--	--	--	0	--	--	--	0	--	--
MW-02S/S-R	2.0 - 12.0	47	812	64	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02I/I-R	22.5 - 23.5	0	0	0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-03	4.94 - 14.94	11	6	14	16	18	14	14	12	3	3	--	--	--	0	--	--
MW-04	5.1 - 15.1	0	0	0	0	0	0	0	0	0	0	--	--	--	0	--	--
MW-08W	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--
MW-11W	2.0 - 10.0	8	0	0	27	0	0	0	0	0	0	10	33	52	13	585	1,534
MW-12W	2.0 - 10.0	0	2	0	0	0	0	0	0	0	0	0	0	0	4	488	18
MW-13W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	0	0	--	0	--	--
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	14,280	3,275	4,192	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16I	14.0 - 19.0	4	0	0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-24D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--
MW-26D	14.0 - 19.0	0	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	--	0	0	0	0	0	0	--	--	0	--	--	--	0	--	--
MW-29D	14.0 - 19.0	--	0	0	0	0	0	0	--	--	0	--	--	--	0	--	--

Table 4-11. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)															
		Sampling Date															
		2008	2009				2010				2011				2012		
		Oct-Dec	Jan-Mar	Apr-Jun	Aug-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
MW-30W/W-R	2.0 - 9.0	0	0	0	0	0	0	0	3	0	0	0	0	0	30	26	0
MW-32W/W-R	2.0 - 9.0	29	232	91	277	2	120	0	0	0	0	62	1,548	795	8	25	10
MW-34S	2.0 - 10.0	9,100	3,636	2,310	57	2	16	80	4,080	1,666	179	225	11,830	5,930	4,310	1,737	227
MW-34I	18.5 - 19.5	0	0	0	0	0	0	0	222	0	1,240	4,970	6,421	7,177	11,070	4,165	80
MW-34D	27.5 - 28.5	0	0	0	0	0	0	0	0	0	0	0	1,773	2,357	236	1,747	203
MW-34DD	27.5 - 28.5	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--
MW-37W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0
MW-39W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0
MW-45W	2.0 - 10.0	142	4,210	15,700	1,737	15	323	1,075	1	0	14	0	0	0	36	0	0
MW-46W/W-R	2.0 - 10.0	1,231	525	1,510	811	559	431	1,135	954	549	2,335	1,835	1,152	184	270	1,187	9
MW-64	19.0 - 24.0	0	0	0	0	0	0	0	2,270	13,530	18,020	23,140	21,050	3,698	5,704	12,929	25,962
MW-65	11.0 - 16.0	7	0	0	0	0	0	0	0	5	0	0	0	5,639	2,324	564	557
MW-66S	1.5 - 11.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-66D	24.0 - 29.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-67S	2.5 - 12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--
MW-67D	24 - 29	--	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--
MW-68S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	675	1,124	621	410	57	169	353	754	1,546	1,107	9,700	7,580	4,096	5,120	1,908	1,735
MW-73	2.0 - 12.0	5,380	7,100	62,600	45,100	7,400	8,970	12,000	612	258	863	3,560	1,225	2,276	581	3,610	1,128
MW-73I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	8,350	1,760	1,200	1,590	1,325
MW-75	2.0 - 12.0	1,181	569	7,290	68,310	935	1,375	608	50,410	4,707	5	7	12,710	468	32	72	6,990
MW-75I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	3,370	5,821	20,409	990	2,012
MW-76	2.0 - 12.0	0	0	0	0	0	0	2	0	0	1	0	0	112	0	0	0
MW-78	5.0 - 20.0	312	2,590	2,140	3,370	599	650	--	4,890	4,650	210	1,380	583	3,010	4,390	4,280	25,300
MW-79	5.0 - 20.0	2,060	10,100	189	893	6,780	1,020	4,290	274	23,000	1,200	1,310	9,750	2,280	9,580	9,930	14,900
MW-80	5.0 - 20.0	90,400	55,200	34,500	8,750	20,100	3,750	11,260	20,090	10,780	2,820	2,330	11,320	2,470	5,270	12,980	5,250
MW-81	5.0 - 20.0	5,020	257	152	607	25,120	6,120	7,730	24,400	5,700	1,187	2,298	3,050	3,240	2,225	7,390	7,852
MW-82	5.0 - 20.0	19,071	6,151	403	1,822	4,140	4,260	18,100	1,890	5,410	655	55	1,743	508	1,487	1,196	259
MW-83	5.0 - 20.0	2,145	0	0	66	0	0	4	10	2,387	11	16	155	2,339	1,992	662	186
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	0	98	0	268	103	939	56	115	3	0	11	4	120	177	28	12
MWBS-02I	14.5 - 15.5	0	0	3	30	14	4	107	83	0	2	4	1	34	43	80	376
MWBS-02D	24.5 - 25.5	0	0	0	0	0	1	0	0	0	1	0	0	0	0	2,971	414
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-01S	3.0 - 13.0	--	--	--	0	0	0	0	0	0	0	0	0	0	43	0	0
OU3MW-02S	3.0 - 13.0	--	--	--	0	0	5	0	0	0	0	0	0	0	0	0	0
OU3MW-02I	15.0 - 20.0	--	--	--	0	0	0	0	0	0	0	3	0	0	0	0	0
OU3MW-03S	1.0 - 11.0	--	--	--	58	0	0	15	0	0	542	224	698	8,690	665	530	81
OU3MW-03I	20.0 - 25.0	--	--	--	0	0	4	132	0	0	2,463	1,480	5,630	769	138	285	1,621
OU3MW-04S	1.0 - 11.0	--	--	--	37	114	0	0	7	0	21	2	0	18	0	4	0
OU3MW-04I	16.0 - 21.0	--	--	--	187	0	0	336	208	0	0	108	541	115	0	0	0
OU3MW-04D	26.0 - 31.0	--	--	--	0	0	0	0	0	0	0	0	152	15,384	2,837	939	3,001
OU3MW-04D2	31.0 - 36.0	--	--	--	--	--	--	--	--	--	--	--	--	--	11	6	770
OU3MW-04D3	41.0 - 46.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	1
OU3MW-05S	2.0 - 12.0	--	--	--	--	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-05I	15.0 - 20.0	--	--	--	--	0	0	0	0	0	246	75	0	0	0	0	72
OU3MW-06	3.0 - 13.0	--	--	--	0	0	0	0	7	0	0	11	0	0	32	0	0
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	3,461	39	8	251	179	108	0	0	0	23	0

Table 4-11. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)															
		Sampling Date															
		2008	2009				2010				2011				2012		
		Oct-Dec	Jan-Mar	Apr-Jun	Aug-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	0	0	0	0	4,040	326	61	38	0	850	57
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	0	0	0	0	3,267	10,427	3,520	1,416	7,366	2,502	37
OU3MW-07I3	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	12,187	107	12
OU3MW-07I4	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0
OU3MW-08S	2.0 - 12.0	--	--	--	--	--	--	--	--	5,200	5,730	4,530	4,940	1,970	2,330	2,260	1,321
OU3MW-08I	25.0 - 30.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	2	0
OU3MW-09S	2.0 - 12.0	--	--	--	--	--	--	--	--	2,002	407	365	287	79	37	56	59
OU3MW-09I	25.0 - 30.0	--	--	--	--	--	--	--	--	38,700	31,840	20,390	22,230	23,690	5,920	1,948	2,441
OU3MW-09I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	4	46	27	18	73
OU3MW-10S	2.0 - 12.0	--	--	--	--	--	--	--	--	4,614	3,084	958	492	251	113	143	42
OU3MW-10I	25.0 - 30.0	--	--	--	--	--	--	--	--	8	0	0	1	63	201	440	712
OU3MW-11S	2.0 - 12.0	--	--	--	--	--	--	--	--	0	0	0	0	0	8	0	0
OU3MW-11I	25.0 - 30.0	--	--	--	--	--	--	--	--	1	0	0	0	0	0	0	0
OU3MW-12S	2.0 - 12.0	--	--	--	--	--	--	--	--	0	0	0	0	0	5	0	0
OU3MW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0	0
OU3MW-13S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	1,490	2,730	21,000	2,700	3,940
OU3MW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	34,200	31,100	23,600	27,800	20,100
OU3MW-15S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	2,598	1,444	204	412	1,847
OU3MW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	43	898	769	846	259
OU3MW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-22I/IP-15A	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-22I2/IP-15B	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-23I/IP-17B	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-23I2/IP-17A	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-24I/IP-19A	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-24I2/IP-19B	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	0	0	0	--	0	0	0	0	0	0	18	0	0	2	0	0
PDMW-02	5.0 - 20.0	73,810	59,210	46,350	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-03	5.0 - 15.0	27,913	14,511	27,515	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	0	26	1	34,300	4	0	212	32,000	27	0	0	17	20	114	0	767
SV-02I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	12,120	1,562	1,035	8,568	6,944
SV-02I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	0	0	2	62	47
SV-03	2.0 - 12.0	56	29	10	5	8	0	0	5	144	3	7	10	3	73	536	21
TMW-1I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-1I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-2I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-2I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-3I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-3I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-11. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)														
		Sampling Date														
		2012	2013				2014				2015				2016	
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	--	--	--	0
BBMW-28I	10.0 - 20.0	0	0	0	0	0	0	0	0	0	0	0	--	--	--	0
BBMW-29	2.0 - 9.0	0	1	0	0	0	0	0	0	0	0	0	--	--	--	0
BBMW-30S	2.0 - 10.0	--	0	0	--	--	--	0	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	0	0	--	--	--	0	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	0	0	--	--	--	0	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	0	0	0	0	0	0	0	0	0	0	0	--	--	--	0
BBMW-31I	14.0 - 19.0	0	0	0	0	0	0	0	0	0	0	0	--	--	--	0
BBMW-31D	30.0 - 35.0	0	0	0	0	0	0	0	0	0	0	0	--	--	--	0
BBMW-32S	2.0 - 10.0	--	0	0	--	--	--	0	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	0	0	--	--	--	0	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	0	0	--	--	--	0	--	--	--	--	--	--	--	--
BBMW-33	7.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	--	--	--	0
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	0	0	0	0	3	0	0	0	0	0	0	--	--	--	0
IP-16A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	664	29	0	0	0
IP-16B	24.0 - 25.0	--	--	--	--	--	--	--	--	--	--	43	201	20	0	18
IP-18A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	3,660	0	0	0	0
IP-18B	24.0 - 25.0	--	--	--	--	--	--	--	--	--	--	3	167	12	0	0
IP-20A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	1,580	126	10	62	4,846
IP-20B	24.0 - 25.0	--	--	--	--	--	--	--	--	--	--	2,511	654	0	271	69
MW-01S	4.0 -14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02S/S-R	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02I/I-R	22.5 - 23.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-03	4.94 - 14.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-04	5.1 - 15.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-08W	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	2.0 - 10.0	428	2	4	0	--	0	0	0	0	0	0	--	--	--	0
MW-12W	2.0 - 10.0	0	15	80	0	2	0	0	0	0	0	0	--	--	--	0
MW-13W	2.0 - 10.0	--	--	0	0	0	0	0	0	0	0	0	--	--	--	0
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-24D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-11. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)														
		Sampling Date														
		2012	2013				2014				2015				2016	
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
MW-30W/W-R	2.0 - 9.0	--	0	0	0	0	0	0	0	0	0	0	--	--	--	0
MW-32W/W-R	2.0 - 9.0	156	2	3	1	0	0	0	0	0	0	0	--	--	--	0
MW-34S	2.0 - 10.0	126	1	0	0	1	0	0	0	0	0	0	--	--	--	0
MW-34I	18.5 - 19.5	58	38	18	13	4	510	0	0	0	0	0	--	--	--	0
MW-34D	27.5 - 28.5	1	2	13	1	14	0	0	0	0	0	0	--	--	--	0
MW-34DD	27.5 - 28.5	0	--	0	0	0	0	0	0	0	0	0	--	--	--	15
MW-37W	2.0 - 10.0	0	0	0	21	0	0	0	0	0	0	0	--	--	--	0
MW-39W	2.0 - 10.0	0	0	0	0	0	0	0	0	0	0	0	--	--	--	0
MW-45W	2.0 - 10.0	0	0	0	0	0	0	0	0	0	0	0	--	--	--	0
MW-46W/W-R	2.0 - 10.0	3	0	0	0	156	0	0	0	0	0	0	--	--	--	11
MW-64	19.0 - 24.0	6,549	2,447	1,906	1,593	35	4,811	1,696	50	2,962	310	81	1,511	3	2	88
MW-65	11.0 - 16.0	328	309	4	151	94	58	12	67	21	9	0	89	8	141	22
MW-66S	1.5 - 11.5	--	0	0	--	0	0	0	0	0	--	0	--	--	--	0
MW-66D	24.0 - 29.0	--	0	0	--	0	0	0	0	0	--	0	--	--	--	0
MW-67S	2.5 - 12.5	--	--	0	--	0	0	0	0	0	0	0	--	--	--	0
MW-67D	24 - 29	--	--	0	--	0	0	0	0	0	0	0	--	--	--	0
MW-68S	15.0 - 20.0	--	0	0	0	0	0	0	0	0	0	0	--	--	--	0
MW-68D	25.0 - 30.0	--	20	2	0	0	5	0	0	0	0	0	--	--	--	0
MW-70/70S	2.0 - 12.0	38	4	0	3	9	0	0	0	0	0	0	--	--	--	0
MW-73	2.0 - 12.0	1,338	1,109	1,822	315	3	11	0	0	0	200	0	0	0	2	3
MW-73I	22.0 - 27.0	1,098	1,147	719	945	4	13	10	0	75	0	0	0	0	0	0
MW-75	2.0 - 12.0	3,420	24	173	1,471	7	0	0	0	0	0	0	--	--	--	0
MW-75I	22.0 - 27.0	1,652	492	517	335	22	104	12	0	0	0	0	0	--	--	0
MW-76	2.0 - 12.0	0	0	0	2	0	0	0	0	0	0	0	--	--	--	0
MW-78	5.0 - 20.0	8,900	2,030	18,290	14,250	88	7	0	117	19	29	59	11	0	38	14
MW-79	5.0 - 20.0	8,040	3,340	4,260	4,030	25	6	0	0	17	17	0	0	0	3	3
MW-80	5.0 - 20.0	4,450	5,340	3,080	5,230	50	421	44	203	8	0	930	4,591	4	0	0
MW-81	5.0 - 20.0	7,158	251	1,023	1,096	8	6	0	0	0	0	0	--	--	--	0
MW-82	5.0 - 20.0	1,609	523	461	564	12	0	0	0	0	0	0	--	--	--	0
MW-83	5.0 - 20.0	281	8	34	61	37	27	25	78	75	0	10	24	43	8	62
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	1	0	0	0	0	0	0	0	0	0	0	--	--	--	0
MWBS-02I	14.5 - 15.5	3	0	1	8	0	0	3	1	0	0	0	--	--	--	0
MWBS-02D	24.5 - 25.5	71	0	0	0	0	0	0	0	0	0	0	--	--	--	0
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-01S	3.0 - 13.0	8	0	0	0	0	0	0	0	0	0	0	--	--	--	0
OU3MW-02S	3.0 - 13.0	0	0	0	0	0	0	0	0	0	0	0	--	--	--	0
OU3MW-02I	15.0 - 20.0	0	0	0	0	0	0	0	0	0	0	0	--	--	--	0
OU3MW-03S	1.0 - 11.0	89	48	2	1	5	2	0	0	0	0	0	--	--	--	0
OU3MW-03I	20.0 - 25.0	21	0	2,472	76	627	108	0	0	0	0	0	--	--	--	0
OU3MW-04S	1.0 - 11.0	0	0	0	0	0	0	7	0	0	0	0	--	--	--	0
OU3MW-04I	16.0 - 21.0	0	0	0	0	0	0	6	0	0	0	0	--	--	--	0
OU3MW-04D	26.0 - 31.0	1,665	7	7	0	0	0	0	0	0	0	0	--	--	--	0
OU3MW-04D2	31.0 - 36.0	400	13	4	3	0	0	0	0	0	0	0	--	--	--	0
OU3MW-04D3	41.0 - 46.0	0	0	0	0	0	0	0	0	0	0	0	--	--	--	0
OU3MW-05S	2.0 - 12.0	0	0	0	0	3	0	0	0	0	2	0	--	--	--	0
OU3MW-05I	15.0 - 20.0	39	115	364	60	0	0	0	0	2	2	0	--	--	--	0
OU3MW-06	3.0 - 13.0	0	0	0	16	0	0	0	0	0	0	0	--	--	--	0
OU3MW-07S	3.0 - 13.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4-11. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)														
		Sampling Date														
		2012	2013				2014				2015				2016	
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
OU3MW-07I	15.0 - 20.0	1,121	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-07I2	20.0 - 25.0	20	19	14	6	4	2	1	0	0	0	0	0	0	0	0
OU3MW-07I3	25.0 - 30.0	3	36	5	0	1	0	0	0	0	30	0	0	0	0	0
OU3MW-07I4	35.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0	0	--	0	0
OU3MW-08S	2.0 - 12.0	966	1,850	165	1,580	1,930	2,240	1,003	710	585	1,176	0	1,368	752	224	261
OU3MW-08I	25.0 - 30.0	--	--	0	--	--	--	0	--	--	--	--	--	--	--	--
OU3MW-09S	2.0 - 12.0	115	0	0	15	25	0	0	1	5	11	0	10	2	0	0
OU3MW-09I	25.0 - 30.0	3,497	915	2,080	428	333	588	346	313	1,045	2,063	1,070	2,790	3,180	1,089	4,180
OU3MW-09I2	35.0 - 40.0	27	16	70	9	14	6	10	7	8	6	3	0	--	--	0
OU3MW-10S	2.0 - 12.0	40	0	0	6	6	0	1	--	--	--	--	--	--	--	--
OU3MW-10I	25.0 - 30.0	303	469	580	314	326	574	642	113	112	388	900	106	54	217	--
OU3MW-11S	2.0 - 12.0	--	--	0	--	--	--	1	--	--	--	--	--	--	--	--
OU3MW-11I	25.0 - 30.0	--	--	0	--	--	--	0	--	--	--	--	--	--	--	--
OU3MW-12S	2.0 - 12.0	--	--	0	--	--	--	0	--	--	--	--	--	--	--	--
OU3MW-12I	25.0 - 30.0	--	--	0	--	--	--	0	--	--	--	--	--	--	--	--
OU3MW-13S	2.0 - 12.0	21,000	6,100	12,120	537	4	277	810	1	15	1,370	168	0	8	4	0
OU3MW-14S	2.0 - 12.0	23,100	21,500	19,600	18,200	14	9	0	0	0	0	0	--	--	--	0
OU3MW-15S	2.0 - 12.0	2,254	51	184	881	21	0	0	0	0	0	0	--	--	--	0
OU3MW-16S	2.0 - 12.0	164	1,128	219	161	18	200	180	648	1,129	980	158	36	1,187	789	910
OU3MW-17S	2.0 - 12.0	--	--	0	0	0	0	0	0	0	0	0	--	--	--	0
OU3MW-17I	15.0 - 20.0	--	--	0	0	0	0	7	0	0	0	0	--	--	--	0
OU3MW-17I2	25.0 - 30.0	--	--	2	0	0	0	5	0	0	2	0	--	--	--	0
OU3MW-18I	15.0 - 20.0	--	--	55	4	5	0	2	0	2	0	0	--	--	--	0
OU3MW-18I2	25.0 - 30.0	--	--	5	0	0	0	0	0	0	0	0	--	--	--	0
OU3MW-19S	2.0 - 12.0	--	--	--	6,350	5,560	4,410	--	1,990	83	403	484	323	47	52	95
OU3MW-19I	20.0 - 25.0	--	--	--	106	502	0	--	0	74	427	142	0	0	0	0
OU3MW-19I2	30.0 - 35.0	--	--	--	0	0	0	--	0	0	0	0	0	0	0	0
OU3MW-20S	2.0 - 12.0	--	--	--	85	82	3	0	0	20	0	0	0	0	0	0
OU3MW-20I	20.0 - 25.0	--	--	--	431	551	2	0	0	0	0	0	0	0	0	0
OU3MW-20I2	30.0 - 35.0	--	--	--	0	9	0	0	134	2	0	0	0	0	0	0
OU3MW-21S	2.0 - 12.0	--	--	--	0	0	0	0	0	0	0	0	--	--	--	0
OU3MW-21I	15.0 - 20.0	--	--	--	0	0	0	0	0	0	0	0	--	--	--	0
OU3MW-21I2	25.0 - 30.0	--	--	--	0	11	0	0	0	0	0	0	--	--	--	0
OU3MW-22I/IP-15A	10.0 - 15.0	--	--	--	--	30,200	32,200	--	--	--	--	16,000	950	33	0	0
OU3MW-22I2/IP-15B	25.0 - 30.0	--	--	--	--	0	480	--	--	--	--	43	13	0	0	0
OU3MW-23I/IP-17B	10.0 - 15.0	--	--	--	--	16,900	16,000	--	--	--	--	15,600	3,040	3,768	226	473
OU3MW-23I2/IP-17A	25.0 - 30.0	--	--	--	--	2,210	1,960	--	--	--	--	1,200	144	635	0	0
OU3MW-24I/IP-19A	10.0 - 15.0	--	--	--	--	3,530	2,145	--	--	--	--	3,340	1,139	3	85	68
OU3MW-24I2/IP-19B	25.0 - 30.0	--	--	--	--	5,821	20,120	--	--	--	--	2,811	8,520	126	202	19
PDMW-01	5.0 - 20.0	--	--	0	--	--	--	0	--	--	--	--	--	--	--	--
PDMW-02	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	1	0	0	0	7	0	0	0	0	0	0	--	--	--	--
SV-02I	22.0 - 27.0	25,765	1,407	294	147	32	0	6	1,413	270	0	1	271	0	0	0
SV-02I2	35.0 - 40.0	1	0	0	0	0	0	0	0	0	0	0	--	--	--	0
SV-03	2.0 - 12.0	5	17	0	4	3	0	0	4	0	0	1	--	--	--	0
TMW-1I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-1I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-2I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-2I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-3I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-3I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-11. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)															
		Sampling Date															
		2016		2017				2018				2019				2020	
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-16A	14.0 - 15.0	72	0	0	0	0	0	--	0	--	--	--	50	--	0	0	0
IP-16B	24.0 - 25.0	0	0	0	6	0	--	--	1.043	--	--	--	0	--	--	--	--
IP-18A	14.0 - 15.0	0	0	--	0	--	--	--	0	--	--	--	--	--	--	--	--
IP-18B	24.0 - 25.0	3	0	0	0	--	--	--	0	--	--	--	--	--	--	--	--
IP-20A	14.0 - 15.0	159	0	0	247	24	2	0	1272.7	0	0	0	59	--	0	0	0
IP-20B	24.0 - 25.0	0	0	87	76	0	0	0	0.92	0	--	--	4	--	--	--	278
MW-01S	4.0 -14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02S/S-R	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02I/I-R	22.5 - 23.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-03	4.94 - 14.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-04	5.1 - 15.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-08W	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-13W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-24D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-11. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)															
		Sampling Date															
		2016		2017				2018				2019				2020	
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep
MW-30W/W-R	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-32W/W-R	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-34S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-34I	18.5 - 19.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-34D	27.5 - 28.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-34DD	27.5 - 28.5	--	--	--	--	0	--	--	0	--	--	--	--	--	--	--	--
MW-37W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-39W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-45W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-46W/W-R	2.0 - 10.0	--	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--
MW-64	19.0 - 24.0	0	0	54	21	0	0	4	1.96	4	966	0	0	0	1,602	3	10
MW-65	11.0 - 16.0	--	--	--	--	1	0	--	0	--	4	0	7	47	1	12	0
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-67S	2.5 - 12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-67D	24 - 29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-68S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-73	2.0 - 12.0	0	0	0	0	0	--	--	0	--	--	--	2	--	--	--	--
MW-73I	22.0 - 27.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--
MW-75	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-75I	22.0 - 27.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--
MW-76	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-78	5.0 - 20.0	0	0	0	26	0	0	4	8.08	0	--	--	0	--	--	--	0
MW-79	5.0 - 20.0	0	0	29	4	0	0	0	0	0	--	--	0	--	--	--	0
MW-80	5.0 - 20.0	42	0	0	0	0	0	--	0	--	--	--	0	--	--	--	--
MW-81	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-82	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-83	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	0	29	11	3	3	3
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02I	14.5 - 15.5	--	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--
MWBS-02D	24.5 - 25.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D2	31.0 - 36.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D3	41.0 - 46.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4-11. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)															
		Sampling Date															
		2016		2017				2018				2019				2020	
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep
OU3MW-07I	15.0 - 20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-07I2	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-07I3	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
OU3MW-07I4	35.0 - 40.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-08S	2.0 - 12.0	850	950	446	169	1,710	1,180	460	340	1,109	65	1,038	21	42	1,460	1,229	1,289
OU3MW-08I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09S	2.0 - 12.0	0	0	0	0	--	--	--	0	--	--	--	--	--	--	--	--
OU3MW-09I	25.0 - 30.0	3,820	3,579	3,162	2,481	2,520	3,250	1,244	719.2	2,798	466	645	586	857	1,530	29	31
OU3MW-09I2	35.0 - 40.0	--	--	--	9	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10S	2.0 - 12.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10I	25.0 - 30.0	104	55	54	101	41	21	353	116.2	14	113	319	16	8	28	388	7
OU3MW-11S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-13S	2.0 - 12.0	0	203	0	0	0	3	1	0	2	0	3	0	--	--	--	0
OU3MW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-15S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-16S	2.0 - 12.0	619	631	162	681	72	506	165	180.6	625	173	151	242	212	94	77	49
OU3MW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19S	2.0 - 12.0	28	12	34	29	9	0	0	5.5	10	8	7	0	12	5	5	4
OU3MW-19I	20.0 - 25.0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-19I2	30.0 - 35.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-20S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-20I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-20I2	30.0 - 35.0	0	0	0	0	4	0	0	0	774	0	0	0	0	531	8	0
OU3MW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-22I/IP-15A	10.0 - 15.0	0	0	16	1	--	--	--	0	--	--	--	0	--	--	--	--
OU3MW-22I2/IP-15B	25.0 - 30.0	0	0	--	0	--	--	--	0.75	--	--	--	--	--	--	--	--
OU3MW-23I/IP-17B	10.0 - 15.0	379	152	161	17	18	122	11	0	3	24	0	0	0	0	0	0
OU3MW-23I2/IP-17A	25.0 - 30.0	32	0	0	0	68	0	0	0	5	0	--	0	--	--	--	0
OU3MW-24I/IP-19A	10.0 - 15.0	24	28	14	0	1	20	34	0.15	1	4	0	0	--	--	--	0
OU3MW-24I2/IP-19B	25.0 - 30.0	1,199	0	152	26	0	0	144	0	0	176	0	0	0	711	1	9
PDMW-01	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-02	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	--	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--
SV-02I	22.0 - 27.0	0	0	0	--	--	0	--	0	--	--	--	--	--	--	--	--
SV-02I2	35.0 - 40.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--
SV-03	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-1I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	350	2	5	0
TMW-1I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	2,334	538	82	459
TMW-2I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	3	5	3	0
TMW-2I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	814	333	251	--
TMW-3I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	5	42	26	--
TMW-3I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	733	26	221	0

Table 4-11. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)															
		Sampling Date											Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2020	2021				2022				2023						
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	0	85	3	0	0
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	0	15	2	0	0
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	0	10	0	0	0
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	0	4,368	128	0	0
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	0	2	0	0	0
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0	2	0	0	0
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	0	3	0	0	0
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	0	3	0	0	0
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	0	2	0	0	0
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0	1	0	0	0
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	0	21,100	2,215	0	0
IP-16A	14.0 - 15.0	0	0	0	0	--	--	14	--	--	--	0	0	664	39	0	0
IP-16B	24.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	0	201	24	0	0
IP-18A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	0	3,660	407	0	0
IP-18B	24.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	0	167	19	0	0
IP-20A	14.0 - 15.0	0	0	0	0	--	--	0	--	--	--	0	0	4,846	336	0	0
IP-20B	24.0 - 25.0	--	37	6	851	2	111	12	1,813	0	209	758	0	2,511	295	0	1,813
MW-01S	4.0 -14.0	--	--	--	--	--	--	--	--	--	--	--	0	460	17	0	0
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
MW-02S/S-R	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	0	295,000	77,916	0	0
MW-02I/I-R	22.5 - 23.5	--	--	--	--	--	--	--	--	--	--	--	0	238,900	10,281	0	0
MW-03	4.94 - 14.94	--	--	--	--	--	--	--	--	--	--	--	0	178	22	0	0
MW-04	5.1 - 15.1	--	--	--	--	--	--	--	--	--	--	--	0	69	3	0	0
MW-08W	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
MW-11W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0	6,910	724	0	0
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0	488	16	0	0
MW-13W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	55	55	55	0	0
MW-16SR	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	317	122,600	30,530	0	0
MW-16I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	0	103	17	0	0
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
MW-24D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
MW-29S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0	10	0	0	0
MW-29D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	0	8	0	0	0

Table 4-11. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)															
		Sampling Date											Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2020	2021				2022				2023						
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
MW-30W/W-R	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	0	27,200	883	0	0
MW-32W/W-R	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	0	74,400	5,078	0	0
MW-34S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0	49,500	8,730	0	0
MW-34I	18.5 - 19.5	--	--	--	--	--	--	--	--	--	--	--	0	25,600	1,463	0	0
MW-34D	27.5 - 28.5	--	--	--	--	--	--	--	--	--	--	--	0	16,200	444	0	0
MW-34DD	27.5 - 28.5	--	--	--	--	--	--	--	--	--	--	--	0	61	5	0	0
MW-37W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0	21	1	0	0
MW-39W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
MW-45W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0	53,700	5,285	0	0
MW-46W/W-R	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	0	57,900	9,981	0	0
MW-64	19.0 - 24.0	246	4	0	39	1	32	0	19	98	130	39	0	85,000	2,687	19	130
MW-65	11.0 - 16.0	0	0	213	--	0	0	14	0	1	0	0	0	5,639	175	0	1
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
MW-67S	2.5 - 12.5	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
MW-67D	24 - 29	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
MW-68S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	0	172	11	0	0
MW-70/70S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	0	57,000	5,192	0	0
MW-73	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	0	89,000	13,117	0	0
MW-73I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	0	8,350	868	0	0
MW-75	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	0	161,100	18,269	0	0
MW-75I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	0	20,409	1,881	0	0
MW-76	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	0	4,560	153	0	0
MW-78	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	0	42,000	5,462	0	0
MW-79	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	0	116,000	13,163	0	0
MW-80	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	0	301,000	33,853	0	0
MW-81	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	0	65,800	13,965	0	0
MW-82	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	0	245,000	14,582	0	0
MW-83	5.0 - 20.0	2	8	15	--	0	0	0	0	--	--	3	0	6,761	478	0	3
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	0	151	51	0	0
MWBS-02S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	0	5,510	177	0	0
MWBS-02I	14.5 - 15.5	--	--	--	--	--	--	--	--	--	--	--	0	9,998	255	0	0
MWBS-02D	24.5 - 25.5	--	--	--	--	--	--	--	--	--	--	--	0	17,530	477	0	0
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	51	2,700	1,039	0	0
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	335	3,800	1,646	0	0
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	0	320	56	0	0
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	0	43	2	0	0
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	0	5	0	0	0
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	0	3	0	0	0
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	0	8,690	466	0	0
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	0	5,630	633	0	0
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	0	114	8	0	0
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--	0	541	60	0	0
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--	0	15,384	960	0	0
OU3MW-04D2	31.0 - 36.0	--	--	--	--	--	--	--	--	--	--	--	0	770	80	0	0
OU3MW-04D3	41.0 - 46.0	--	--	--	--	--	--	--	--	--	--	--	0	1	0	0	0
OU3MW-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	0	3	0	0	0
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	0	364	41	0	0
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	0	32	3	0	0
OU3MW-07S	3.0 - 13.0	0	0	0	0	0	0	0	0	0	0	0	0	3,461	83	0	0

Table 4-11. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	BTEX Groundwater Concentrations (µg/L)															
		Sampling Date											Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2020	2021				2022				2023						
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
OU3MW-07I	15.0 - 20.0	0	0	0	0	0	0	0	0	0	0	0	0	4,040	133	0	0
OU3MW-07I2	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	0	10,427	584	0	0
OU3MW-07I3	25.0 - 30.0	15	5	0	0	0	0	0	0	5	0	0	0	12,187	302	0	5
OU3MW-07I4	35.0 - 40.0	0	15	0	0	0	0	0	0	0	0	0	0	15	0	0	0
OU3MW-08S	2.0 - 12.0	667	2,530	901	2,740	1,221	1,248	838	2,035	1,395	558	2,030	0	5,730	1,426	558	2,035
OU3MW-08I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	0	2	0	0	0
OU3MW-09S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	0	2,002	124	0	0
OU3MW-09I	25.0 - 30.0	158	94	68	27	24	168	169	839	146	112	436	24	38,700	4,337	112	839
OU3MW-09I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	0	73	19	0	0
OU3MW-10S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	0	4,614	609	0	0
OU3MW-10I	25.0 - 30.0	12	154	36	22	9	10	20	214	25	26	15	0	900	189	15	214
OU3MW-11S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	0	8	1	0	0
OU3MW-11I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	0	1	0	0	0
OU3MW-12S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	0	5	1	0	0
OU3MW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU3MW-13S	2.0 - 12.0	--	--	0	109	--	0	5	17	0	0	--	0	21,000	2,016	0	17
OU3MW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	0	34,200	12,895	0	0
OU3MW-15S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	0	2,598	582	0	0
OU3MW-16S	2.0 - 12.0	165	27	7	0	2	37	16	5	17	29	10	0	1,187	363	5	29
OU3MW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU3MW-17I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	0	7	1	0	0
OU3MW-17I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	0	5	1	0	0
OU3MW-18I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	0	55	7	0	0
OU3MW-18I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	0	5	1	0	0
OU3MW-19S	2.0 - 12.0	2	2	3	4	3	2	1	2	1	0	0	0	6,350	588	0	2
OU3MW-19I	20.0 - 25.0	0	0	1	0	0	0	0	0	0	0	0	0	502	37	0	0
OU3MW-19I2	30.0 - 35.0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	0	0
OU3MW-20S	2.0 - 12.0	0	0	1	2	1	0	0	6	0	0	0	0	85	6	0	6
OU3MW-20I	20.0 - 25.0	0	0	1	0	0	0	0	0	0	0	0	0	551	28	0	0
OU3MW-20I2	30.0 - 35.0	0	0	46	5	0	1	63	2	0	0	0	0	774	45	0	2
OU3MW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU3MW-21I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU3MW-21I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	0	11	1	0	0
OU3MW-22I/IP-15A	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	0	32,200	6,108	0	0
OU3MW-22I2/IP-15B	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	0	480	49	0	0
OU3MW-23I/IP-17B	10.0 - 15.0	--	--	0	44	--	0	0	0	0	0	0	0	16,900	2,109	0	0
OU3MW-23I2/IP-17A	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	0	2,210	329	0	0
OU3MW-24I/IP-19A	10.0 - 15.0	--	--	0	2	--	--	--	--	--	--	--	0	3,530	474	0	0
OU3MW-24I2/IP-19B	25.0 - 30.0	35	0	1	28	10	7	0	191	58	3	1	0	20,120	1,337	1	191
PDMW-01	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	0	70,920	3,729	0	0
PDMW-02	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	19,500	117,600	73,549	0	0
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	14,511	45,561	28,875	0	0
SV-02	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	0	92,300	6,556	0	0
SV-02I	22.0 - 27.0	--	--	--	--	--	--	--	--	--	--	--	0	25,765	2,393	0	0
SV-02I2	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	0	62	6	0	0
SV-03	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	0	33,200	2,245	0	0
TMW-1I	12.0 - 17.0	0	1	4	65	148	2	222	198	2	9	15	0	350	73	2	198
TMW-1I2	25.0 - 30.0	1	2	9	6	1	72	1,203	8	2	3	13	1	2,334	428	2	13
TMW-2I	12.0 - 17.0	0	--	0	1	3	--	0	--	--	--	--	0	5	2	0	0
TMW-2I2	25.0 - 30.0	385	11	138	70	19	33	252	238	326	75	83	11	814	230	75	326
TMW-3I	12.0 - 17.0	18	94	167	44	3	13	63	24	0	7	59	3	167	48	0	59
TMW-3I2	25.0 - 30.0	0	--	501	0	11	3	0	79	62	0	0	0	733	150	0	79

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																	
		Sampling Date																	
		1992	1997		1998			1999				2000				2001			
		Sep	Jun	Aug	Mar/Apr	Jun	Dec	Mar	Jun	Sep	Oct/Nov	Feb	May	Sep	Nov/Dec	Mar	Jun	Sep	Dec
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	0	--	--	--	--	--	--	--	0	0	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	0	--	--	--	--	--	--	--	0	0	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	0	--	--	--	--	--	--	--	0	0	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-16A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-16B	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-18A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-18B	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-20A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-20B	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01S	4.0 -14.0	0	0	--	0	--	--	--	--	--	0	--	--	--	--	--	--	--	--
MW-01D	35.0 - 45.0	0	--	--	1	--	--	--	--	--	0	--	--	--	--	--	--	--	--
MW-02S/S-R	2.0 - 12.0	4,300	1,941	6,181	9,700	21,640	21,257	1,694	2,238	1,919	1,618	1,530	1,787	1,681	1,620	--	--	--	--
MW-02I/I-R	22.5 - 23.5	--	--	6,478	99	12	11	10	1	0	0	0	53	--	--	--	--	--	--

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																	
		Sampling Date																	
		1992	1997		1998			1999				2000				2001			
		Sep	Jun	Aug	Mar/Apr	Jun	Dec	Mar	Jun	Sep	Oct/Nov	Feb	May	Sep	Nov/Dec	Mar	Jun	Sep	Dec
MW-03	4.94 - 14.94	--	40	--	0	--	--	--	--	--	77	--	--	--	--	--	--	--	--
MW-04	5.1 - 15.1	--	4	--	99	--	--	--	--	--	0	--	--	--	--	--	--	--	--
MW-08W	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	2.0 - 10.0	--	--	--	--	861	222	142	298	469	62	290	389	--	178	265	363	159	156
MW-12W	2.0 - 10.0	--	0	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-13W	2.0 - 10.0	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	--	--	--	15,910	10,500	2,468	696	2,447	2,307	450	1,910	1,173	3,096	1,036	--	--	77	38,045
MW-16I	14.0 - 19.0	--	--	--	18	0	0	3	0	0	7	0	0	0	--	--	--	--	--
MW-17W	2.0 - 10.0	--	11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-24D	14.0 - 19.0	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	--	--	--	--	--	0	0	--	0	516	0	0	2	0	0	0	0	0
MW-29D	14.0 - 19.0	--	--	--	0	--	0	0	0	0	0	0	0	2	--	--	--	--	--
MW-30W/W-R	2.0 - 9.0	--	753	--	--	--	--	--	--	--	--	--	--	--	1,300	228	229	4	125
MW-32W/W-R	2.0 - 9.0	--	322	--	--	730	1,435	810	368	--	--	--	--	--	--	--	--	--	--
MW-34S	2.0 - 10.0	--	333	1,002	--	1,035	1,604	341	1,355	1,157	502	611	381	--	518	130	0	30	1
MW-34I	18.5 - 19.5	--	--	103	--	0	0	2	8	0	0	0	203	0	--	--	--	--	--
MW-34D	27.5 - 28.5	--	--	10	--	0	0	0	2	0	0	0	0	2	--	--	--	--	--
MW-34DD	27.5 - 28.5	--	--	--	--	0	--	--	0	--	--	--	--	--	--	--	--	--	--
MW-37W	2.0 - 10.0	--	0	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-39W	2.0 - 10.0	--	0	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-45W	2.0 - 10.0	--	170	--	330	--	--	--	--	--	--	--	--	781	10	1,676	11	0	6
MW-46W/W-R	2.0 - 10.0	--	1,482	--	4,156	--	--	--	--	--	--	--	--	2,141	228	0	21	--	--
MW-64	19.0 - 24.0	--	--	--	1	0	0	12	3	0	14	0	13	97	0	14	2	--	50
MW-65	11.0 - 16.0	--	--	--	17	--	--	--	--	3	--	9	34	8	13	34	4	--	228
MW-66S	1.5 - 11.5	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-66D	24.0 - 29.0	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-67S	2.5 - 12.5	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-67D	24 - 29 ft	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-68S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	1	0	0	3	0	0	0	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	1,720	84	2	1	0	4
MW-73	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-73I	22.0-27.0																		
MW-75	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	73
MW-75I	22.0-27.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-76	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																	
		Sampling Date																	
		1992	1997		1998			1999				2000				2001			
		Sep	Jun	Aug	Mar/Apr	Jun	Dec	Mar	Jun	Sep	Oct/Nov	Feb	May	Sep	Nov/Dec	Mar	Jun	Sep	Dec
MW-78	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-79	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-80	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-81	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-82	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-83	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-01S	5.0 - 15.0	--	2	--	--	--	--	--	--	--	64	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	--	167	24	0	--	262	36	5	79	245	274	81	115	105	242	39	2	84
MWBS-02I	14.5 - 15.5	--	--	27	485	696	0	640	8	0	0	11	258	3	261	576	513	122	3
MWBS-02D	24.5 - 25.5	--	--	1	47	--	254	0	0	0	237	0	0	0	--	--	--	--	--
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D2	31.0 - 36.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D3	41.0 - 46.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I3	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I4	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I2	35.0-40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																	
		Sampling Date																	
		1992	1997			1998		1999				2000				2001			
		Sep	Jun	Aug	Mar/Apr	Jun	Dec	Mar	Jun	Sep	Oct/Nov	Feb	May	Sep	Nov/Dec	Mar	Jun	Sep	Dec
OU3MW-11S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-13S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-14S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-15S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-16S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-22I/IP-15A	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-22I2/IP-15B	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-23I/IP-17B	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-23I2/IP-17A	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-24I/IP-19A	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-24I2/IP-19B	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-02	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-02I	22.0-27.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-02I2	35.0-40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-03	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-1I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-1I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-2I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-2I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-3I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-3I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																		
		Sampling Date																		
		2002						2003			2004				2005				2006	
		Jan/Feb	Mar	Apr/May	Jun/Jul	Aug/Sep	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	March	Jun
BBMW-09S	5.0 - 15.0	--	--	99	--	99	53	0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-09I	30.0 - 40.0	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-09D	62.0 - 72.0	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	68	0	--	--
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	--	--
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	170	120	37
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	786	625	0	0	937	91	350	0	0	0
IP-16A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-16B	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-18A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-18B	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-20A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-20B	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01S	4.0 -14.0	--	--	--	--	--	--	--	--	--	--	--	--	0	--	--	--	0	--	0
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
MW-02S/S-R	2.0 - 12.0	1,595	1,583	1,367	10,830	6,440	2,542	1,800	1,300	1,500	2,400	2060	254	0	14	0	0	0	0	0
MW-02I/I-R	22.5 - 23.5	--	--	--	--	--	--	--	--	0	0	--	--	--	0	--	--	--	0	--

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																		
		Sampling Date																		
		2002						2003			2004				2005				2006	
		Jan/Feb	Mar	Apr/May	Jun/Jul	Aug/Sep	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	March	Jun
MW-03	4.94 - 14.94	--	103	85	--	89	50	0	45	--	26	19	43	19	21	34	40	57	0	28
MW-04	5.1 - 15.1	--	--	90	--	99	--	0	53	--	0	0	0	0	0	0	0	0	0	0
MW-08W	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	2.0 - 10.0	--	246	--	225	145	22	21	35	11	0	1729	0	110	0	10	0	27	15	18
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-13W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	6,557	3,414	1,558	2,430	6,140	214	72	590	649	0	0	1,022	2,068	3,500	3,900	3,611	1,280	2,183	1,870
MW-16I	14.0 - 19.0	--	--	--	0	--	--	--	--	0	0	--	--	--	57	--	--	--	0	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-24D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	--	--	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-29D	14.0 - 19.0	--	--	--	0	--	--	--	--	--	0	--	--	0	--	--	--	0	--	--
MW-30W/W-R	2.0 - 9.0	--	55	--	0	8	2	--	--	--	--	--	--	--	0	0	0	0	0	0
MW-32W/W-R	2.0 - 9.0	--	--	--	--	--	--	--	11	130	0	0	370	877	55	59	0	180	110	89
MW-34S	2.0 - 10.0	--	0	--	85	0	22	27	130	30	160	130	49	210	212	52	67	110	461	397
MW-34I	18.5 - 19.5	--	--	--	22	--	--	--	--	--	496	--	--	--	290	--	--	--	0	--
MW-34D	27.5 - 28.5	--	--	--	0	--	--	--	0	96	0	--	--	--	0	--	--	--	0	--
MW-34DD	27.5 - 28.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-37W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-39W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-45W	2.0 - 10.0	--	--	52	2	64	0	--	49	38	170	699	65	341	723	180	424	561	895	74
MW-46W/W-R	2.0 - 10.0	--	--	--	--	--	380	690	264	160	647	150	589	443	1,048	972	1,200	1,045	544	50
MW-64	19.0 - 24.0	--	--	0	1	9	0	1,600	0	0	0	0	0	120	0	318	0	0	0	0
MW-65	11.0 - 16.0	--	--	0	0	0	38	0	65	0	37	0	0	502	0	0	0	0	0	0
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-67S	2.5 - 12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-67D	24 - 29 ft	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-68S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	--	7	--	4	3	0	200	18	32	18	46	260	0	0	170	556	57	91	0
MW-73	2.0 - 12.0	1,471	223	213	738	1,336	280	--	940	1,557	843	1,470	1,500	1,030	956	829	1,290	1,800	575	669
MW-73I	22.0-27.0																			
MW-75	2.0 - 12.0	153	93	100	2,553	2,863	58	0	1,700	1,490	60	0	387	0	22	1,350	2,890	384	100	56
MW-75I	22.0-27.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-76	2.0 - 12.0	142	105	101	116	115	58	--	15	120	0	0	0	0	47	0	0	0	14	0

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																		
		Sampling Date																		
		2002						2003			2004				2005				2006	
		Jan/Feb	Mar	Apr/May	Jun/Jul	Aug/Sep	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	March	Jun
MW-78	5.0 - 20.0	1,439	371	278	161	735	66	550	692	958	585	707	85	22	463	1,160	493	0	445	493
MW-79	5.0 - 20.0	--	120	106	6,015	2,911	234	2,000	1,100	1,380	2,000	0	1,200	661	1,400	790	522	104	281	103
MW-80	5.0 - 20.0	1,511	88	2,316	152	1,426	53	1,100	1,178	1,700	2,500	1,600	1,390	1,370	2,400	2,200	2,300	1,080	1,200	694
MW-81	5.0 - 20.0	--	118	129	2,345	1,382	101	780	2,100	1,611	1,714	696	1,112	1,100	1,700	100	1,210	434	487	274
MW-82	5.0 - 20.0	245	138	83	2,784	3,090	49	390	570	810	733	276	19	995	233	358	488	1,571	1,140	837
MW-83	5.0 - 20.0	116	98	108	108	180	180	0	14	29	0	0	0	76	140	0	150	25	0	0
MWBS-01S	5.0 - 15.0	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	--	164	--	0	0	0	0	18	24	160	75	25	0	150	41	0	0	0	0
MWBS-02I	14.5 - 15.5	--	4	--	2	8	0	0	--	--	0	0	0	0	0	0	0	0	0	0
MWBS-02D	24.5 - 25.5	--	--	--	0	--	--	0	--	--	64	--	--	--	0	--	--	--	16	--
MW-UST1	2.0 - 12.0	--	247	216	--	112	979	230	96	344	0	221	520	52	55	260	392	373	140	520
MW-UST2	2.0 - 12.0	--	263	330	--	101	53	140	357	227	0	297	500	353	621	373	361	208	265	457
MW-UST3	2.0 - 12.0	--	92	134	--	105	--	0	14	25	33	0	0	16	26	0	0	0	0	12
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D2	31.0 - 36.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D3	41.0 - 46.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I3	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I4	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09I2	35.0-40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-10I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																		
		Sampling Date																		
		2002						2003			2004				2005				2006	
		Jan/Feb	Mar	Apr/May	Jun/Jul	Aug/Sep	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	March	Jun
OU3MW-11S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-13S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-14S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-15S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-16S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-22I/IP-15A	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-22I2/IP-15B	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-23I/IP-17B	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-23I2/IP-17A	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-24I/IP-19A	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-24I2/IP-19B	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	1,538	1,432	1,431	--	--	2,188	13,000	0	0	0	0	0	71	0	0	0	0	0	0
PDMW-02	5.0 - 20.0	1,929	2,181	1,933	5,848	3,250	--	--	1,130	1,714	2,300	2,463	1,918	2,316	2,616	2,312	2,716	2,416	2,013	2,420
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	95	112	99	99	186	103	0	430	515	0	0	0	0	0	39	190	324	0	0
SV-02I	22.0-27.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-02I2	35.0-40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-03	2.0 - 12.0	332	95	108	297	279	49	190	280	548	536	272	150	130	80	33	0	0	96	57
TMW-1I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-1I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-2I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-2I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-3I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-3I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																	
		Sampling Date																	
		2006		2007				2008				2009				2010			
		Jul/Aug	Nov/Dec	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Aug-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-09I	30.0 - 40.0	--	--	150	--	0	--	0	--	--	--	0	--	--	--	0	--	--	--
BBMW-09D	62.0 - 72.0	--	--	0	--	0	--	0	--	--	--	0	--	--	--	0	--	--	--
BBMW-28S	2.0 - 12.0	--	--	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
BBMW-28I	10.0 - 20.0	--	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-29	2.0 - 9.0	0	0	0	252	0	0	0	0	5	0	0	0	0	0	0	0	0	0
BBMW-30S	2.0 - 10.0	--	--	--	0	0	0	0	--	--	--	0	--	--	0	0	0	0	0
BBMW-30I	14.0 - 19.0	--	--	--	0	4	0	0	--	--	--	0	--	--	3	0	0	0	0
BBMW-30D	30.0 - 35.0	--	--	--	0	0	0	0	--	--	--	0	--	--	0	0	0	0	0
BBMW-31S	2.0 - 10.0	--	--	--	0	0	0	0	--	--	--	0	--	--	0	0	0	0	0
BBMW-31I	14.0 - 19.0	--	--	--	0	4	0	0	--	--	--	0	--	--	0	2	0	12	0
BBMW-31D	30.0 - 35.0	--	--	--	0	0	0	0	--	--	--	0	--	--	0	0	0	0	0
BBMW-32S	2.0 - 10.0	--	--	--	0	1	1	0	--	--	--	0	--	--	3	0	0	0	1
BBMW-32I	14.0 - 19.0	--	--	--	0	0	0	0	--	--	--	0	--	--	0	0	0	0	0
BBMW-32D	30.0 - 35.0	--	--	--	0	0	0	0	--	--	--	0	--	--	0	0	0	0	0
BBMW-33	7.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BW-UST-10	5.0 - 10.0	--	0	0	0	69	0	0	0	0	0	0	0	0	0	0	0	0	0
BW-UST-11	5.0 - 10.0	--	0	0	0	68	0	2	1	0	0	0	0	0	0	0	0	0	0
BW-UST-28	5.0 - 10.0	--	--	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BW-UST-29	5.0 - 10.0	--	--	--	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	0	0	100	0	0	18	0	4	0	0	0	0	0	0	0	0	102	0
IP-16A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-16B	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-18A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-18B	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-20A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-20B	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01S	4.0 -14.0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
MW-01D	35.0 - 45.0	263	0	0	0	0	0	0	--	--	--	0	0	0		0	--	--	--
MW-02S/S-R	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	0	--	--	--	--	--	--
MW-02I/I-R	22.5 - 23.5	--	--	0	0	0	0	0	0	0	0	0	0	--	--	--	--	--	--

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																	
		Sampling Date																	
		2006		2007				2008				2009				2010			
		Jul/Aug	Nov/Dec	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Aug-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
MW-03	4.94 - 14.94	35	34	35	11	56	0	12	0	0	28	0	0	82	16	0	62	0	0
MW-04	5.1 - 15.1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-08W	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	2.0 - 10.0	0	19	0	0	5	1	2	0	0	0	0	0	0	1	0	0	0	0
MW-12W	2.0 - 10.0	--	--	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
MW-13W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	1,056	676	842	232	280	579	922	355	552	104	28	143	--	--	--	--	--	--
MW-16I	14.0 - 19.0	--	--	0	44	0	0	0	0	0	0	0	0	--	--	--	--	--	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-24D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	3	0	0	0	0	0	--	--	--	--	--	--
MW-29S	5.0 - 10.0	0	0	0	0	0	0	0	--	--	--	0	0	0	0	0	0	--	--
MW-29D	14.0 - 19.0	--	--	0	0	0	0	0	--	--	--	0	0	0	0	0	0	--	--
MW-30W/W-R	2.0 - 9.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-32W/W-R	2.0 - 9.0	98	100	97	45	47	105	123	38	12	0	3	6	4	4	0	0	0	0
MW-34S	2.0 - 10.0	210	140	150	68	110	402	81	186	51	42	83	105	17	0	15	14	49	702
MW-34I	18.5 - 19.5	--	--	0	0	0	124	12	0	0	0	0	0	0	0	0	0	247	0
MW-34D	27.5 - 28.5	--	--	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
MW-34DD	27.5 - 28.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-37W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-39W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-45W	2.0 - 10.0	40	233	0	0	10	9	0	0	0	0	10	153	60	0	2	0	1	0
MW-46W/W-R	2.0 - 10.0	233	192	37	71	47	74	102	24	0	39	39	60	31	10	19	3	173	168
MW-64	19.0 - 24.0	0	0	0	0	0	0	0	0	0	0	0	9	3	0	0	0	284	806
MW-65	11.0 - 16.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-66S	1.5 - 11.5	--	--	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
MW-66D	24.0 - 29.0	--	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-67S	2.5 - 12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-67D	24 - 29 ft	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-68S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	0	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	11	13	0	0	10	13	39	25	96	22	14	8	13	0	25	2	102	179
MW-73	2.0 - 12.0	1,100	545	497	345	495	1,189	444	105	1	0	97	1,308	1,295	480	588	1,169	234	19
MW-73I	22.0-27.0																		
MW-75	2.0 - 12.0	55	0	0	0	180	47	0	0	1,024	0	1	101	1,667	30	38	0	2,178	435
MW-75I	22.0-27.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-76	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																	
		Sampling Date																	
		2006		2007				2008				2009				2010			
		Jul/Aug	Nov/Dec	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Aug-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
MW-78	5.0 - 20.0	616	0	0	46	40	31	0	0	0	0	0	191	0	0	0	--	0	36
MW-79	5.0 - 20.0	41	0	140	0	0	0	90	1	6	0	13	0	0	3	0	0	0	675
MW-80	5.0 - 20.0	258	1,480	831	601	884	1,173	277	509	790	701	522	568	79	467	11	321	841	677
MW-81	5.0 - 20.0	2,700	807	1,068	448	1,130	1,508	480	0	50	4	19	0	0	1,306	59	697	547	236
MW-82	5.0 - 20.0	1,137	150	234	286	127	306	0	1	0	448	0	0	2	72	0	48	33	209
MW-83	5.0 - 20.0	230	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	0	0	0	0	0	0	0	7	0	0	3	1	7	13	122	45	33	0
MWBS-02I	14.5 - 15.5	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MWBS-02D	24.5 - 25.5	--	--	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-UST1	2.0 - 12.0	541	260	358	363	239	140	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST2	2.0 - 12.0	227	120	155	59	450	550	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST3	2.0 - 12.0	0	0	0	0	0	0	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--	2	0	0	0	0	0
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	6	0	0
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--	19	21	0	0	0	8
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--	--	9	0	0	30	44	0
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0
OU3MW-04D2	31.0 - 36.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D3	41.0 - 46.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	10	0
OU3MW-07S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	527	36	13	5
OU3MW-07I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0
OU3MW-07I2	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0
OU3MW-07I3	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07I4	35.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-08S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	297
OU3MW-08I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
OU3MW-09S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	345
OU3MW-09I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,453
OU3MW-09I2	35.0-40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OU3MW-10S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	417
OU3MW-10I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																	
		Sampling Date																	
		2006		2007				2008				2009				2010			
		Jul/Aug	Nov/Dec	March	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Aug-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU3MW-11S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
OU3MW-11I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
OU3MW-12S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
OU3MW-12I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
OU3MW-13S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-14S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-15S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-16S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-22I/IP-15A	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-22I2/IP-15B	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-23I/IP-17B	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-23I2/IP-17A	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-24I/IP-19A	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-24I2/IP-19B	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-01	5.0 - 20.0	0	0	0	0	0	1,464	0	0	2	0	0	0	--	0	0	0	0	0
PDMW-02	5.0 - 20.0	2,119	3,022	2,716	2,520	1,241	1,976	3,025	2,226	1,934	1,950	2,797	3,206	--	--	--	--	--	--
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	1,721	1,619	2,100	2,108	--	--	--	--	--	--
SV-02	2.0 - 12.0	35	0	0	0	133	0	0	3	0	0	0	0	669	0	0	0	770	0
SV-02I	22.0-27.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-02I2	35.0-40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-03	2.0 - 12.0	0	0	17	0	31	72	17	0	0	0	0	0	1	0	0	0	0	1
TMW-1I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-1I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-2I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-2I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-3I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-3I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																	
		Sampling Date																	
		2011				2012				2013				2014				2015	
		Mar-Apr	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
BBMW-09S	5.0 - 15.0	1	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-09I	30.0 - 40.0	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-09D	62.0 - 72.0	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28S	2.0 - 12.0	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-28I	10.0 - 20.0	0	7	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-29	2.0 - 9.0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
BBMW-30S	2.0 - 10.0	0	0	0	0	4	0	0	--	0	0	--	--	--	0	--	--	--	--
BBMW-30I	14.0 - 19.0	0	0	0	0	0	1	5	--	0	0	--	--	--	3	--	--	--	--
BBMW-30D	30.0 - 35.0	0	0	0	0	0	0	2	--	0	0	--	--	--	0	--	--	--	--
BBMW-31S	2.0 - 10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
BBMW-31I	14.0 - 19.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BBMW-31D	30.0 - 35.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
BBMW-32S	2.0 - 10.0	0	0	0	0	0	0	0	--	0	0	--	--	--	0	--	--	--	--
BBMW-32I	14.0 - 19.0	0	0	0	0	0	0	0	--	0	0	--	--	--	0	--	--	--	--
BBMW-32D	30.0 - 35.0	0	0	0	0	0	0	0	--	0	0	--	--	--	0	--	--	--	--
BBMW-33	7.0 - 12.0	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BW-UST-10	5.0 - 10.0	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-11	5.0 - 10.0	0	--	--	--	16	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-28	5.0 - 10.0	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	992	1,285	682	689	704	876	0	0	0	0	0	4	0	0	0	0	0	0
IP-16A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-16B	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-18A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-18B	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-20A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-20B	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01S	4.0 -14.0	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01D	35.0 - 45.0	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02S/S-R	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02I/I-R	22.5 - 23.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																	
		Sampling Date																	
		2011				2012				2013				2014				2015	
		Mar-Apr	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
MW-03	4.94 - 14.94	3	--	--	--	6	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-04	5.1 - 15.1	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-08W	5.0 - 10.0	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	2.0 - 10.0	0	0	0	1	2	8	37	38	3	0	0	--	2	0	0	0	0	0
MW-12W	2.0 - 10.0	0	0	0	0	0	47	0	0	7	52	0	0	0	0	0	0	0	0
MW-13W	2.0 - 10.0	--	0	0		0	--	--	--	--	0	0	0	0	0	0	0	0	0
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-24D	14.0 - 19.0	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29D	14.0 - 19.0	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-30W/W-R	2.0 - 9.0	0	0	0	0	0	1	0	--	0	0	0	0	0	0	0	0	0	0
MW-32W/W-R	2.0 - 9.0	0	0	29	39	14	3	0	16	0	0	0	0	0	0	0	2	0	0
MW-34S	2.0 - 10.0	112	78	229	179	284	196	120	134	0	0	0	0	0	0	0	0	0	0
MW-34I	18.5 - 19.5	150	234	832	598	869	696	8	23	0	7	1	0	26	0	0	0	0	0
MW-34D	27.5 - 28.5	0	0	306	290	40	281	82	0	0	11	0	37	0	0	0	0	0	0
MW-34DD	27.5 - 28.5	--	--	--	--	0	--	--	0	--	0	0	0	0	0	0	0	0	0
MW-37W	2.0 - 10.0	--	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
MW-39W	2.0 - 10.0	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-45W	2.0 - 10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MW-46W/W-R	2.0 - 10.0	195	103	92	51	27	95	3	1	0	0	0	2	0	0	0	0	0	0
MW-64	19.0 - 24.0	1,067	995	1,183	516	500	2,199	2,168	1,134	648	370	267	0	598	193	22	563	39	4
MW-65	11.0 - 16.0	0	0	0	1,415	1,268	299	208	201	76	3	20	57	24	22	23	20	27	1
MW-66S	1.5 - 11.5	0	0	0	0	0	0	0	--	0	0	--	0	0	0	0	0	--	0
MW-66D	24.0 - 29.0	0	0	0	0	0	0	0	--	0	0	--	0	0	0	0	0	--	0
MW-67S	2.5 - 12.5	--	--	--	--	0	--	--	--	--	0	--	0	0	0	0	0	1	0
MW-67D	24 - 29 ft	--	--	--	--	0	--	--	--	--	0	--	0	0	0	0	0	0	0
MW-68S	15.0 - 20.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0	0
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0	0
MW-70/70S	2.0 - 12.0	182	222	319	257	295	243	264	40	1	0	0	1	0	0	0	0	0	0
MW-73	2.0 - 12.0	37	190	175	171	16	183	123	89	31	92	5	0	0	0	0	0	0	0
MW-73I	22.0-27.0	--	--	698	131	96	134	120	130	80	95	124	0	0	0	0	2	0	0
MW-75	2.0 - 12.0	0	0	765	10	0	0	395	114	1	0	0	0	0	0	0	0	0	0
MW-75I	22.0-27.0	--	--	656	656	3,289	469	670	837	230	105	176	8	10	3	0	0	0	0
MW-76	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																	
		Sampling Date																	
		2011				2012				2013				2014				2015	
		Mar-Apr	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
MW-78	5.0 - 20.0	58	0	37	155	264	1	527	476	176	744	743	4	0	0	3	0	0	0
MW-79	5.0 - 20.0	32	0	623	6	443	5	1,206	838	246	894	474	0	2	0	0	0	0	0
MW-80	5.0 - 20.0	215	0	640	14	79	487	229	275	223	121	188	0	11	0	24	0	0	6
MW-81	5.0 - 20.0	86	0	463	5	126	563	850	784	27	107	205	0	0	0	0	0	0	0
MW-82	5.0 - 20.0	50	0	326	182	522	319	0	341	74	74	180	0	0	0	0	0	0	0
MW-83	5.0 - 20.0	11	7	23	0	242	249	5	78	0	6	0	0	7	3	7	24	0	0
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	0	0	0	0	88	31	2	0	0	0	0	0	0	0	0	0	0	0
MWBS-02I	14.5 - 15.5	0	0	0	0	5	5	14	14	0	0	0	8	0	0	0	0	0	15
MWBS-02D	24.5 - 25.5	0	0	0	0	0	174	160	3	0	0	0	0	0	0	0	0	0	0
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-01S	3.0 - 13.0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-02S	3.0 - 13.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-02I	15.0 - 20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-03S	1.0 - 11.0	34	160	17	100	110	35	28	12	19	0	0	0	0	0	0	0	0	0
OU3MW-03I	20.0 - 25.0	40	57	368	33	13	28	252	21	0	611	5	209	1	0	0	0	0	0
OU3MW-04S	1.0 - 11.0	69	25	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-04I	16.0 - 21.0	0	2	24	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-04D	26.0 - 31.0	0	0	32	690	297	134	804	402	0	26	0	0	0	0	0	0	0	0
OU3MW-04D2	31.0 - 36.0	--	--	--	--	0	6	195	126	0	1	0	0	0	0	0	0	0	0
OU3MW-04D3	41.0 - 46.0	--	--	--	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-05S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
OU3MW-05I	15.0 - 20.0	6	12	0	0	0	0	3	7	10	156	29	0	0	0	0	0	0	0
OU3MW-06	3.0 - 13.0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-07S	3.0 - 13.0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-07I	15.0 - 20.0	73	21	0	0	0	77	1	86	0	0	0	0	0	0	0	0	0	0
OU3MW-07I2	20.0 - 25.0	91	654	695	257	1,020	517	6	5	1	1	79	0	0	0	0	0	0	0
OU3MW-07I3	25.0 - 30.0	--	--	--	--	1,800	0	3	0	0	3	0	0	0	0	0	0	3	0
OU3MW-07I4	35.0 - 40.0	--	--	--	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-08S	2.0-12.0	449	0	855	0	376	360	206	153	397	28	285	468	383	247	217	155	227	0
OU3MW-08I	25.0-30.0	0	0	0	0	0	2	0	--	--	0	--	--	--	0	--	--	--	--
OU3MW-09S	2.0-12.0	0	0	61	3	0	0	4	8	0	0	0	0	0	0	0	0	0	0
OU3MW-09I	25.0-30.0	1,528	1,207	1,765	1,973	1,263	331	259	525	267	283	184	121	123	55	101	154	308	60
OU3MW-09I2	35.0-40.0	--	--	0	2	3	2	4	2	2	9	2	2	1	1	0	1	2	1
OU3MW-10S	2.0-12.0	240	225	123	0	42	51	16	3	0	0	0	0	0	0	--	--	--	--
OU3MW-10I	25.0-30.0	0	0	0	30	116	28	85	79	0	120	121	105	97	132	44	48	102	62

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																	
		Sampling Date																	
		2011				2012				2013				2014				2015	
		Mar-Apr	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
OU3MW-11S	2.0-12.0	0	0	0	0	2	0	0	--	--	0	--	--	--	4	--	--	--	--
OU3MW-11I	25.0-30.0	0	0	0	0	0	0	0	--	--	0	--	--	--	0	--	--	--	--
OU3MW-12S	2.0-12.0	0	0	0	0	0	0	0	--	--	0	--	--	--	0	--	--	--	--
OU3MW-12I	25.0-30.0	0	0	0	0	0	0	0	--	--	0	--	--	--	0	--	--	--	--
OU3MW-13S	2.0-12.0	--	--	117	55	1,244	13	268	720	600	662	262	0	0	89	0	0	77	5
OU3MW-14S	2.0-12.0	--	--	785	579	641	660	612	661	413	380	778	3	2	0	0	0	0	0
OU3MW-15S	2.0-12.0	--	--	377	113	19	0	277	260	4	12	282	3	0	0	0	0	0	0
OU3MW-16S	2.0-12.0	--	--	9	110	140	220	191	120	263	161	0	8	61	94	334	486	204	45
OU3MW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OU3MW-17I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OU3MW-17I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0	0	0
OU3MW-18I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	52	2	1	0	0	0	0	0	0
OU3MW-18I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	3	0	0	0	0	0	0	0	0
OU3MW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	640	1,004	308	--	716	27	48	73
OU3MW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	17	61	0	--	0	4	17	2
OU3MW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	0	0	0	--	0	0	0	0
OU3MW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	23	11	1	2	4	11	0	0
OU3MW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	310	421	3	0	0	0	0	0
OU3MW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	0	6	0	0	102	2	0	0
OU3MW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0	0
OU3MW-21I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0	0	0
OU3MW-21I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	0	14	0	0	0	0	0	0
OU3MW-22I/IP-15A	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	379
OU3MW-22I2/IP-15B	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3
OU3MW-23I/IP-17B	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	388
OU3MW-23I2/IP-17A	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	132
OU3MW-24I/IP-19A	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	165
OU3MW-24I2/IP-19B	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	300
PDMW-01	5.0 - 20.0	0	4	0	0	0	0	0	--	--	0	--	--	--	0	--	--	--	--
PDMW-02	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	0	0	6	1	1	0	9	0	0	0	0	0	0	0	0	0	0	0
SV-02I	22.0-27.0	--	--	1,075	133	104	618	626	1,688	386	68	51	3	0	0	109	23	0	0
SV-02I2	35.0-40.0	--	--	0	0	0	5	5	0	0	0	0	0	0	0	0	0	0	6
SV-03	2.0 - 12.0	0	0	0	6	11	17	39	8	6	1	6	5	0	0	1	3	0	0
TMW-1I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-1I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-2I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-2I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-3I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-3I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																	
		Sampling Date																	
		2015		2016				2017				2018				2019			
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28S	2.0 - 12.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-28I	10.0 - 20.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-29	2.0 - 9.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31S	2.0 - 10.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31I	14.0 - 19.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-31D	30.0 - 35.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BBMW-33	7.0 - 12.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IO-10	6.0 - 16.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IP-16A	14.0 - 15.0	1	0	0	0	4	0	0	0	0	0	--	0	--	--	--	0	--	0
IP-16B	24.0 -25.0	43	2	0	16	0	0	0	5	0	--	--	6.3	--	--	--	0	--	0
IP-18A	14.0 - 15.0	0	0	0	0	0	0	--	0	--	--	--	0	--	--	--	--	--	--
IP-18B	24.0 -25.0	0	0	0	0	12	0	0	0	--	--	--	0	--	--	--	--	--	--
IP-20A	14.0 - 15.0	17	0	0	284	5	0	0	2	0	0	0	64	0	0	0	0	--	0
IP-20B	24.0 -25.0	95	0	220	27	0	0	26	41	0	0	0	2.6	0	--	--	0	--	--
MW-01S	4.0 -14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02S/S-R	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-02I/I-R	22.5 - 23.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																	
		Sampling Date																	
		2015		2016				2017				2018				2019			
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
MW-03	4.94 - 14.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-04	5.1 - 15.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-08W	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11W	2.0 - 10.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-12W	2.0 - 10.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-13W	2.0 - 10.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16SR	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-24D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-30W/W-R	2.0 - 9.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-32W/W-R	2.0 - 9.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-34S	2.0 - 10.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-34I	18.5 - 19.5	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-34D	27.5 - 28.5	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-34DD	27.5 - 28.5	--	--	--	12	--	--	--	--	0	--	--	0	--	--	--	--	--	--
MW-37W	2.0 - 10.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-39W	2.0 - 10.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-45W	2.0 - 10.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-46W/W-R	2.0 - 10.0	--	--	--	11	--	--	--	--	--	--	--	0	--	--	--	--	--	--
MW-64	19.0 - 24.0	312	0	0	4	0	0	15	6	1	0	8	0	11	172	0	0	0	147
MW-65	11.0 - 16.0	10	0	14	8	--	--	--	--	0	0	--	11	--	0	0	0	4	0
MW-66S	1.5 - 11.5	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-66D	24.0 - 29.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-67S	2.5 - 12.5	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-67D	24 - 29 ft	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-68S	15.0 - 20.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-68D	25.0 - 30.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-70/70S	2.0 - 12.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-73	2.0 - 12.0	0	0	0	0	0	0	0	0	0	--	--	0	--	--	--	0	--	--
MW-73I	22.0-27.0	0	0	0	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
MW-75	2.0 - 12.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-75I	22.0-27.0	0	--	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
MW-76	2.0 - 12.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																	
		Sampling Date																	
		2015		2016				2017				2018				2019			
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
MW-78	5.0 - 20.0	0	0	0	0	0	0	0	2	0	0	0	0	0	--	--	0	--	--
MW-79	5.0 - 20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	--	0	--	--
MW-80	5.0 - 20.0	56	0	0	0	0	0	0	0	0	0	--	0	--	--	--	0	--	--
MW-81	5.0 - 20.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-82	5.0 - 20.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-83	5.0 - 20.0	2	5	0	8	--	--	--	--	--	--	--	--	--	--	0	0	0	0
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02S	5.0 - 15.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MWBS-02I	14.5 - 15.5	--	--	--	0	--	--	--	--	--	--	--	0	--	--	--	--	--	--
MWBS-02D	24.5 - 25.5	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-01S	3.0 - 13.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02S	3.0 - 13.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-02I	15.0 - 20.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03S	1.0 - 11.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-03I	20.0 - 25.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04S	1.0 - 11.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04I	16.0 - 21.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D	26.0 - 31.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D2	31.0 - 36.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-04D3	41.0 - 46.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05S	2.0 - 12.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-05I	15.0 - 20.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-06	3.0 - 13.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-07S	3.0 - 13.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-07I	15.0 - 20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-07I2	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-07I3	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-07I4	35.0 - 40.0	0	--	0	0	0	0	0	0	0	2	2	0	0	0	0	2	0	0
OU3MW-08S	2.0-12.0	194	195	61	71	323	123	121	82	237	47	10	0	0	10	144	0	0	115
OU3MW-08I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-09S	2.0-12.0	0	0	0	0	0	0	0	0	--	--	--	0	--	--	--	--	--	--
OU3MW-09I	25.0-30.0	121	184	57	256	135	150	132	214	143	242	204	84.3	224	82	109	88	101	174
OU3MW-09I2	35.0-40.0	0	--	--	0	--	--	--	2	--	--	--	--	--	--	--	--	--	--
OU3MW-10S	2.0-12.0	--	--	--	--	--	--	--	0	--	--	--	--	--	--	--	--	--	--
OU3MW-10I	25.0-30.0	29	12	56	--	14	3	9	22	4	4	88	14	0	24	73	2	0	2

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																	
		Sampling Date																	
		2015		2016				2017				2018				2019			
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
OU3MW-11S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-11I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-12I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-13S	2.0-12.0	0	0	0	0	0	22	0	0	0	3	0	0	0	0	0	0	--	--
OU3MW-14S	2.0-12.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-15S	2.0-12.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-16S	2.0-12.0	8	211	142	261	122	55	72	121	0	34	11	34	0	98	18	64	35	66
OU3MW-17S	2.0 - 12.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I	15.0 - 20.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-17I2	25.0 - 30.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I	15.0 - 20.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-18I2	25.0 - 30.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-19S	2.0 - 12.0	59	29	20	33	11	0	7	7	1	0	0	0	0	0	0	0	2	0
OU3MW-19I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-19I2	30.0 - 35.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-20S	2.0 - 12.0	6	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
OU3MW-20I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-20I2	30.0 - 35.0	0	0	0	0	0	0	0	0	4	0	0	0	468	0	0	0	0	167
OU3MW-21S	2.0 - 12.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21I	15.0 - 20.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-21I2	25.0 - 30.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OU3MW-22I/IP-15A	10.0 - 15.0	22	0	0	0	0	0	0	0	--	--	--	0	--	--	--	0	--	--
OU3MW-22I2/IP-15B	25.0 - 30.0	0	0	0	0	0	0	--	0	--	--	--	0	--	--	--	--	--	--
OU3MW-23I/IP-17B	10.0 - 15.0	42	179	19	36	63	4	29	4	5	28	0	0	2	1	0	0	0	0
OU3MW-23I2/IP-17A	25.0 - 30.0	21	12	0	--	0	0	0	0	2	0	0	0	0	0	--	0	--	--
OU3MW-24I/IP-19A	10.0 - 15.0	1	1	3	2	1	0	0	0	0	3	0	0	0	0	0	0	--	--
OU3MW-24I2/IP-19B	25.0 - 30.0	255	0	16	0	18	0	0	0	0	0	2	0	0	0	0	0	0	66
PDMW-01	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-02	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SV-02	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	0	--	--	--	--	--	--	--
SV-02I	22.0-27.0	6	1	0	0	0	0	0	--	--	0	--	0	--	--	--	--	--	--
SV-02I2	35.0-40.0	--	--	--	0	--	--	--	0	--	--	--	--	--	--	--	--	--	--
SV-03	2.0 - 12.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TMW-1I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	34	0
TMW-1I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	318	11
TMW-2I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0
TMW-2I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	157	64
TMW-3I	12.0 - 17.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0	18
TMW-3I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	56	0

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																
		Sampling Date												Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2020			2021				2022				2023					
		Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
BBMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	99	7	0	0
BBMW-09I	30.0 - 40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	150	17	0	0
BBMW-09D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
BBMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	68	2	0	0
BBMW-28I	10.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	7	0	0	0
BBMW-29	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	252	14	0	0
BBMW-30S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	4	0	0	0
BBMW-30I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	5	1	0	0
BBMW-30D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	2	0	0	0
BBMW-31S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	1	0	0	0
BBMW-31I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	12	1	0	0
BBMW-31D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	2	0	0	0
BBMW-32S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	3	0	0	0
BBMW-32I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
BBMW-32D	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
BBMW-33	7.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
BW-UST-10	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	69	4	0	0
BW-UST-11	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	68	5	0	0
BW-UST-28	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
BW-UST-29	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	3	0	0	0
GM-02AS	8.91 - 23.91	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
GM-02AI	35.24 - 50.24	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
GM-02AD	59.8 - 74.8	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
IO-10	6.0 - 16.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	1,285	175	0	0
IP-16A	14.0 - 15.0	0	0	0	0	0	0	--	--	1	--	--	--	0	0	4	0	0	0
IP-16B	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	43	6	0	0
IP-18A	14.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
IP-18B	24.0 -25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	12	1	0	0
IP-20A	14.0 - 15.0	0	0	0	0	0	0	--	--	0	--	--	--	0	0	284	15	0	0
IP-20B	24.0 -25.0	--	93	--	1	0	130	0	6	0	134	0	72	74	0	220	31	0	134
MW-01S	4.0 -14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	1	0	0	0
MW-01D	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	263	16	0	0
MW-02S/S-R	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	21,640	2,517	0	0
MW-02I/I-R	22.5 - 23.5	--	--	--	--	--	--	--	--	--	--	--	--	--	0	6,478	278	0	0

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																
		Sampling Date												Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2020			2021				2022				2023					
		Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
MW-03	4.94 - 14.94	--	--	--	--	--	--	--	--	--	--	--	--	--	0	103	30	0	0
MW-04	5.1 - 15.1	--	--	--	--	--	--	--	--	--	--	--	--	--	0	99	9	0	0
MW-08W	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
MW-11W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	861	75	0	0
MW-12W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	52	3	0	0
MW-13W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
MW-16W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	3	3	3	0	0
MW-16SR	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	38,045	2,885	0	0
MW-16I	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	57	5	0	0
MW-17W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	11	11	11	0	0
MW-24D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	1	0	0	0
MW-26D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	3	1	0	0
MW-29S	5.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	516	12	0	0
MW-29D	14.0 - 19.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	2	0	0	0
MW-30W/W-R	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	1,300	52	0	0
MW-32W/W-R	2.0 - 9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	1,435	117	0	0
MW-34S	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	1,604	217	0	0
MW-34I	18.5 - 19.5	--	--	--	--	--	--	--	--	--	--	--	--	--	0	869	101	0	0
MW-34D	27.5 - 28.5	--	--	--	--	--	--	--	--	--	--	--	--	--	0	306	23	0	0
MW-34DD	27.5 - 28.5	--	--	--	--	--	--	--	--	--	--	--	--	--	0	12	1	0	0
MW-37W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	3	0	0	0
MW-39W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
MW-45W	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	1,676	119	0	0
MW-46W/W-R	2.0 - 10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	4,156	312	0	0
MW-64	19.0 - 24.0	0	7	103	0	0	12	0	4	0	0	0	9	44	0	2,199	177	0	44
MW-65	11.0 - 16.0	2	0	0	0	3	--	0	0	12	30	0	0	0	0	1,415	58	0	30
MW-66S	1.5 - 11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	0	1	0	0	0
MW-66D	24.0 - 29.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	2	0	0	0
MW-67S	2.5 - 12.5	--	--	--	--	--	--	--	--	--	--	--	--	--	0	1	0	0	0
MW-67D	24 - 29 ft	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
MW-68S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
MW-68D	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	3	0	0	0
MW-70/70S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	1,720	94	0	0
MW-73	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	1,800	442	0	0
MW-73I	22.0-27.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	698	77	0	0
MW-75	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	2,890	375	0	0
MW-75I	22.0-27.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	3,289	374	0	0
MW-76	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	142	15	0	0

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																
		Sampling Date												Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2020			2021				2022				2023					
		Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
MW-78	5.0 - 20.0	--	0	--	--	--	--	--	--	--	--	--	--	--	0	1,439	201	0	0
MW-79	5.0 - 20.0	--	0	--	--	--	--	--	--	--	--	--	--	--	0	6,015	386	0	0
MW-80	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	2,500	594	0	0
MW-81	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	2,700	576	0	0
MW-82	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	3,090	356	0	0
MW-83	5.0 - 20.0	0	0	0	0	0	--	0	0	1	0	--	--	0	0	249	30	0	0
MWBS-01S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	64	22	0	0
MWBS-02S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	274	40	0	0
MWBS-02I	14.5 - 15.5	--	--	--	--	--	--	--	--	--	--	--	--	--	0	696	53	0	0
MWBS-02D	24.5 - 25.5	--	--	--	--	--	--	--	--	--	--	--	--	--	0	254	20	0	0
MW-UST1	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	979	289	0	0
MW-UST2	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	621	281	0	0
MW-UST3	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	134	21	0	0
OU3MW-01S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	1	0	0	0
OU3MW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU3MW-02I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU3MW-03S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	160	21	0	0
OU3MW-03I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	611	66	0	0
OU3MW-04S	1.0 - 11.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	69	6	0	0
OU3MW-04I	16.0 - 21.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	44	5	0	0
OU3MW-04D	26.0 - 31.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	804	95	0	0
OU3MW-04D2	31.0 - 36.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	195	22	0	0
OU3MW-04D3	41.0 - 46.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU3MW-05S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	1	0	0	0
OU3MW-05I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	156	9	0	0
OU3MW-06	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	10	1	0	0
OU3MW-07S	3.0 - 13.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	527	12	0	0
OU3MW-07I	15.0 - 20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86	5	0	0
OU3MW-07I2	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1,020	68	0	1
OU3MW-07I3	25.0 - 30.0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1,800	44	0	0
OU3MW-07I4	35.0 - 40.0	0	9	0	10	0	0	0	2	0	0	0	0	0	0	10	1	0	0
OU3MW-08S	2.0-12.0	7	499	25	10	52	222	81	173	155	38	0	24	354	0	855	175	0	354
OU3MW-08I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	2	0	0	0
OU3MW-09S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	345	15	0	0
OU3MW-09I	25.0-30.0	71	15	14	0	1	3	4	3	4	23	3	4	11	0	1,973	321	3	23
OU3MW-09I2	35.0-40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	9	2	0	0
OU3MW-10S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	417	70	0	0
OU3MW-10I	25.0-30.0	30	0	0	17	0	2	2	1	4	12	3	20	2	0	132	35	2	20

Table 4-12. OU-3 Summary of Historical Total BTEX Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentrations (µg/L)																
		Sampling Date												Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2020			2021				2022				2023					
		Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
OU3MW-11S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	4	1	0	0
OU3MW-11I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU3MW-12S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU3MW-12I	25.0-30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU3MW-13S	2.0-12.0	--	0	--	--	0	0	--	0	0	0	0	0	--	0	1,244	112	0	0
OU3MW-14S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	785	324	0	0
OU3MW-15S	2.0-12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	377	79	0	0
OU3MW-16S	2.0-12.0	7	51	0	6	0	0	1	7	3	2	0	7	1	0	486	90	0	7
OU3MW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU3MW-17I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU3MW-17I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU3MW-18I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	52	6	0	0
OU3MW-18I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	3	0	0	0
OU3MW-19S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,004	88	0	0
OU3MW-19I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	3	0	0
OU3MW-19I2	30.0 - 35.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OU3MW-20S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	2	0	0
OU3MW-20I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	421	21	0	1
OU3MW-20I2	30.0 - 35.0	9	0	0	0	68	0	0	0	95	0	0	0	0	0	468	26	0	0
OU3MW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU3MW-21I	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
OU3MW-21I2	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	14	2	0	0
OU3MW-22I/IP-15A	10.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	379	36	0	0
OU3MW-22I2/IP-15B	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	3	0	0	0
OU3MW-23I/IP-17B	10.0 - 15.0	0	0	--	--	0	1	--	0	0	0	0	0	0	0	388	32	0	0
OU3MW-23I2/IP-17A	25.0 - 30.0	--	0	--	--	--	--	--	--	--	--	--	--	--	0	132	10	0	0
OU3MW-24I/IP-19A	10.0 - 15.0	--	0	--	--	0	0	--	--	--	--	--	--	--	0	165	9	0	0
OU3MW-24I2/IP-19B	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	300	23	0	1
PDMW-01	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	13,000	491	0	0
PDMW-02	5.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	1,130	5,848	2,421	0	0
PDMW-03	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	1,619	2,108	1,887	0	0
SV-02	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	770	68	0	0
SV-02I	22.0-27.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	1,688	196	0	0
SV-02I2	35.0-40.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	6	1	0	0
SV-03	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	548	67	0	0
TMW-1I	12.0 - 17.0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	34	4	0	0
TMW-1I2	25.0 - 30.0	0	0	0	0	5	2	0	9	37	0	0	5	0	0	318	35	0	5
TMW-2I	12.0 - 17.0	0	0	0	--	0	0	0	--	0	--	--	--	--	0	0	0	0	0
TMW-2I2	25.0 - 30.0	25	--	101	10	17	55	1	0	38	3	185	33	4	0	157	47	3	185
TMW-3I	12.0 - 17.0	0	--	0	77	14	5	0	9	10	0	0	4	13	0	77	13	0	13
TMW-3I2	25.0 - 30.0	21	0	0	--	0	0	0	1	0	8	23	0	0	0	56	8	0	23

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-13. OU-3 Summary of Expanded Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

				Operable Unit Area	Upgradient Area (Brightwaters Yard)								
				Aquifer Zone	Shallow								
				Operable Unit	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3
				Sample Name	OU3MW-08S	DUP-03	OU3MW-08S	OU3MW-08S	OU3MW-08S	OU3MW-16S	OU3MW-16S	OU3MW-16S	OU3MW-16S
				Start Depth	2	2	2	2	2	2	2	2	2
				End Depth	12	12	12	12	12	12	12	12	12
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample Date	7/27/2022	7/27/2022	11/18/2022	1/17/2023	5/31/2023	7/27/2022	11/18/2022	1/17/2023	5/31/2023
				Parent Sample Code		OU3MW-08S							
				Validation Level	Level 2	Level 2	Level 2			Level 2	Level 2		
Analyte		Units	CAS no.	NYS AWQS									
BTEX		µg/L											
	Benzene		71-43-2	1	**270**	**290**	**55**	**87**	**180**	**1.5**	**4.5**	**5.2**	**3.6**
	Toluene		108-88-3	5	**4.7 J**	**5.9**	**140**	**7.2**	**180**	1 U	1 U	1 U	1 U
	Ethylbenzene		100-41-4	5	**930**	**1,000**	**460**	**390**	**790**	**2**	**11**	**22**	**6.6**
	Total Xylene		1330-20-7	5	**830**	**880**	**740**	**74**	**880**	**1.2**	**1.2 J**	**1.8 J**	2 U
	Total BTEX		TBTEX_ND0	NE	**2,035**	**2,176**	**1,395**	**558**	**2,030**	**5**	**17**	**29**	**10.2**
PAH17		µg/L											
	Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	2-Methylnaphthalene		91-57-6	NE	**1.9 J**	**2.4 J**	10 U	**0.6 J**	**14**	10 U	10 U	10 U	10 U
	Naphthalene		91-20-3	10*	**36**	**29**	2 U	**23**	**340**	**2.1**	2 U	**6.8**	**0.9 J**
	Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Total PAH (17)		TPAH17_ND0	NE	**38**	**31**	ND	**24**	**354**	**2.1**	ND	**6.8**	**0.9**

Table 4-13. OU-3 Summary of Expanded Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

				Operable Unit Area	Upgradient Area (Brightwaters Yard)								Sheeting Cell Areas (Southern Brightwaters Yard and LIRR ROW)	
				Aquifer Zone	Intermediate									
				Operable Unit	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3
				Sample Name	OU3MW-09I	OU3MW-09I	OU3MW-09I	OU3MW-09I	OU3MW-10I	OU3MW-10I	OU3MW-10I	OU3MW-10I	IP-16A	DUP-08
				Start Depth	25	25	25	25	25	25	25	25	14	14
				End Depth	30	30	30	30	30	30	30	30	15	15
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample Date	7/27/2022	11/18/2022	1/17/2023	5/31/2023	7/27/2022	11/21/2022	1/17/2023	5/31/2023	6/29/2023	6/29/2023
				Parent Sample Code										IP-16A
				Validation Level	Level 2	Level 2			Level 2	Level 2				
Analyte		Units	CAS no.	NYS AWQS										
BTEX		µg/L												
	Benzene		71-43-2	1	**9.4**	**2.3**	**3.3**	**4.4**	**0.47 J**	1 U	1 U	1 U	1 U	1 U
	Toluene		108-88-3	5	**380**	**57**	**57**	**170**	**45**	**0.51 J**	**1**	**1.1**	1 U	1 U
	Ethylbenzene		100-41-4	5	**110**	**13**	**3.5**	**62**	**77**	**16**	**10**	**8.2**	1 U	1 U
	Total Xylene		1330-20-7	5	**340**	**74**	**48**	**200**	**92**	**8.8**	**15**	**5.9**	1 U	1 U
	Total BTEX		TBTEX_ND0	NE	**839**	**146**	**112**	**436**	**214**	**25**	**26**	**15.2**	ND	ND
PAH17		µg/L												
	Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	**1.3 J**	**1.4 J**	10 U	10 U	10 U
	Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	**1.2 J**	10 U	10 U	10 U
	Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	2-Methylnaphthalene		91-57-6	NE	**1.2 J**	10 U	**0.56 J**	**0.62 J**	**0.53 J**	10 U	**2 J**	10 U	10 U	10 U
	Naphthalene		91-20-3	10*	**22**	**2.5**	**3.9**	**10**	**11**	**2.1**	**15**	**2.2**	2 U	2 U
	Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Total PAH (17)		TPAH17_ND0	NE	**23**	**2.5**	**4.5**	**11**	**12**	**3.4**	**20**	**2.2**	ND	ND

Table 4-13. OU-3 Summary of Expanded Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Operable Unit Area	Sheeting Cell Areas (Southern Brightwaters Yard and LIRR ROW)								
			Aquifer Zone	Intermediate								
			Operable Unit	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3
			Sample Name	OU3MW-23I/IP-17B	OU3MW-23I/IP-17B	OU3MW-23I/IP-17B	DUP-03	OU3MW-23I/IP-17B	OU3MW-24I2/IP-19B	OU3MW-24I2/IP-19B	DUP-02	OU3MW-24I2/IP-19B
			Start Depth	10	10	10	10	10	25	25	25	25
			End Depth	15	15	15	15	15	30	30	30	30
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Date	8/24/2022	11/18/2022	1/16/2023	1/16/2023	5/17/2023	8/24/2022	11/18/2022	11/18/2022	1/16/2023
			Parent Sample Code				OU3MW-23I/IP-17B				OU3MW_24I2/IP-19B	
			Validation Level	Level 4	Level 2				Level 4	Level 2	Level 2	
Analyte		Units	CAS no.	NYS AWQS								
BTEX		µg/L										
	Benzene		71-43-2	1	1 UJ	1 U	1 U	1 U	1 U	**0.21 J**	**0.3 J**	**0.26 J**	1 U
	Toluene		108-88-3	5	1 UJ	1 U	1 U	1 U	1 U	**58**	**0.62 J**	**0.59 J**	1 U
	Ethylbenzene		100-41-4	5	1 UJ	1 U	1 U	1 U	1 U	**13**	**32**	**36**	**1**
	Total Xylene		1330-20-7	5	2 UJ	2 U	2 U	2 U	2 U	**120**	**25**	**28**	**1.5 J**
	Total BTEX		TBTEX_ND0	NE	ND	ND	ND	ND	ND	**191**	**58**	**65**	**3**
PAH17		µg/L											
	Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**1.3 J**
	Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Total PAH (17)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	**1.3**

Table 4-13. OU-3 Summary of Expanded Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Operable Unit Area	Sheeting Cell Areas (Southern Brightwaters Yard and LIRR ROW)									
			Aquifer Zone	Intermediate									
			Operable Unit	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3
			Sample Name	OU3MW-24I2/IP-19B	IP-20A	IP-20B	IP-20B	IP-20B	IP-20B	TMW-1I	TMW-1I	TMW-1I	TMW-1I
			Start Depth	25	14	24	24	24	24	12	12	12	12
			End Depth	30	15	25	25	25	25	17	17	17	17
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Date	5/18/2023	5/18/2023	8/24/2022	11/18/2022	1/16/2023	5/18/2023	8/2/2022	11/18/2022	1/17/2023	6/1/2023
			Parent Sample Code										
			Validation Level			Level 4	Level 2			Level 4	Level 2		
Analyte	Units	CAS no.	NYS AWQS										
BTEX	µg/L												
Benzene		71-43-2	1	1 U	1 U	**2.7**	1 U	**1.6**	**2.2**	**3.1**	**0.28 J**	1 U	**0.24 J**
Toluene		108-88-3	5	1 U	1 U	**150**	1 U	**1.6**	**26**	**28**	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	**0.58 J**	1 U	**660**	**0.43 J**	**120**	**380**	**71**	**1.2**	**7.5**	**13**
Total Xylene		1330-20-7	5	2 U	2 U	**1,000**	2 U	**86**	**350**	**96**	2 U	**1.8 J**	**2.2**
Total BTEX		TBTEX_ND0	NE	**0.58**	ND	**1,813**	**0.43**	**209**	**758**	**198**	**1.5**	**9.3**	**15**
PAH17	µg/L												
Acenaphthene		83-32-9	20*	10 U	10 U	**2.9 J**	10 U	**5.6 J**	**3.4 J**	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	**11**	10 U	**0.78 J**	**3.3 J**	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	2 U	**120**	2 U	**66**	**67**	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	ND	ND	**134**	ND	**72**	**74**	ND	ND	ND	ND

Table 4-13. OU-3 Summary of Expanded Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

				Operable Unit Area	Sheeting Cell Areas (Southern Brightwaters Yard and LIRR ROW)								
				Aquifer Zone	Intermediate								
				Operable Unit	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3
				Sample Name	TMW-1I2	Dup-04	TMW-1I2	TMW-1I2	TMW-1I2	TMW-2I2	TMW-2I2	TMW-2I2	TMW-2I2
				Start Depth	25	25	25	25	25	25	25	25	25
				End Depth	30	30	30	30	30	30	30	30	30
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample Date	8/2/2022	8/2/2022	11/18/2022	1/17/2023	6/1/2023	8/2/2022	11/21/2022	1/17/2023	6/1/2023
				Parent Sample Code		TMW-1I2							
				Validation Level	Level 4	Level 4	Level 2			Level 4	Level 2		
Analyte		Units	CAS no.	NYS AWQS									
BTEX		µg/L											
	Benzene		71-43-2	1	1 U	1 U	1 U	1 U	**0.38 J**	**0.63 J**	**3.7**	**2.2**	**1**
	Toluene		108-88-3	5	1 U	1 U	1 U	1 U	**0.41 J**	**7.5**	**2.3**	**1.6**	**2**
	Ethylbenzene		100-41-4	5	**3.5**	**3.9 J**	**1**	**0.59 J**	**5.1**	**100**	**200**	**56**	**59**
	Total Xylene		1330-20-7	5	**4.8**	**5.7 J**	**1.1 J**	**2.6**	**6.8**	**130**	**120**	**15**	**21**
	Total BTEX		TBTEX_ND0	NE	**8.3**	**9.6**	**2**	**3.2**	**12.7**	**238**	**326**	**75**	**83**
PAH17		µg/L											
	Acenaphthene		83-32-9	20*	10 U	**1.6 J**	10 U	**3.6 J**	10 U	**2.1 J**	**6.5 J**	**7.1 J**	**2.6 J**
	Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Benzo(g,h,i)perylene		191-24-2	NE	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
	Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	Dibenz(a,h)anthracene		53-70-3	NE	1 UJ	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
	Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	**1.1 J**	**2.1 J**	**2.6 J**	**0.95 J**
	Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 UJ	2 UJ	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U
	2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	**16**	**0.63 J**	10 U
	Naphthalene		91-20-3	10*	2 U	2 U	2 U	**1 J**	2 U	2 U	**160**	**23**	2 U
	Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Total PAH (17)		TPAH17_ND0	NE	ND	**1.6**	ND	**5**	ND	**3.2**	**185**	**33**	**3.6**

Table 4-13. OU-3 Summary of Expanded Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Operable Unit Area	Sheeting Cell Areas (Southern Brightwaters Yard and LIRR ROW)								Downgradient of the LIRR ROW	
			Aquifer Zone	Intermediate								Shallow	
			Operable Unit	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3
			Sample Name	TMW-3I	TMW-3I	TMW-3I	TMW-3I	TMW-3I2	TMW-3I2	TMW-3I2	TMW-3I2	MW-83	MW-83
			Start Depth	12	12	12	12	25	25	25	25	5	5
			End Depth	17	17	17	17	30	30	30	30	20	20
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Date	8/2/2022	11/21/2022	1/17/2023	5/31/2023	8/2/2022	11/21/2022	1/17/2023	5/31/2023	9/26/2022	6/7/2023
			Parent Sample Code										
			Validation Level	Level 4	Level 2			Level 4	Level 2			Level 2	
Analyte	Units	CAS no.	NYS AWQS										
BTEX	µg/L												
Benzene		71-43-2	1	1 U	**0.25 J**	**0.35 J**	**0.31 J**	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	**0.43 J**	**0.47 J**	**0.77 J**	**1.4**	1 U	1 U	1 U	**0.65 J**
Ethylbenzene		100-41-4	5	**24 J**	1 U	**2.6**	**42**	**33**	**34**	**0.31 J**	1 U	1 U	**2.2**
Total Xylene		1330-20-7	5	2 U	2 U	**4**	**16**	**45**	**27**	2 U	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	**24**	**0.25**	**7**	**59**	**79**	**62**	**0.31**	ND	ND	**2.85**
PAH17	µg/L												
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	**1.1 J**	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 UJ	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	**1.2 J**	**0.72 J**	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	2 U	**4.2**	**12**	**6.9**	**22**	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	ND	ND	**4.2**	**13**	**8.1**	**23**	ND	ND	ND	ND

Table 4-13. OU-3 Summary of Expanded Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

				Operable Unit Area	Downgradient of the LIRR ROW								
				Aquifer Zone	Shallow								
				Operable Unit	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3
				Sample Name	OU3MW-07S	OU3MW-07S	OU3MW-07S	OU3MW-07S	OU3MW-13S	OU3MW-13S	OU3MW-13S	OU3MW-19S	OU3MW-19S
				Start Depth	3	3	3	3	2	2	2	2	2
				End Depth	13	13	13	13	12	12	12	12	12
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample Date	7/11/2022	10/5/2022	1/3/2023	5/9/2023	7/18/2022	11/15/2022	1/16/2023	7/28/2022	11/9/2022
				Parent Sample Code									
				Validation Level	Level 2	Level 2			Level 2	Level 2		Level 4	Level 2
Analyte		Units	CAS no.	NYS AWQS									
BTEX		µg/L											
	Benzene		71-43-2	1	1 U	1 U	1 U	1 U	**7.2**	1 U	1 U	1 U	1 U
	Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	**1.4**	1 U	1 U	**2**	**0.58 J**
	Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	**8.3**	2 U	2 U	2 U	2 U
	Total BTEX		TBTEX_ND0	NE	ND	ND	ND	ND	**16.9**	ND	ND	**2**	**0.58**
PAH17		µg/L											
	Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Total PAH (17)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-13. OU-3 Summary of Expanded Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

				Operable Unit Area	Downgradient of the LIRR ROW									
				Aquifer Zone	Shallow						Intermediate			
				Operable Unit	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3
				Sample Name	OU3MW-19S	OU3MW-19S	OU3MW-20S	OU3MW-20S	OU3MW-20S	OU3MW-20S	MW-64	MW-64	MW-64	MW-64
				Start Depth	2	2	2	2	2	2	19	19	19	19
				End Depth	12	12	12	12	12	12	24	24	24	24
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample Date	1/11/2023	5/17/2023	8/2/2022	11/9/2022	1/11/2023	5/18/2023	7/28/2022	11/18/2022	1/16/2023	5/17/2023
				Parent Sample Code										
				Validation Level			Level 4	Level 2			Level 4	Level 2		
Analyte		Units	CAS no.	NYS AWQS										
BTEX		µg/L												
	Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**1.1**	**1**	1 U
	Toluene		108-88-3	5	1 U	1 U	**5.7**	1 U	1 U	1 U	**0.91 J**	**0.67 J**	**3**	**0.55 J**
	Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	**6.5**	**42**	**31**	**8.9**
	Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U	2 U	**12**	**54**	**95**	**30**
	Total BTEX		TBTEX_ND0	NE	ND	ND	**5.7**	ND	ND	ND	**19**	**98**	**130**	**39**
PAH17		µg/L												
	Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**2.1 J**
	Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.6 J**	1 U
	Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**1.9 J**	2 U
	Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.69 J**	1 U
	Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	**1 J**	10 U
	Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.98 J**	1 U
	Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**1.1 J**	2 U
	Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**1.6 J**	10 U
	Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U	**1.2 J**	2 U
	2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**42**
	Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Total PAH (17)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	**9.1**	**44**

Table 4-13. OU-3 Summary of Expanded Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

				Operable Unit Area	Downgradient of the LIRR ROW								
				Aquifer Zone	Intermediate								
				Operable Unit	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3
				Sample Name	MW-65	MW-65	MW-65	MW-65	OU3MW-07I	OU3MW-07I	OU3MW-07I	OU3MW-07I	OU3MW-07I2
				Start Depth	11	11	11	11	15	15	15	15	20
				End Depth	16	16	16	16	20	20	20	20	25
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample Date	9/26/2022	11/28/2022	2/7/2023	6/7/2023	7/11/2022	10/5/2022	1/3/2023	5/9/2023	7/11/2022
				Parent Sample Code									
				Validation Level	Level 2	Level 2			Level 2	Level 2			Level 2
Analyte		Units	CAS no.	NYS AWQS									
BTEX		µg/L											
	Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Ethylbenzene		100-41-4	5	**0.34 J**	**0.66 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	Total BTEX		TBTEX_ND0	NE	**0.34**	**0.66**	ND	ND	ND	ND	ND	ND	ND
PAH17		µg/L											
	Acenaphthene		83-32-9	20*	**12**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Acenaphthylene		208-96-8	NE	**1.8 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
	Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Fluorene		86-73-7	50*	**5 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	2-Methylnaphthalene		91-57-6	NE	**1.3 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Naphthalene		91-20-3	10*	**9.4**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Pyrene		129-00-0	50*	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
	Total PAH (17)		TPAH17_ND0	NE	**30**	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-13. OU-3 Summary of Expanded Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

				Operable Unit Area	Downgradient of the LIRR ROW									
				Aquifer Zone	Intermediate									
				Operable Unit	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3
				Sample Name	OU3MW-07I2	OU3MW-07I2	OU3MW-07I2	DUP-02	OU3MW-07I3	OU3MW-07I3	OU3MW-07I3	OU3MW-07I3	OU3MW-07I4	OU3MW-07I4
				Start Depth	20	20	20	20	25	25	25	25	35	35
				End Depth	25	25	25	25	30	30	30	30	40	40
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample Date	10/5/2022	1/3/2023	5/15/2023	5/15/2023	7/11/2022	10/5/2022	1/3/2023	5/15/2023	7/11/2022	10/5/2022
				Parent Sample Code				OU3MW-07I2						
				Validation Level	Level 2				Level 2	Level 2			Level 2	Level 2
Analyte		Units	CAS no.	NYS AWQS										
BTEX		µg/L												
	Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U	**5.3**	2 U	2 U	2 U	2 U
	Total BTEX		TBTEX_ND0	NE	ND	ND	ND	ND	ND	**5.3**	ND	ND	ND	ND
PAH17		µg/L												
	Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
	2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Naphthalene		91-20-3	10*	2 U	2 U	**1.3 J**	**1.5 J**	2 U	2 U	2 U	2 U	2 U	2 U
	Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Total PAH (17)		TPAH17_ND0	NE	ND	ND	**1.3**	**1.5**	ND	ND	ND	ND	ND	ND

Table 4-13. OU-3 Summary of Expanded Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Operable Unit Area	Downgradient of the LIRR ROW								
			Aquifer Zone	Intermediate								
			Operable Unit	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3
			Sample Name	OU3MW-07I4	OU3MW-07I4	OU3MW-19I	OU3MW-19I	OU3MW-19I	OU3MW-19I	OU3MW-19I2	OU3MW-19I2	OU3MW-19I2
			Start Depth	35	35	20	20	20	20	30	30	30
			End Depth	40	40	25	25	25	25	35	35	35
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Date	1/3/2023	5/15/2023	7/28/2022	11/9/2022	1/11/2023	5/17/2023	7/28/2022	11/9/2022	1/11/2023
			Parent Sample Code									
			Validation Level			Level 4	Level 2			Level 4	Level 2	
Analyte	Units	CAS no.	NYS AWQS									
BTEX	µg/L											
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
PAH17	µg/L											
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4-13. OU-3 Summary of Expanded Groundwater Analytical Results
Quarterly Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

			Operable Unit Area	Downgradient of the LIRR ROW							
			Aquifer Zone	Intermediate							
			Operable Unit	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3	OU-3
			Sample Name	OU3MW-19I2	OU3MW-20I	OU3MW-20I	OU3MW-20I	OU3MW-20I	OU3MW-20I2	OU3MW-20I2	OU3MW-20I2
			Start Depth	30	20	20	20	20	30	30	30
			End Depth	35	25	25	25	25	35	35	35
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Date	5/17/2023	8/2/2022	11/9/2022	1/11/2023	5/18/2023	11/9/2022	1/11/2023	5/18/2023
			Parent Sample Code								
			Validation Level		Level 4	Level 2			Level 2		
Analyte	Units	CAS no.	NYS AWQS								
BTEX	µg/L										
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	ND	ND	ND	ND	ND	ND	ND	ND
PAH17	µg/L										
Acenaphthene		83-32-9	20*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene		208-96-8	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene		86-73-7	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	**1.1 J**	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total PAH (17)		TPAH17_ND0	NE	ND	ND	ND	ND	**1.1**	ND	ND	ND

Table 4-14. OU-4 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentration (µg/L)										
		Sampling Date										
		2002		2003			2004				2005	
		Jun/Jul	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun
WCMW-01S	2.0 - 12.0	5	1	0	0	0	0	0	11	0	0	0
WCMW-01I	35.0 - 45.0	0	0	0	0	0	--	0	0	--	0	--
WCMW-01D	64.0 - 74.0	0	0	--	0	--	--	0	0	--	--	--
WCMW-02S	3.0 - 13.0	6	0	0	0	0	0	0	0	--	0	--
WCMW-02I	34.5 - 44.5	µg/L	0	0	0	0	--	0	0	--	--	--
WCMW-02D	62.0 - 72.0	0	0	--	--	--	--	0	0	--	--	--
WCMW-03S	4.83 - 9.83	--	10	12	25	0	10	25	14	0	42	14
WCMW-03I	19.4 - 24.4	--	0	0	0	0	0	0	0	0	0	--
WCMW-03I2	28.55 - 33.55	--	0	0	0	0	0	0	0	0	0	--
WCMW-04S	1.6 - 11.6	--	33	0	15	16	12	0	10	40	0	16
WCMW-04I	19.0 - 24.0	--	0	0	0	0	0	0	0	--	0	--
WCMW-04I2	29.85 - 34.85	--	0	--	0	0	--	0	0	0	0	--
WCMW-05S	1.15 - 11.15	--	0	0	0	0	0	0	0	0	0	--
WCMW-05I	19.61 - 24.61	--	0	0	0	0	0	0	0	--	0	--
WCMW-05I2	29.46 - 34.46	--	0	0	0	0	--	0	0	0	0	--
WCMW-06S	2.0 - 12.0	--	0	0	0	0	0	0	0	--	--	--
WCMW-06I	19.55 - 24.55	--	0	0	0	0	0	0	0	--	--	--
WCMW-06I2	29.83 - 34.83	--	0	--	0	0	--	0	0	--	--	--
WCMW-07S	2.76 - 12.76	--	0	0	0	0	--	0	--	--	--	--
WCMW-07I	18.9 - 23.9	--	0	--	0	0	--	0	--	--	--	--
WCMW-07I2	28.95 - 33.95	--	0	--	0	0	--	0	--	--	--	--
WCMW-08S	4.2 - 9.2	--	0	0	0	0	--	0	0	--	--	--
WCMW-08I	19.2 - 24.2	--	0	--	0	0	0	0	0	--	--	--
WCMW-08I2	26.9 - 31.9	--	0	--	0	0	--	0	0	--	--	--
WCMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-10S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-10D	40.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-11S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-11I	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-11D	50.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-12D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-14. OU-4 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentration (µg/L)										
		Sampling Date										
		2002		2003			2004				2005	
		Jun/Jul	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-18S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-22S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-23S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-24S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-25I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-25D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-26S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-27S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-27I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-28I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-29S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-29I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-30S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-31S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-32S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-14. OU-4 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentration (µg/L)										
		Sampling Date										
		2005		2006				2007		2007		2008
		Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar
WCMW-01S	2.0 - 12.0	10	0	0	0	23	0	0	0	13	9	2
WCMW-01I	35.0 - 45.0	--	--	0	--	--	--	0	--	0	1	0
WCMW-01D	64.0 - 74.0	--	--	0	--	--	--	0	--	0	2	0
WCMW-02S	3.0 - 13.0	--	--	0	0	0	0	0	0	4	6	0
WCMW-02I	34.5 - 44.5	--	--	0	--	--	--	0	--	0	0	0
WCMW-02D	62.0 - 72.0	--	--	0	--	--	--	0	--	0	0	0
WCMW-03S	4.83 - 9.83	23	10	--	0	22	20	0	12	32	0	20
WCMW-03I	19.4 - 24.4	--	0	--	0	--	--	--	--	0	0	0
WCMW-03I2	28.55 - 33.55	--	0	--	0	--	--	--	--	0	0	0
WCMW-04S	1.6 - 11.6	0	0	11	10	31	16	0	12	23	25	6
WCMW-04I	19.0 - 24.0	--	0	--	--	--	0	--	--	0	0	0
WCMW-04I2	29.85 - 34.85	--	0	--	--	--	0	0	--	0	0	0
WCMW-05S	1.15 - 11.15	--	0	--	0	--	--	0	0	0	0	0
WCMW-05I	19.61 - 24.61	--	0	--	0	--	--	--	--	0	0	0
WCMW-05I2	29.46 - 34.46	--	0	--	0	--	--	--	--	0	0	0
WCMW-06S	2.0 - 12.0	--	--	--	--	--	--	0	0	0	0	0
WCMW-06I	19.55 - 24.55	--	--	--	--	--	--	--	--	0	0	0
WCMW-06I2	29.83 - 34.83	--	--	--	--	--	--	--	--	0	0	0
WCMW-07S	2.76 - 12.76	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I	18.9 - 23.9	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I2	28.95 - 33.95	--	--	--	--	--	--	--	--	--	--	--
WCMW-08S	4.2 - 9.2	--	--	0	--	--	--	--	--	0	0	0
WCMW-08I	19.2 - 24.2	--	--	--	--	--	--	--	--	0	0	0
WCMW-08I2	26.9 - 31.9	--	--	--	--	--	--	--	--	0	0	0
WCMW-09S	5.0 - 15.0	--	--	0	0	0	--	--	--	0	0	0
WCMW-10S	15.0 - 20.0	--	--	0	0	0	0	0	0	0	0	0
WCMW-10D	40.0 - 50.0	--	--	0	0	0	--	--	--	1	0	0
WCMW-11S	5.0 - 15.0	--	--	80	--	148	--	--	--	--	--	--
WCMW-11I	25.0 - 35.0	--	--	0	--	0	--	--	--	--	--	--
WCMW-11D	50.0 - 60.0	--	--	0	--	0	--	--	--	--	--	--
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	0
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	0
WCMW-12D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	0
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	0
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	0
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	0
WCMW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	0
WCMW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	0
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	0

Table 4-14. OU-4 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentration (µg/L)										
		Sampling Date										
		2005		2006				2007		2007		2008
		Aug	Nov/Dec	Mar	Jun	Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	0
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	0
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	0
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	0
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-18S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-22S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-23S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-24S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-25I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-25D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-26S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-27S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-27I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-28I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-29S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-29I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-30S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-31S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-32S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-14. OU-4 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentration (µg/L)										
		Sampling Date										
		2008			2009				2010			
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Aug	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
WCMW-01S	2.0 - 12.0	0	12	3	3	1	4	0	1	5	10	14
WCMW-01I	35.0 - 45.0	0	0	0	0	0	0	0	0	0	0	0
WCMW-01D	64.0 - 74.0	0	0	0	0	0	0	0	0	0	0	0
WCMW-02S	3.0 - 13.0	0	2	0	0	0	0	5	0	0	0	3
WCMW-02I	34.5 - 44.5	0	0	0	0	0	0	0	0	0	0	0
WCMW-02D	62.0 - 72.0	0	0	0	0	0	0	0	0	0	0	0
WCMW-03S	4.83 - 9.83	21	25	24	33	34	23	6	27	29	30	27
WCMW-03I	19.4 - 24.4	0	0	0	0	0	0	0	0	0	0	0
WCMW-03I2	28.55 - 33.55	0	0	0	0	0	0	0	0	0	0	0
WCMW-04S	1.6 - 11.6	22	24	26	21	34	10	2	6	12	32	25
WCMW-04I	19.0 - 24.0	0	0	0	0	0	2	0	0	0	0	0
WCMW-04I2	29.85 - 34.85	0	0	0	0	0	0	0	0	0	0	0
WCMW-05S	1.15 - 11.15	0	0	0	1	0	0	1	2	3	0	0
WCMW-05I	19.61 - 24.61	0	0	0	0	0	0	0	0	0	0	0
WCMW-05I2	29.46 - 34.46	0	0	0	0	0	0	0	0	0	0	0
WCMW-06S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0
WCMW-06I	19.55 - 24.55	0	0	0	0	0	0	0	0	0	0	0
WCMW-06I2	29.83 - 34.83	0	0	0	0	0	0	0	0	0	0	0
WCMW-07S	2.76 - 12.76	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I	18.9 - 23.9	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I2	28.95 - 33.95	--	--	--	--	--	--	--	--	--	--	--
WCMW-08S	4.2 - 9.2	--	0	--	--	--	--	--	0	--	--	--
WCMW-08I	19.2 - 24.2	--	0	--	--	--	--	--	0	--	--	--
WCMW-08I2	26.9 - 31.9	--	0	--	--	--	--	--	0	--	--	--
WCMW-09S	5.0 - 15.0	0	0	0	0	0	0	0	0	0	--	--
WCMW-10S	15.0 - 20.0	0	0	0	0	0	0	0	0	0	--	--
WCMW-10D	40.0 - 50.0	0	0	0	0	0	0	0	0	0	--	--
WCMW-11S	5.0 - 15.0	53	--	--	--	53	36	2	23	--	12	16
WCMW-11I	25.0 - 35.0	0	--	--	--	0	0	0	0	--	0	0
WCMW-11D	50.0 - 60.0	0	--	--	--	0	0	0	0	--	0	0
WCMW-12S	3.0 - 13.0	0	0	0	0	0	0	0	0	0	0	0
WCMW-12I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0
WCMW-12D	67.0 - 72.0	0	0	0	0	0	0	0	0	0	0	0
WCMW-13S	3.0 - 13.0	0	1	0	0	0	0	0	0	0	0	0
WCMW-13I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	0	0
WCMW-13D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0
WCMW-14S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0
WCMW-14I	20.0 - 25.0	0	0	0	0	0	0	0	1	0	0	0
WCMW-14I2	30.0 - 35.0	0	0	0	0	0	0	0	0	0	0	0

Table 4-14. OU-4 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentration (µg/L)										
		Sampling Date										
		2008			2009				2010			
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Aug	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
WCMW-14D	67.0 - 72.0	0	0	0	0	0	0	0	0	0	0	0
WCMW-16S	2.0 - 12.0	0	0	0	0	2	0	9	0	0	0	0
WCMW-16I	20.0 - 25.0	0	0	0	0	1	0	0	0	0	0	0
WCMW-16I2	30.0 - 35.0	0	0	0	0	2	0	0	0	0	0	0
WCMW-17S	2.0 - 12.0	--	--	--	--	5	6	2	0	1	1	1
WCMW-17I	20.0 - 25.0	--	--	--	--	0	2	0	0	1	0	0
WCMW-17I2	30.0 - 35.0	--	--	--	--	0	0	0	0	0	0	0
WCMW-18WT	2.0 - 7.0	--	--	--	--	0	0	0	0	0	0	0
WCMW-18S	2.0 - 12.0	--	--	--	--	0	0	1	0	0	0	0
WCMW-18I	20.0 - 25.0	--	--	--	--	0	0	0	0	0	0	0
WCMW-18I2	30.0 - 35.0	--	--	--	--	0	0	0	0	0	0	0
WCMW-19S	2.0 - 12.0	--	--	--	--	--	0	0	0	0	0	0
WCMW-19I	20.0 - 25.0	--	--	--	--	--	0	0	0	0	0	0
WCMW-19I2	30.0 - 35.0	--	--	--	--	--	0	0	0	0	0	0
WCMW-20S	2.0 - 12.0	--	--	--	--	--	0	0	0	0	0	0
WCMW-20I	20.0 - 25.0	--	--	--	--	--	0	0	0	0	0	0
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	0	0	0	0	0	0
WCMW-21S	2.0 - 12.0	--	--	--	--	--	0	0	0	0	0	0
WCMW-21I	20.0 - 25.0	--	--	--	--	--	0	0	0	0	0	0
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	0	0	0	0	0	0
WCMW-21I	20.0 - 25.0	--	--	--	--	--	0	0	0	0	0	0
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	0	0	0	0	0	0
WCMW-22S	2.0 - 12.0	--	--	--	--	--	0	0	0	--	--	--
WCMW-22I	25.0 - 30.0	--	--	--	--	--	0	0	0	--	--	--
WCMW-23S	2.0 - 12.0	--	--	--	--	--	0	0	0	--	--	--
WCMW-23I	25.0 - 30.0	--	--	--	--	--	0	0	0	--	--	--
WCMW-24S	2.0 - 12.0	--	--	--	--	--	--	0	16	--	8	3
WCMW-24I	20.0 - 25.0	--	--	--	--	--	--	0	0	--	0	0
WCMW-24I2	30.0 - 35.0	--	--	--	--	--	--	0	0	--	0	0
WCMW-25I	30.0 - 35.0	--	--	--	--	--	--	0	1	0	0	0
WCMW-25D	55.0 - 60.0	--	--	--	--	--	--	0	0	0	0	0
WCMW-26S	2.0 - 12.0	--	--	--	--	--	--	44	78	--	35	114
WCMW-26I	20.0 - 25.0	--	--	--	--	--	--	0	0	--	0	0
WCMW-26I2	30.0 - 35.0	--	--	--	--	--	--	0	0	--	0	0
WCMW-27S	2.0 - 12.0	--	--	--	--	--	--	19	4	29	16	19
WCMW-27I	20.0 - 25.0	--	--	--	--	--	--	0	0	0	0	0
WCMW-28S	2.0 - 12.0	--	--	--	--	--	--	0	0	0	0	0
WCMW-28I	20.0 - 25.0	--	--	--	--	--	--	0	0	0	0	0
WCMW-29S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	84	19
WCMW-29I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	0	0
WCMW-30S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-31S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-32S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-14. OU-4 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentration (µg/L)										
		Sampling Date										
		2011				2012				2013		
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
WCMW-01S	2.0 - 12.0	1	--	--	--	--	--	--	--	--	--	--
WCMW-01I	35.0 - 45.0	0	--	--	--	--	--	--	--	--	--	--
WCMW-01D	64.0 - 74.0	0	--	--	--	--	--	--	--	--	--	--
WCMW-02S	3.0 - 13.0	9	0	0	19	6	0	0	0	0	0	0
WCMW-02I	34.5 - 44.5	0	0	0	0	0	0	0	--	--	0	--
WCMW-02D	62.0 - 72.0	0	0	0	0	0	0	0	0	0	0	--
WCMW-03S	4.83 - 9.83	24	--	--	--	--	--	--	--	--	--	--
WCMW-03I	19.4 - 24.4	0	--	--	--	--	--	--	--	--	--	--
WCMW-03I2	28.55 - 33.55	0	--	--	--	--	--	--	--	--	--	--
WCMW-04S	1.6 - 11.6	30	11	2	3	0	0	0	0	0	0	--
WCMW-04I	19.0 - 24.0	0	0	14	9	4	13	24	17	17	16	12
WCMW-04I2	29.85 - 34.85	0	0	2	0	0	0	4	2	0	3	6
WCMW-05S	1.15 - 11.15	3	2	2	0	3	1	0	0	2	0	0
WCMW-05I	19.61 - 24.61	0	0	1	5	9	10	8	8	5	8	9
WCMW-05I2	29.46 - 34.46	0	0	0	0	2	0	0	0	0	0	0
WCMW-06S	2.0 - 12.0	0	0	0	0	0	0	0	--	--	0	--
WCMW-06I	19.55 - 24.55	0	0	0	0	0	0	0	--	--	0	--
WCMW-06I2	29.83 - 34.83	0	0	0	0	0	0	0	--	--	0	--
WCMW-07S	2.76 - 12.76	0	--	--	--	0	--	--	--	--	--	--
WCMW-07I	18.9 - 23.9	0	--	--	--	0	--	--	--	--	--	--
WCMW-07I2	28.95 - 33.95	0	--	--	--	0	--	--	--	--	--	--
WCMW-08S	4.2 - 9.2	--	--	--	--	0	--	--	--	--	0	--
WCMW-08I	19.2 - 24.2	--	--	--	--	0	--	--	--	--	0	--
WCMW-08I2	26.9 - 31.9	--	--	--	--	0	--	--	--	--	0	--
WCMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-10S	15.0 - 20.0	--	--	--	--	--	--	--	0	0	0	--
WCMW-10D	40.0 - 50.0	--	--	--	--	--	--	--	0	0	0	--
WCMW-11S	5.0 - 15.0	27	30	75	--	37	17	10	--	6	2	4
WCMW-11I	25.0 - 35.0	0	0	0	--	0	0	0	--	0	0	7
WCMW-11D	50.0 - 60.0	0	0	0	--	0	0	0	--	--	0	--
WCMW-12S	3.0 - 13.0	0	0	0	0	0	0	0	--	--	0	--
WCMW-12I	25.0 - 30.0	0	0	0	0	0	0	0	--	--	0	--
WCMW-12D	67.0 - 72.0	2	0	0	0	0	0	0	--	--	0	--
WCMW-13S	3.0 - 13.0	0	0	0	2	17	3	10	12	0	0	0
WCMW-13I	25.0 - 30.0	0	0	0	0	0	0	0	--	--	0	--
WCMW-13D	65.0 - 70.0	0	0	0	0	0	0	0	--	--	0	--
WCMW-14S	2.0 - 12.0	0	0	0	0	1	0	0	0	0	0	0
WCMW-14I	20.0 - 25.0	0	0	0	0	0	0	1	2.5	1	0	2
WCMW-14I2	30.0 - 35.0	0	0	0	0	0	0	0	--	--	0	--

Table 4-14. OU-4 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentration (µg/L)										
		Sampling Date										
		2011				2012				2013		
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep
WCMW-14D	67.0 - 72.0	0	0	0	0	0	0	0	--	--	0	--
WCMW-16S	2.0 - 12.0	0	--	--	--	--	--	--	--	--	--	--
WCMW-16I	20.0 - 25.0	0	--	--	--	--	--	--	--	--	--	--
WCMW-16I2	30.0 - 35.0	0	--	--	--	--	--	--	--	--	--	--
WCMW-17S	2.0 - 12.0	4	--	--	--	--	--	--	--	--	--	--
WCMW-17I	20.0 - 25.0	0	--	--	--	--	--	--	--	--	--	--
WCMW-17I2	30.0 - 35.0	0	--	--	--	--	--	--	--	--	--	--
WCMW-18WT	2.0 - 7.0	0	--	--	--	--	--	--	--	--	--	--
WCMW-18S	2.0 - 12.0	0	--	--	--	--	--	--	--	--	--	--
WCMW-18I	20.0 - 25.0	0	--	--	--	--	--	--	--	--	--	--
WCMW-18I2	30.0 - 35.0	0	--	--	--	--	--	--	--	--	--	--
WCMW-19S	2.0 - 12.0	0	0	0	0	0	0	0	--	--	0	--
WCMW-19I	20.0 - 25.0	0	0	0	0	0	0	0	--	--	0	--
WCMW-19I2	30.0 - 35.0	0	0	0	0	0	0	0	--	--	0	--
WCMW-20S	2.0 - 12.0	0	0	--	--	--	--	--	--	--	--	--
WCMW-20I	20.0 - 25.0	0	0	--	--	--	--	--	--	--	--	--
WCMW-20I2	30.0 - 35.0	0	0	--	--	--	--	--	--	--	--	--
WCMW-21S	2.0 - 12.0	0	0	--	--	--	--	--	--	--	--	--
WCMW-21I	20.0 - 25.0	0	0	--	--	--	--	--	--	--	--	--
WCMW-21I2	30.0 - 35.0	0	0	--	--	--	--	--	--	--	--	--
WCMW-21I	20.0 - 25.0	0	0	--	--	--	--	--	--	--	--	--
WCMW-21I2	30.0 - 35.0	0	0	--	--	--	--	--	--	--	--	--
WCMW-22S	2.0 - 12.0	--	--	--	--	0	--	--	--	--	0	--
WCMW-22I	25.0 - 30.0	--	--	--	--	0	--	--	--	--	0	--
WCMW-23S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	0	--
WCMW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	0	--
WCMW-24S	2.0 - 12.0	4	2	--	--	--	--	--	--	--	--	--
WCMW-24I	20.0 - 25.0	0	0	--	--	--	--	--	--	--	--	--
WCMW-24I2	30.0 - 35.0	0	0	--	--	--	--	--	--	--	--	--
WCMW-25I	30.0 - 35.0	0	0	0	0	0	0	0	--	--	0	--
WCMW-25D	55.0 - 60.0	0	0	0	0	0	0	0	--	--	0	--
WCMW-26S	2.0 - 12.0	21	19	47	--	45	60	67	--	7	4	68
WCMW-26I	20.0 - 25.0	0	0	0	--	0	2	0	--	0	0	0
WCMW-26I2	30.0 - 35.0	0	0	0	--	0	0	0	--	--	0	--
WCMW-27S	2.0 - 12.0	31	--	--	--	--	--	--	--	--	--	--
WCMW-27I	20.0 - 25.0	0	--	--	--	--	--	--	--	--	--	--
WCMW-28S	2.0 - 12.0	0	--	--	--	--	--	--	--	--	--	--
WCMW-28I	20.0 - 25.0	0	--	--	--	--	--	--	--	--	--	--
WCMW-29S	2.0 - 12.0	59	69	145	--	152	62	54	--	154	182	22
WCMW-29I	20.0 - 25.0	0	0	0	--	0	0	0	--	--	0	--
WCMW-30S	2.0 - 12.0	--	--	--	--	0	0	0	0	0	0	--
WCMW-30I	20.0 - 25.0	--	--	--	--	10	13	26	30	14	21	18
WCMW-30I2	30.0 - 35.0	--	--	--	--	0	0	0	0	0	0	0
WCMW-31S	2.0 - 12.0	--	--	--	--	3	1	0	2	4	0	0
WCMW-31I	20.0 - 25.0	--	--	--	--	0	0	0	0	0	0	--
WCMW-31I2	30.0 - 35.0	--	--	--	--	0	0	0	0	0	0	--
WCMW-32S	2.0 - 12.0	--	--	--	--	0	0	0	0	0	0	0

Table 4-14. OU-4 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentration (µg/L)										
		Sampling Date										
		2013	2014				2015				2016	
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
WCMW-01S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-01I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-01D	64.0 - 74.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-02S	3.0 - 13.0	0	0	0	0	0	0	0	--	--	--	0
WCMW-02I	34.5 - 44.5	--	--	0	--	--	--	--	--	--	--	--
WCMW-02D	62.0 - 72.0	--	--	0	--	--	--	--	--	--	--	--
WCMW-03S	4.83 - 9.83	--	--	--	--	--	--	--	--	--	--	--
WCMW-03I	19.4 - 24.4	--	--	--	--	--	--	--	--	--	--	--
WCMW-03I2	28.55 - 33.55	--	--	--	--	--	--	--	--	--	--	--
WCMW-04S	1.6 - 11.6	--	--	0	--	--	--	--	--	--	--	--
WCMW-04I	19.0 - 24.0	9	8	13	8	8	8	7	7	11	4	0
WCMW-04I2	29.85 - 34.85	2	1	0	0	0	0	0	--	--	--	0
WCMW-05S	1.15 - 11.15	0	0	0	0	--	--	--	--	--	--	0
WCMW-05I	19.61 - 24.61	4	4	4	4	4	0	1	1	0	0	0
WCMW-05I2	29.46 - 34.46	0	0	0	0	0	0	0	--	0	0	0
WCMW-06S	2.0 - 12.0	--	--	0	--	--	--	--	--	--	--	--
WCMW-06I	19.55 - 24.55	--	--	0	--	--	--	--	--	--	--	--
WCMW-06I2	29.83 - 34.83	--	--	0	--	--	--	--	--	--	--	--
WCMW-07S	2.76 - 12.76	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I	18.9 - 23.9	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I2	28.95 - 33.95	--	--	--	--	--	--	--	--	--	--	--
WCMW-08S	4.2 - 9.2	--	--	0	--	--	--	--	--	--	--	--
WCMW-08I	19.2 - 24.2	--	--	0	--	--	--	--	--	--	--	--
WCMW-08I2	26.9 - 31.9	--	--	0	--	--	--	--	--	--	--	--
WCMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-10S	15.0 - 20.0	0	--	0	--	--	--	0	--	--	--	--
WCMW-10D	40.0 - 50.0	0	--	0	--	--	--	0	--	--	--	--
WCMW-11S	5.0 - 15.0	2	8	15	9	3	1	20	0	0	--	--
WCMW-11I	25.0 - 35.0	8	0	0	0	0	0	0	0	0	--	--
WCMW-11D	50.0 - 60.0	--	--	0	--	--	--	--	--	--	--	--
WCMW-12S	3.0 - 13.0	--	--	0	--	--	--	--	--	--	--	--
WCMW-12I	25.0 - 30.0	--	--	0	--	--	--	--	--	--	--	--
WCMW-12D	67.0 - 72.0	--	--	0	--	--	--	--	--	--	--	--
WCMW-13S	3.0 - 13.0	0	9	1	1	6	0	0	1	0	0	0
WCMW-13I	25.0 - 30.0	--	--	0	--	--	--	--	--	--	--	--
WCMW-13D	65.0 - 70.0	--	--	0	--	--	--	--	--	--	--	--
WCMW-14S	2.0 - 12.0	0	0	0	0	3	0	0	0	--	0	0
WCMW-14I	20.0 - 25.0	0	0	0	0	2	0	0	0	0	0	0
WCMW-14I2	30.0 - 35.0	--	--	0	--	--	--	--	--	--	--	--

Table 4-14. OU-4 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentration (µg/L)										
		Sampling Date										
		2013	2014				2015				2016	
		Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
WCMW-14D	67.0 - 72.0	--	--	0	--	--	--	--	--	--	--	--
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-18S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-19S	2.0 - 12.0	--	--	0	--	--	--	--	--	--	--	--
WCMW-19I	20.0 - 25.0	--	--	0	--	--	--	--	--	--	--	--
WCMW-19I2	30.0 - 35.0	--	--	0	--	--	--	--	--	--	--	--
WCMW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-22S	2.0 - 12.0	--	--	--	--	--	--	0	--	--	--	--
WCMW-22I	25.0 - 30.0	--	--	0	--	--	--	--	--	--	--	--
WCMW-23S	2.0 - 12.0	--	--	0	--	--	--	--	--	--	--	--
WCMW-23I	25.0 - 30.0	--	--	0	--	--	--	--	--	--	--	--
WCMW-24S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-25I	30.0 - 35.0	--	--	0	--	--	--	--	--	--	--	--
WCMW-25D	55.0 - 60.0	--	--	0	--	--	--	--	--	--	--	--
WCMW-26S	2.0 - 12.0	205	64	31	29	0	15	87	261	256	--	--
WCMW-26I	20.0 - 25.0	0	1	0	0	169	0	0	0	0	--	--
WCMW-26I2	30.0 - 35.0	--	--	0	--	--	--	--	--	--	--	--
WCMW-27S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-27I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-28I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-29S	2.0 - 12.0	19	77	58	68	28	185	88	38	18	--	--
WCMW-29I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	--	--
WCMW-30S	2.0 - 12.0	--	--	0	--	--	--	--	--	--	--	--
WCMW-30I	20.0 - 25.0	13	17	10	13	21	4	15	14	16	3	9
WCMW-30I2	30.0 - 35.0	0	0	0	0	--	--	0	--	--	--	0
WCMW-31S	2.0 - 12.0	0	0	0	0	--	--	0	--	--	--	0
WCMW-31I	20.0 - 25.0	--	--	0	--	--	--	--	--	--	--	--
WCMW-31I2	30.0 - 35.0	--	--	0	--	--	--	--	--	--	--	--
WCMW-32S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0

Table 4-14. OU-4 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentration (µg/L)										
		Sampling Date										
		2016		2017				2018				2019
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
WCMW-01S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-01I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-01D	64.0 - 74.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-02I	34.5 - 44.5	--	--	--	--	--	--	--	--	--	--	--
WCMW-02D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-03S	4.83 - 9.83	--	--	--	--	--	--	--	--	--	--	--
WCMW-03I	19.4 - 24.4	--	--	--	--	--	--	--	--	--	--	--
WCMW-03I2	28.55 - 33.55	--	--	--	--	--	--	--	--	--	--	--
WCMW-04S	1.6 - 11.6	--	--	--	--	--	--	--	--	--	--	--
WCMW-04I	19.0 - 24.0	4	10	1	6	5	3	1	0	--	--	--
WCMW-04I2	29.85 - 34.85	--	--	--	--	--	--	--	--	--	--	--
WCMW-05S	1.15 - 11.15	--	--	--	--	--	--	--	0	0	--	--
WCMW-05I	19.61 - 24.61	0	0	0	0	3	2	0	0	0	0	0
WCMW-05I2	29.46 - 34.46	0	0	--	0	--	2	0	0	0	0	--
WCMW-06S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-06I	19.55 - 24.55	--	--	--	--	--	--	--	--	--	--	--
WCMW-06I2	29.83 - 34.83	--	--	--	--	--	--	--	--	--	--	--
WCMW-07S	2.76 - 12.76	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I	18.9 - 23.9	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I2	28.95 - 33.95	--	--	--	--	--	--	--	--	--	--	--
WCMW-08S	4.2 - 9.2	--	--	--	--	--	--	--	--	--	--	--
WCMW-08I	19.2 - 24.2	--	--	--	--	--	--	--	--	--	--	--
WCMW-08I2	26.9 - 31.9	--	--	--	--	--	--	--	--	--	--	--
WCMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-10S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-10D	40.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-11S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-11I	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-11D	50.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-12D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	0	--	--	--
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-14S	2.0 - 12.0	0	0	0	0	1	0	0	0	0	0	0
WCMW-14I	20.0 - 25.0	0	0	0	0	2	0	0	0	0	0	0
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-14. OU-4 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentration (µg/L)										
		Sampling Date										
		2016		2017				2018				2019
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-18S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-22S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-23S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-24S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-25I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-25D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-26S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-27S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-27I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-28I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-29S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-29I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-30S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I	20.0 - 25.0	8	7	0	2	6	3	0	0	2	0	0
WCMW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-31S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-32S	2.0 - 12.0	0	0	0	0	--	0	0	0	0	0	0

Table 4-14. OU-4 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentration (µg/L)										
		Sampling Date										
		2019			2020			2021				2022
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
WCMW-01S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-01I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-01D	64.0 - 74.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-02I	34.5 - 44.5	--	--	--	--	--	--	--	--	--	--	--
WCMW-02D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-03S	4.83 - 9.83	--	--	--	--	--	--	--	--	--	--	--
WCMW-03I	19.4 - 24.4	--	--	--	--	--	--	--	--	--	--	--
WCMW-03I2	28.55 - 33.55	--	--	--	--	--	--	--	--	--	--	--
WCMW-04S	1.6 - 11.6	--	--	--	--	--	--	--	--	--	--	--
WCMW-04I	19.0 - 24.0	--	--	--	0	3	--	--	--	--	--	--
WCMW-04I2	29.85 - 34.85	--	--	--	--	--	--	--	--	--	--	--
WCMW-05S	1.15 - 11.15	--	--	--	--	--	--	--	--	--	--	--
WCMW-05I	19.61 - 24.61	0	0	0	0	0	0	0	--	0	--	0
WCMW-05I2	29.46 - 34.46	0	--	--	--	0	--	0	0	0	0	0
WCMW-06S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-06I	19.55 - 24.55	--	--	--	--	--	--	--	--	--	--	--
WCMW-06I2	29.83 - 34.83	--	--	--	--	--	--	--	--	--	--	--
WCMW-07S	2.76 - 12.76	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I	18.9 - 23.9	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I2	28.95 - 33.95	--	--	--	--	--	--	--	--	--	--	--
WCMW-08S	4.2 - 9.2	--	--	--	--	--	--	--	--	--	--	--
WCMW-08I	19.2 - 24.2	--	--	--	--	--	--	--	--	--	--	--
WCMW-08I2	26.9 - 31.9	--	--	--	--	--	--	--	--	--	--	--
WCMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-10S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-10D	40.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-11S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-11I	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-11D	50.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-12D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-14S	2.0 - 12.0	0	0	0	0	0	0	0	0	--	--	--
WCMW-14I	20.0 - 25.0	0	--	--	--	0	--	--	0	--	--	--
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--

Table 4-14. OU-4 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentration (µg/L)										
		Sampling Date										
		2019			2020			2021				2022
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-18S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-22S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-23S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-24S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-25I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-25D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-26S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-27S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-27I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-28I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-29S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-29I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-30S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I	20.0 - 25.0	0	0	4	0	7	0	0.32	0	8	0	6
WCMW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-31S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--
WCMW-32S	2.0 - 12.0	0	0	0	0	0	0	--	0	0	--	--

Table 4-14. OU-4 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentration (µg/L)									
		Sampling Date					Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2022			2023						
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
WCMW-01S	2.0 - 12.0	--	--	--	--	--	0	23	4	0	0
WCMW-01I	35.0 - 45.0	--	--	--	--	--	0	1	0	0	0
WCMW-01D	64.0 - 74.0	--	--	--	--	--	0	2	0	0	0
WCMW-02S	3.0 - 13.0	--	--	--	--	--	0	19	1	0	0
WCMW-02I	34.5 - 44.5	--	--	--	--	--	0	0	0	0	0
WCMW-02D	62.0 - 72.0	--	--	--	--	--	0	0	0	0	0
WCMW-03S	4.83 - 9.83	--	--	--	--	--	0	42	19	0	0
WCMW-03I	19.4 - 24.4	--	--	--	--	--	0	0	0	0	0
WCMW-03I2	28.55 - 33.55	--	--	--	--	--	0	0	0	0	0
WCMW-04S	1.6 - 11.6	--	--	--	--	--	0	40	12	0	0
WCMW-04I	19.0 - 24.0	--	--	--	--	--	0	24	4	0	0
WCMW-04I2	29.85 - 34.85	--	--	--	--	--	0	6	0	0	0
WCMW-05S	1.15 - 11.15	--	--	--	--	--	0	3	0	0	0
WCMW-05I	19.61 - 24.61	0	--	0	0	0	0	10	1	0	0
WCMW-05I2	29.46 - 34.46	0	--	--	--	0	0	2	0	0	0
WCMW-06S	2.0 - 12.0	--	--	--	--	--	0	0	0	0	0
WCMW-06I	19.55 - 24.55	--	--	--	--	--	0	0	0	0	0
WCMW-06I2	29.83 - 34.83	--	--	--	--	--	0	0	0	0	0
WCMW-07S	2.76 - 12.76	--	--	--	--	--	0	0	0	0	0
WCMW-07I	18.9 - 23.9	--	--	--	--	--	0	0	0	0	0
WCMW-07I2	28.95 - 33.95	--	--	--	--	--	0	0	0	0	0
WCMW-08S	4.2 - 9.2	--	--	--	--	--	0	0	0	0	0
WCMW-08I	19.2 - 24.2	--	--	--	--	--	0	0	0	0	0
WCMW-08I2	26.9 - 31.9	--	--	--	--	--	0	0	0	0	0
WCMW-09S	5.0 - 15.0	--	--	--	--	--	0	0	0	0	0
WCMW-10S	15.0 - 20.0	--	--	--	--	--	0	0	0	0	0
WCMW-10D	40.0 - 50.0	--	--	--	--	--	0	1	0	0	0
WCMW-11S	5.0 - 15.0	0	--	--	--	--	0	148	25	0	0
WCMW-11I	25.0 - 35.0	0	--	--	--	--	0	8	1	0	0
WCMW-11D	50.0 - 60.0	0	--	--	--	--	0	0	0	0	0
WCMW-12S	3.0 - 13.0	--	--	--	--	--	0	0	0	0	0
WCMW-12I	25.0 - 30.0	--	--	--	--	--	0	0	0	0	0
WCMW-12D	67.0 - 72.0	--	--	--	--	--	0	2	0	0	0
WCMW-13S	3.0 - 13.0	--	--	--	--	--	0	17	2	0	0
WCMW-13I	25.0 - 30.0	--	--	--	--	--	0	0	0	0	0
WCMW-13D	65.0 - 70.0	--	--	--	--	--	0	0	0	0	0
WCMW-14S	2.0 - 12.0	0	0	--	--	--	0	3	0	0	0
WCMW-14I	20.0 - 25.0	--	--	--	--	--	0	3	0	0	0
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	0	0	0	0	0

Table 4-14. OU-4 Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total BTEX Groundwater Concentration (µg/L)									
		Sampling Date					Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2022			2023						
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
WCMW-14D	67.0 - 72.0	--	--	--	--	--	0	0	0	0	0
WCMW-16S	2.0 - 12.0	--	--	--	--	--	0	9	1	0	0
WCMW-16I	20.0 - 25.0	--	--	--	--	--	0	1	0	0	0
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	0	2	0	0	0
WCMW-17S	2.0 - 12.0	--	--	--	--	--	0	6	3	0	0
WCMW-17I	20.0 - 25.0	--	--	--	--	--	0	2	0	0	0
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	0	0	0	0	0
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	0	0	0	0	0
WCMW-18S	2.0 - 12.0	--	--	--	--	--	0	1	0	0	0
WCMW-18I	20.0 - 25.0	--	--	--	--	--	0	0	0	0	0
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	0	0	0	0	0
WCMW-19S	2.0 - 12.0	--	--	--	--	--	0	0	0	0	0
WCMW-19I	20.0 - 25.0	--	--	--	--	--	0	0	0	0	0
WCMW-19I2	30.0 - 35.0	--	--	--	--	--	0	0	0	0	0
WCMW-20S	2.0 - 12.0	--	--	--	--	--	0	0	0	0	0
WCMW-20I	20.0 - 25.0	--	--	--	--	--	0	0	0	0	0
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	0	0	0	0	0
WCMW-21S	2.0 - 12.0	--	--	--	--	--	0	0	0	0	0
WCMW-21I	20.0 - 25.0	--	--	--	--	--	0	0	0	0	0
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	0	0	0	0	0
WCMW-22S	2.0 - 12.0	--	--	--	--	--	0	0	0	0	0
WCMW-22I	25.0 - 30.0	--	--	--	--	--	0	0	0	0	0
WCMW-23S	2.0 - 12.0	--	--	--	--	--	0	0	0	0	0
WCMW-23I	25.0 - 30.0	--	--	--	--	--	0	0	0	0	0
WCMW-24S	2.0 - 12.0	--	--	--	--	--	0	16	6	0	0
WCMW-24I	20.0 - 25.0	--	--	--	--	--	0	0	0	0	0
WCMW-24I2	30.0 - 35.0	--	--	--	--	--	0	0	0	0	0
WCMW-25I	30.0 - 35.0	--	--	--	--	--	0	1	0	0	0
WCMW-25D	55.0 - 60.0	--	--	--	--	--	0	0	0	0	0
WCMW-26S	2.0 - 12.0	7	--	--	--	--	0	261	68	0	0
WCMW-26I	20.0 - 25.0	0	--	--	--	--	0	169	7	0	0
WCMW-26I2	30.0 - 35.0	0	--	--	--	--	0	0	0	0	0
WCMW-27S	2.0 - 12.0	--	--	--	--	--	4	31	20	0	0
WCMW-27I	20.0 - 25.0	--	--	--	--	--	0	0	0	0	0
WCMW-28S	2.0 - 12.0	--	--	--	--	--	0	0	0	0	0
WCMW-28I	20.0 - 25.0	--	--	--	--	--	0	0	0	0	0
WCMW-29S	2.0 - 12.0	96	--	--	--	--	18	185	80	0	0
WCMW-29I	20.0 - 25.0	0	--	--	--	--	0	0	0	0	0
WCMW-30S	2.0 - 12.0	--	--	--	--	--	0	0	0	0	0
WCMW-30I	20.0 - 25.0	0	0	0	0	0	0	30	8	0	0
WCMW-30I2	30.0 - 35.0	--	--	--	--	--	0	0	0	0	0
WCMW-31S	2.0 - 12.0	--	--	--	--	--	0	4	1	0	0
WCMW-31I	20.0 - 25.0	--	--	--	--	--	0	0	0	0	0
WCMW-31I2	30.0 - 35.0	--	--	--	--	--	0	0	0	0	0
WCMW-32S	2.0 - 12.0	--	0	--	--	--	0	0	0	0	0

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-15. OU-4 Summary Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentration (µg/L)													
		Sampling Date													
		2002		2003			2004				2005				2006
		Jun/Jul	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar
WCMW-01S	2.0 - 12.0	33	756	24	10	117	0	19	228	240	0	51	298	14	0
WCMW-01I	35.0 - 45.0	2	2	0	0	0	--	0	0	--	0	--	--	--	0
WCMW-01D	64.0 - 74.0	45	35	--	0	--	--	0	0	--	--	--	--	--	0
WCMW-02S	3.0 - 13.0	79	125	0	0	62	0	0	44	--	15	--	--	--	0
WCMW-02I	34.5 - 44.5	µg/L	4	0	0	0	--	0	0	--	--	--	--	--	0
WCMW-02D	62.0 - 72.0	0	0	--	--	--	--	0	0	--	--	--	--	--	0
WCMW-03S	4.83 - 9.83	--	74	393	419	481	34	293	458	350	235	171	800	376	--
WCMW-03I	19.4 - 24.4	--	268	1,120	1,100	1,004	1,243	1,261	1,395	1,182	1,532	--	--	1,423	--
WCMW-03I2	28.55 - 33.55	--	327	340	402	348	49	133	191	127	94	--	--	109	--
WCMW-04S	1.6 - 11.6	--	1,080	141	69	270	50	0	219	836	17	136	204	153	116
WCMW-04I	19.0 - 24.0	--	221	174	142	99	0	62	90	--	81	--	--	155	--
WCMW-04I2	29.85 - 34.85	--	0	--	0	0	--	0	17	95	0	--	--	0	--
WCMW-05S	1.15 - 11.15	--	0	31	0	0	0	10	0	14	12	--	--	0	--
WCMW-05I	19.61 - 24.61	--	156	329	243	215	298	227	245	--	276	--	--	338	--
WCMW-05I2	29.46 - 34.46	--	0	0	15	0	--	0	0	214	0	--	--	0	--
WCMW-06S	2.0 - 12.0	--	39	0	0	0	0	0	0	--	--	--	--	--	--
WCMW-06I	19.55 - 24.55	--	0	0	0	0	0	0	0	--	--	--	--	--	--
WCMW-06I2	29.83 - 34.83	--	0	--	0	0	--	0	0	--	--	--	--	--	--
WCMW-07S	2.76 - 12.76	--	0	0	0	56	--	0	--	--	--	--	--	--	--
WCMW-07I	18.9 - 23.9	--	0	--	0	0	--	0	--	--	--	--	--	--	--
WCMW-07I2	28.95 - 33.95	--	0	--	0	0	--	0	--	--	--	--	--	--	--
WCMW-08S	4.2 - 9.2	--	0	0	0	0	--	0	0	--	--	--	--	--	0
WCMW-08I	19.2 - 24.2	--	0	--	0	0	0	0	0	--	--	--	--	--	--
WCMW-08I2	26.9 - 31.9	--	0	--	0	0	--	0	0	--	--	--	--	--	--
WCMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0
WCMW-10S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0
WCMW-10D	40.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0
WCMW-11S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	1,037
WCMW-11I	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0
WCMW-11D	50.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-15. OU-4 Summary Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentration (µg/L)													
		Sampling Date													
		2002		2003			2004				2005				2006
		Jun/Jul	Nov/Dec	Feb-Apr	Jul/Aug	Sep/Oct	Feb/Mar	Apr/May	Jul/Aug	Nov/Dec	Feb/Mar	Jun	Aug	Nov/Dec	Mar
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-25I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-25D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-27S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-27I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-28I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-29S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-29I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-30S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-32S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-15. OU-4 Summary Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentration (µg/L)														
		Sampling Date														
		2006			2007				2008				2009			
		Jun	Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Aug	Oct-Dec
WCMW-01S	2.0 - 12.0	10	340	130	78	291	203	345	47	9	353	77	0	16	26	3
WCMW-01I	35.0 - 45.0	--	--	--	0	--	0	0	0	0	2	0	0	0	46	0
WCMW-01D	64.0 - 74.0	--	--	--	0	--	0	0	0	0	0	0	0	0	2	0
WCMW-02S	3.0 - 13.0	0	30	0	0	0	77	101	0	4	51	27	0	5	0	12
WCMW-02I	34.5 - 44.5	--	--	--	0	--	0	0	0	0	1	0	0	0	0	0
WCMW-02D	62.0 - 72.0	--	--	--	0	--	0	0	0	0	1	0	0	0	0	0
WCMW-03S	4.83 - 9.83	242	339	233	198	240	305	44	122	12	102	239	243	358	419	237
WCMW-03I	19.4 - 24.4	1,770	--	--	--	--	255	315	939	134	290	1,107	142	1,146	994	1,743
WCMW-03I2	28.55 - 33.55	83	--	--	--	--	5	37	6	0	25	24	0	2	5	15
WCMW-04S	1.6 - 11.6	57	264	445	95	214	194	326	186	72	337	332	43	16	272	197
WCMW-04I	19.0 - 24.0	--	--	144	--	--	142	94	70	66	96	100	33	108	101	46
WCMW-04I2	29.85 - 34.85	--	--	0	--	--	0	0	0	0	0	0	0	0	0	2
WCMW-05S	1.15 - 11.15	0	--	--	0	0	3	3	5	3	4	2	5	7	6	8
WCMW-05I	19.61 - 24.61	286	--	--	--	--	242	287	162	153	121	150	170	241	411	432
WCMW-05I2	29.46 - 34.46	0	--	--	--	--	7	31	0	0	39	63	0	48	5	0
WCMW-06S	2.0 - 12.0	--	--	--	0	0	1	0	0	4	0	0	0	0	0	0
WCMW-06I	19.55 - 24.55	--	--	--	--	--	52	0	0	0	0	0	0	0	0	0
WCMW-06I2	29.83 - 34.83	--	--	--	--	--	0	11	0	0	0	0	0	0	0	0
WCMW-07S	2.76 - 12.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I	18.9 - 23.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I2	28.95 - 33.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-08S	4.2 - 9.2	--	--	--	--	--	0	0	0	--	0	--	--	--	--	--
WCMW-08I	19.2 - 24.2	--	--	--	--	--	0	0	0	--	0	--	--	--	--	--
WCMW-08I2	26.9 - 31.9	--	--	--	--	--	0	0	0	--	0	--	--	--	--	--
WCMW-09S	5.0 - 15.0	0	0	--	--	--	0	0	0	0	0	0	0	0	0	0
WCMW-10S	15.0 - 20.0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	5
WCMW-10D	40.0 - 50.0	0	0	--	--	--	0	0	0	0	0	0	0	0	0	3
WCMW-11S	5.0 - 15.0	--	590	--	--	--	--	--	--	705	--	--	--	624	637	238
WCMW-11I	25.0 - 35.0	--	0	--	--	--	--	--	--	0	--	--	--	0	10	1
WCMW-11D	50.0 - 60.0	--	0	--	--	--	--	--	--	0	--	--	--	0	0	0
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	2	5	4	1	4	13	0	3
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	0	0	0	0	0	5	5	16
WCMW-12D	67.0 - 72.0	--	--	--	--	--	--	--	0	0	1	0	0	0	0	0
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	0	0	1	53	0	0	0	0
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	0	0	0	0	0	0	0	0
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	0	0	0	1	0	0	0	0
WCMW-14S	2.0 - 12.0	--	--	--	--	--	--	--	0	0	0	0	0	6	0	4
WCMW-14I	20.0 - 25.0	--	--	--	--	--	--	--	16	77	0	2	2	50	64	81
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	0	0	70	10	1	11	0	18
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	0	0	0	0	0	2	0	0
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	4	28	57	0	24	22	0	1,971
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	0	0	0	0	0	18	0	2

Table 4-15. OU-4 Summary Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentration (µg/L)														
		Sampling Date														
		2006			2007				2008				2009			
		Jun	Jul/Aug	Nov/Dec	Mar	May-Jul	Aug-Oct	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Aug	Oct-Dec
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	0	0	0	0	0	4	55	5
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	295	226	201
WCMW-17I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	292	342	38
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	0	16	0
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-18S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-18I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0
WCMW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0
WCMW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0
WCMW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	2
WCMW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0
WCMW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0
WCMW-21I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0
WCMW-22S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	61	56
WCMW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	5	1
WCMW-23S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	34	16
WCMW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	0	0
WCMW-24S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	237
WCMW-24I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10
WCMW-24I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
WCMW-25I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
WCMW-25D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
WCMW-26S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	350
WCMW-26I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	47
WCMW-26I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3
WCMW-27S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	141
WCMW-27I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
WCMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	251
WCMW-28I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2
WCMW-29S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-29I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-30S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-32S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-15. OU-4 Summary Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentration (µg/L)													
		Sampling Date													
		2010				2011				2012				2013	
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
WCMW-01S	2.0 - 12.0	4	14	115	49	18	--	--	--	--	--	--	--	--	--
WCMW-01I	35.0 - 45.0	1	0	0	0	0	--	--	--	--	--	--	--	--	--
WCMW-01D	64.0 - 74.0	0	0	0	0	0	--	--	--	--	--	--	--	--	--
WCMW-02S	3.0 - 13.0	3	0	2	56	38	9	15	69	94	87	58	--	67.5	84
WCMW-02I	34.5 - 44.5	0	0	0	0	0	0	0	0	0	0	1	--	--	0
WCMW-02D	62.0 - 72.0	0	0	0	0	0	0	0	5	0	0	1	0	0	0
WCMW-03S	4.83 - 9.83	501	6	327	363	1,532	--	--	--	--	--	--	--	--	--
WCMW-03I	19.4 - 24.4	1,127	1,332	1,213	1,101	6	--	--	--	--	--	--	--	--	--
WCMW-03I2	28.55 - 33.55	0	535	0	9	8	--	--	--	--	--	--	--	--	--
WCMW-04S	1.6 - 11.6	204	227	251	390	369	262	315	132	98	60	22	20	35	12
WCMW-04I	19.0 - 24.0	15	30	97	130	95	44	174	432	411	251	198	199	299	306
WCMW-04I2	29.85 - 34.85	0	0	0	1	0	0	285	79	73	126	73	102	41	95
WCMW-05S	1.15 - 11.15	8	7	38	34	284	8	42	0	94	74	76	49	97	49
WCMW-05I	19.61 - 24.61	270	83	43	217	28	136	407	173	225	147	177	147	162	229
WCMW-05I2	29.46 - 34.46	0	0	19	30	0	0	778	264	306	266	112	199	173	350
WCMW-06S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	--	--	0
WCMW-06I	19.55 - 24.55	0	0	0	0	0	0	0	0	0	0	0	--	--	0
WCMW-06I2	29.83 - 34.83	0	0	0	0	0	0	0	0	0	0	0	--	--	0
WCMW-07S	2.76 - 12.76	--	--	--	--	0	--	--	--	0	--	--	--	--	--
WCMW-07I	18.9 - 23.9	--	--	--	--	0	--	--	--	0	--	--	--	--	--
WCMW-07I2	28.95 - 33.95	--	--	--	--	0	--	--	--	0	--	--	--	--	--
WCMW-08S	4.2 - 9.2	0	--	--	--	--	--	--	--	0	--	--	--	--	0
WCMW-08I	19.2 - 24.2	0	--	--	--	--	--	--	--	0	--	--	--	--	0
WCMW-08I2	26.9 - 31.9	0	--	--	--	--	--	--	--	0	--	--	--	--	0
WCMW-09S	5.0 - 15.0	0	0	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-10S	15.0 - 20.0	0	0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-10D	40.0 - 50.0	0	0	--	--	--	--	--	--	--	--	--	0	0	0
WCMW-11S	5.0 - 15.0	159	--	496	1,350	386	1,286	1,258	--	375	392	266	--	129	56
WCMW-11I	25.0 - 35.0	20	--	0	62	36	5	182	--	61	188	318	--	73	25
WCMW-11D	50.0 - 60.0	2	--	0	0	0	0	0	--	0	0	0	--	--	0
WCMW-12S	3.0 - 13.0	0	2	0	0	0	2	2	0	0	3	5	--	--	1
WCMW-12I	25.0 - 30.0	0	0	0	0	0	0	30	4	1	0	0	--	--	89
WCMW-12D	67.0 - 72.0	0	0	0	0	0	0	0	0	0	0	2	--	--	0
WCMW-13S	3.0 - 13.0	1	0	0	0	0	0	2	75	229	219	156	141	2	0
WCMW-13I	25.0 - 30.0	0	0	0	0	0	0	0	0	0	2	0	--	--	0
WCMW-13D	65.0 - 70.0	0	0	0	0	0	0	0	0	0	0	0	--	--	0
WCMW-14S	2.0 - 12.0	20	23	26	0	3	0	29	263	143	56	90	81	58	81
WCMW-14I	20.0 - 25.0	149	214	149	65	24	25	376	125	125	258	231	165	149	167
WCMW-14I2	30.0 - 35.0	57	25	95	201	160	9	71	0	0	0	6	--	--	0
WCMW-14D	67.0 - 72.0	0	0	0	0	0	0	0	0	0	0	0	--	--	0
WCMW-16S	2.0 - 12.0	2,259	337	43	56	51	--	--	--	--	--	--	--	--	--
WCMW-16I	20.0 - 25.0	13	6	14	14	6	--	--	--	--	--	--	--	--	--

Table 4-15. OU-4 Summary Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentration (µg/L)													
		Sampling Date													
		2010				2011				2012				2013	
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
WCMW-16I2	30.0 - 35.0	15	10	17	0	1	--	--	--	--	--	--	--	--	--
WCMW-17S	2.0 - 12.0	141	339	431	407	339	--	--	--	--	--	--	--	--	--
WCMW-17I	20.0 - 25.0	186	338	394	322	258	--	--	--	--	--	--	--	--	--
WCMW-17I2	30.0 - 35.0	12	12	31	0	20	--	--	--	--	--	--	--	--	--
WCMW-18WT	2.0 - 7.0	0	0	0	0	0	--	--	--	--	--	--	--	--	--
WCMW-18S	2.0 - 12.0	0	0	0	0	0	--	--	--	--	--	--	--	--	--
WCMW-18I	20.0 - 25.0	0	0	0	0	0	--	--	--	--	--	--	--	--	--
WCMW-18I2	30.0 - 35.0	0	0	0	0	0	--	--	--	--	--	--	--	--	--
WCMW-19S	2.0 - 12.0	0	0	0	0	0	0	0	0	0	0	0	--	--	0
WCMW-19I	20.0 - 25.0	0	0	0	0	0	0	0	0	0	0	0	--	--	0
WCMW-19I2	30.0 - 35.0	0	0	0	0	0	0	0	0	0	0	0	--	--	0
WCMW-20S	2.0 - 12.0	0	0	0	0	0	0	--	--	--	--	--	--	--	--
WCMW-20I	20.0 - 25.0	0	0	0	0	0	0	--	--	--	--	--	--	--	--
WCMW-20I2	30.0 - 35.0	0	0	0	0	0	0	--	--	--	--	--	--	--	--
WCMW-21S	2.0 - 12.0	0	0	0	0	0	0	--	--	--	--	--	--	--	--
WCMW-21I	20.0 - 25.0	0	0	0	0	0	0	--	--	--	--	--	--	--	--
WCMW-21I2	30.0 - 35.0	0	0	0	0	0	0	--	--	--	--	--	--	--	--
WCMW-22S	2.0 - 12.0	54	--	--	--	--	--	--	--	59	--	--	--	--	37
WCMW-22I	25.0 - 30.0	0	--	--	--	--	--	--	--	0	--	--	--	--	0
WCMW-23S	2.0 - 12.0	0	--	--	--	--	--	--	--	--	--	--	--	--	17
WCMW-23I	25.0 - 30.0	0	--	--	--	--	--	--	--	--	--	--	--	--	0
WCMW-24S	2.0 - 12.0	336	--	215	170	158	271	--	--	--	--	--	--	--	--
WCMW-24I	20.0 - 25.0	53	--	32	40	98	58	--	--	--	--	--	--	--	--
WCMW-24I2	30.0 - 35.0	0	--	0	0	0	0	--	--	--	--	--	--	--	--
WCMW-25I	30.0 - 35.0	54	0	0	0	0	0	20	0	0	7	0	--	--	0
WCMW-25D	55.0 - 60.0	0	0	0	0	0	0	0	0	0	0	0	--	--	0
WCMW-26S	2.0 - 12.0	232	--	394	146	204	331	243	--	352	436	290	--	217	190
WCMW-26I	20.0 - 25.0	24	--	87	28	0	26	56	--	7	25	12	--	86	111
WCMW-26I2	30.0 - 35.0	24	--	11	10	7	5	0	--	1	9	3	--	--	2
WCMW-27S	2.0 - 12.0	0	278	708	0	699	--	--	--	--	--	--	--	--	--
WCMW-27I	20.0 - 25.0	0	0	0	0	0	--	--	--	--	--	--	--	--	--
WCMW-28S	2.0 - 12.0	36	97	396	301	128	--	--	--	--	--	--	--	--	--
WCMW-28I	20.0 - 25.0	0	0	0	0	0	--	--	--	--	--	--	--	--	--
WCMW-29S	2.0 - 12.0	--	--	2,391	2,154	1,092	1,599	--	--	2,374	1,420	1,986	--	2,123	1,615
WCMW-29I	20.0 - 25.0	--	--	43	29	10	17	--	--	5	10	24	--	--	60
WCMW-30S	2.0 - 12.0	--	--	--	--	--	--	--	--	14	49	18	8	7	16
WCMW-30I	20.0 - 25.0	--	--	--	--	--	--	--	--	169	486	654	585	373	602
WCMW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	3	12	1	108	46	0
WCMW-31S	2.0 - 12.0	--	--	--	--	--	--	--	--	427	353	53	35	241	199
WCMW-31I	20.0 - 25.0	--	--	--	--	--	--	--	--	31	18	9	0	7	10
WCMW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	69	4	0	0	0	0
WCMW-32S	2.0 - 12.0	--	--	--	--	--	--	--	--	304	286	189	4	247	269

Table 4-15. OU-4 Summary Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentration (µg/L)														
		Sampling Date														
		2013		2014				2015				2016				2017
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
WCMW-01S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-01I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-01D	64.0 - 74.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-02S	3.0 - 13.0	62	77	86	45	78	43	27	25	--	--	--	48	--	--	--
WCMW-02I	34.5 - 44.5	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
WCMW-02D	62.0 - 72.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
WCMW-03S	4.83 - 9.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-03I	19.4 - 24.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-03I2	28.55 - 33.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-04S	1.6 - 11.6	--	--	--	10	--	--	--	--	--	--	--	--	--	--	--
WCMW-04I	19.0 - 24.0	149	232	221	212	352	303	162	280	187	246	265	304	245	254	1
WCMW-04I2	29.85 - 34.85	14	116	28	13	24	18	7	2	--	--	--	27	--	--	--
WCMW-05S	1.15 - 11.15	2	39	94	48	24	--	--	--	--	--	--	2	--	--	--
WCMW-05I	19.61 - 24.61	100	230	137	220	324	319	164	190	176	201	180	152	138	186	0
WCMW-05I2	29.46 - 34.46	55	237	138	56	100	51	13	100	--	123	76	155	168	121	--
WCMW-06S	2.0 - 12.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
WCMW-06I	19.55 - 24.55	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
WCMW-06I2	29.83 - 34.83	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
WCMW-07S	2.76 - 12.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I	18.9 - 23.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I2	28.95 - 33.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-08S	4.2 - 9.2	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
WCMW-08I	19.2 - 24.2	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
WCMW-08I2	26.9 - 31.9	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
WCMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-10S	15.0 - 20.0	--	0	--	0	--	--	--	0	--	--	--	--	--	--	--
WCMW-10D	40.0 - 50.0	--	0	--	0	--	--	--	0	--	--	--	--	--	--	--
WCMW-11S	5.0 - 15.0	32	77	244	102	77	58	61	127	41	47	--	--	--	--	--
WCMW-11I	25.0 - 35.0	392	380	136	25	46	249	25	18	192	54	--	--	--	--	--
WCMW-11D	50.0 - 60.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
WCMW-12S	3.0 - 13.0	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--
WCMW-12I	25.0 - 30.0	--	--	--	40	--	--	--	--	--	--	--	--	--	--	--
WCMW-12D	67.0 - 72.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
WCMW-13S	3.0 - 13.0	134	176	185	9	157	59	0	0	43	51	3	0	--	--	--
WCMW-13I	25.0 - 30.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
WCMW-13D	65.0 - 70.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
WCMW-14S	2.0 - 12.0	15	53	64	41	36	31	42	39	66	--	37	28	72	78	0
WCMW-14I	20.0 - 25.0	243	256	96	86	234	106	5	2	58	180	7	17	188	156	0
WCMW-14I2	30.0 - 35.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
WCMW-14D	67.0 - 72.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-15. OU-4 Summary Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentration (µg/L)														
		Sampling Date														
		2013		2014				2015				2016				2017
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19S	2.0 - 12.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I	20.0 - 25.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I2	30.0 - 35.0	--	--	--	3	--	--	--	--	--	--	--	--	--	--	--
WCMW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22S	2.0 - 12.0	--	--	--	--	--	--	--	27	--	--	--	--	--	--	--
WCMW-22I	25.0 - 30.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
WCMW-23S	2.0 - 12.0	--	--	--	13	--	--	--	--	--	--	--	--	--	--	--
WCMW-23I	25.0 - 30.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
WCMW-24S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-25I	30.0 - 35.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
WCMW-25D	55.0 - 60.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
WCMW-26S	2.0 - 12.0	406	2,081	748	335	357	557	257	404	973	1,597	--	--	--	--	--
WCMW-26I	20.0 - 25.0	5	60	55	10	42	19	74	3	27	69	--	--	--	--	--
WCMW-26I2	30.0 - 35.0	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--
WCMW-27S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-27I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-28I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-29S	2.0 - 12.0	1,746	2,172	1,756	1,952	1,889	1,466	2,390	1,424	1,175	1,191	--	--	--	--	--
WCMW-29I	20.0 - 25.0	--	208	87	36	41	93	8	22	107	140	--	--	--	--	--
WCMW-30S	2.0 - 12.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I	20.0 - 25.0	663	606	295	307	458	478	102	339	267	352	178	285	313	309	0
WCMW-30I2	30.0 - 35.0	20	118	0	0	0	--	--	0	--	--	--	0	--	--	--
WCMW-31S	2.0 - 12.0	35	22	68	45	18	--	--	36	--	--	--	48	--	--	--
WCMW-31I	20.0 - 25.0	--	--	--	8	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I2	30.0 - 35.0	--	--	--	0	--	--	--	--	--	--	--	--	--	--	--
WCMW-32S	2.0 - 12.0	97	25	184	167	63	256	280	12	20	13	141	23	--	0	0

Table 4-15. OU-4 Summary Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentration (µg/L)													
		Sampling Date													
		2017			2018				2019				2020		
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec
WCMW-01S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-01I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-01D	64.0 - 74.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-02I	34.5 - 44.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-02D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-03S	4.83 - 9.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-03I	19.4 - 24.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-03I2	28.55 - 33.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-04S	1.6 - 11.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-04I	19.0 - 24.0	238	305	349	99	108.6	--	--	--	--	--	--	58	226	--
WCMW-04I2	29.85 - 34.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-05S	1.15 - 11.15	--	--	--	--	14.6	31	--	--	--	--	--	--	--	--
WCMW-05I	19.61 - 24.61	183	237	211	335	313.6	173	320	121	310	255	305	195	12	247
WCMW-05I2	29.46 - 34.46	71	--	78	1	5.3	148	7	--	0	--	--	--	161	--
WCMW-06S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-06I	19.55 - 24.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-06I2	29.83 - 34.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-07S	2.76 - 12.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I	18.9 - 23.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-07I2	28.95 - 33.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-08S	4.2 - 9.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-08I	19.2 - 24.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-08I2	26.9 - 31.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-10S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-10D	40.0 - 50.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11I	25.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-11D	50.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-12D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13S	3.0 - 13.0	--	--	--	--	3.4	--	--	--	--	--	--	--	--	--
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14S	2.0 - 12.0	42	74	85	15	91.5	123	1	100	0	19	41	35	1	3
WCMW-14I	20.0 - 25.0	11	193	173	1	0.69	12	2	0	0	--	--	--	17	--
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 4-15. OU-4 Summary Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentration (µg/L)													
		Sampling Date													
		2017			2018				2019				2020		
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Jul-Sep	Oct-Dec
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-24I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-25I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-25D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-26I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-27S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-27I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-28I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-29S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-29I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-30S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-30I	20.0 - 25.0	255	404	288	143	39.77	130	119	56	13	139	106	101	28	0
WCMW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WCMW-32S	2.0 - 12.0	116	--	2	35	70.2	8	31	116	144	8	2	0	2	0

Table 4-15. OU-4 Summary Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentration (µg/L)														
		Sampling Date										Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2021				2022				2023						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
WCMW-01S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	0	756	115	0	756
WCMW-01I	35.0 - 45.0	--	--	--	--	--	--	--	--	--	--	0	46	2	0	46
WCMW-01D	64.0 - 74.0	--	--	--	--	--	--	--	--	--	--	0	45	4	0	45
WCMW-02S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	0	125	36	0	125
WCMW-02I	34.5 - 44.5	--	--	--	--	--	--	--	--	--	--	0	4	0	0	4
WCMW-02D	62.0 - 72.0	--	--	--	--	--	--	--	--	--	--	0	5	0	0	5
WCMW-03S	4.83 - 9.83	--	--	--	--	--	--	--	--	--	--	6	1,532	317	6	1,532
WCMW-03I	19.4 - 24.4	--	--	--	--	--	--	--	--	--	--	6	1,770	967	6	1,770
WCMW-03I2	28.55 - 33.55	--	--	--	--	--	--	--	--	--	--	0	535	111	0	0
WCMW-04S	1.6 - 11.6	--	--	--	--	--	--	--	--	--	--	0	1,080	203	0	0
WCMW-04I	19.0 - 24.0	--	--	--	--	--	--	--	--	--	--	0	432	170	0	0
WCMW-04I2	29.85 - 34.85	--	--	--	--	--	--	--	--	--	--	0	285	29	0	0
WCMW-05S	1.15 - 11.15	--	--	--	--	--	--	--	--	--	--	0	284	27	0	0
WCMW-05I	19.61 - 24.61	153	--	185	--	197	131	--	292	74	231	0	432	209	74	292
WCMW-05I2	29.46 - 34.46	0	0	49	28	0	0	--	--	--	41	0	778	80	41	41
WCMW-06S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	0	39	1	0	0
WCMW-06I	19.55 - 24.55	--	--	--	--	--	--	--	--	--	--	0	52	2	0	0
WCMW-06I2	29.83 - 34.83	--	--	--	--	--	--	--	--	--	--	0	11	0	0	0
WCMW-07S	2.76 - 12.76	--	--	--	--	--	--	--	--	--	--	0	56	8	0	0
WCMW-07I	18.9 - 23.9	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-07I2	28.95 - 33.95	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-08S	4.2 - 9.2	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-08I	19.2 - 24.2	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-08I2	26.9 - 31.9	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-09S	5.0 - 15.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-10S	15.0 - 20.0	--	--	--	--	--	--	--	--	--	--	0	21	1	0	0
WCMW-10D	40.0 - 50.0	--	--	--	--	--	--	--	--	--	--	0	3	0	0	0
WCMW-11S	5.0 - 15.0	--	--	--	--	--	30	--	--	--	--	30	1,350	389	0	0
WCMW-11I	25.0 - 35.0	--	--	--	--	--	0	--	--	--	--	0	392	89	0	0
WCMW-11D	50.0 - 60.0	--	--	--	--	--	0	--	--	--	--	0	2	0	0	0
WCMW-12S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	0	13	2	0	0
WCMW-12I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	0	89	9	0	0
WCMW-12D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	0	2	0	0	0
WCMW-13S	3.0 - 13.0	--	--	--	--	--	--	--	--	--	--	0	229	49	0	0
WCMW-13I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	0	2	0	0	0
WCMW-13D	65.0 - 70.0	--	--	--	--	--	--	--	--	--	--	0	1	0	0	0
WCMW-14S	2.0 - 12.0	0	0	--	--	--	0	30	--	--	--	0	263	40	30	30
WCMW-14I	20.0 - 25.0	--	0	--	--	--	--	--	--	--	--	0	376	95	0	0
WCMW-14I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	0	201	35	0	0
WCMW-14D	67.0 - 72.0	--	--	--	--	--	--	--	--	--	--	0	2	0	0	0
WCMW-16S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	0	2,259	373	0	0
WCMW-16I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	0	18	6	0	0

Table 4-15. OU-4 Summary Historical Total PAH Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

Well ID	Screen Interval (feet bgs)	Total PAH Groundwater Concentration (µg/L)														
		Sampling Date										Historic Minimum	Historic Maximum	Historic Average	Current Minimum	Current Maximum
		2021				2022				2023						
		Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun					
WCMW-16I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	0	55	8	0	0
WCMW-17S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	141	431	297	0	0
WCMW-17I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	38	394	271	0	0
WCMW-17I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	0	31	11	0	0
WCMW-18WT	2.0 - 7.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-18S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-18I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-18I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-19S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-19I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-19I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	0	3	0	0	0
WCMW-20S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	0	2	0	0	0
WCMW-20I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-20I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-21S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-21I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-21I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-22S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	27	61	49	0	0
WCMW-22I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	0	5	1	0	0
WCMW-23S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	0	34	16	0	0
WCMW-23I	25.0 - 30.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-24S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	158	336	231	0	0
WCMW-24I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	10	98	49	0	0
WCMW-24I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-25I	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	0	54	6	0	0
WCMW-25D	55.0 - 60.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-26S	2.0 - 12.0	--	--	--	--	--	9	--	--	--	--	9	2,081	483	0	0
WCMW-26I	20.0 - 25.0	--	--	--	--	--	4	--	--	--	--	0	111	38	0	0
WCMW-26I2	30.0 - 35.0	--	--	--	--	--	0	--	--	--	--	0	24	6	0	0
WCMW-27S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	0	708	304	0	0
WCMW-27I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0
WCMW-28S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	36	396	202	0	0
WCMW-28I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	0	2	0	0	0
WCMW-29S	2.0 - 12.0	--	--	--	--	--	276	--	--	--	--	276	2,391	1,710	0	0
WCMW-29I	20.0 - 25.0	--	--	--	--	--	3	--	--	--	--	3	208	52	0	0
WCMW-30S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	0	49	16	0	0
WCMW-30I	20.0 - 25.0	119	90	108	124	235	0	0	0	78	0	0	663	252	0	78
WCMW-30I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	0	118	24	0	0
WCMW-31S	2.0 - 12.0	--	--	--	--	--	--	--	--	--	--	18	427	122	0	0
WCMW-31I	20.0 - 25.0	--	--	--	--	--	--	--	--	--	--	0	31	12	0	0
WCMW-31I2	30.0 - 35.0	--	--	--	--	--	--	--	--	--	--	0	69	10	0	0
WCMW-32S	2.0 - 12.0	--	0	0	--	--	--	0	--	--	--	0	304	89	0	0

Notes for groundwater tables are compiled at the end of the Tables in this section.

Table 4-16. OU-4. Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

				Operable Unit Area	Former Cesspool Area				
				Aquifer Zone	Shallow	Intermediate			
				Operable Unit	OU-4	OU-4	OU-4	OU-4	OU-4
				Sample Name	WCMW-32S	WCMW-05I	WCMW-05I	DUP-04	WCMW-05I	WCMW-05I2
				Start Depth	2	19.61	19.62	19.62	19.62	29.46
				End Depth	12	24.61	24.62	24.62	24.62	34.46
				Depth Unit	ft	ft	ft	ft	ft	ft
				Sample Date	7/12/2022	12/19/2022	1/25/2023	1/25/2023	5/30/2023	5/30/2023
				Validation Level	Level 4	Level 2				
Analyte	Units	CAS no.	NYS AWQS						
BTEX	µg/L								
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	ND	ND	ND	ND	ND	ND
PAH17	µg/L								
Acenaphthene		83-32-9	20*	10 U	**66**	**51**	**52**	**66**	**2.1 J**
Acenaphthylene		208-96-8	NE	10 U	**8 J**	**2.6 J**	**16**	**15**	**12**
Anthracene		120-12-7	50*	10 U	**13**	10 U	**8.3 J**	**9.6 J**	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	**1.3**	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 UJ	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	**0.56 J**	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	**1.1 J**	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 UJ	1 U	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	**3.8 J**	10 U	**2 J**	**2.6 J**	10 U
Fluorene		86-73-7	50*	10 U	**47**	**7.8 J**	**33**	**43**	**5 J**
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 UJ	2 U*	2 U	2 U	2 U*	2 U*
2-Methylnaphthalene		91-57-6	NE	10 U	**37**	10 U	**19**	**15**	**16**
Naphthalene		91-20-3	10*	2 U	**47**	2 U	**24**	**20**	**3.1**
Phenanthrene		85-01-8	50*	10 U	**62**	**13**	**46**	**56**	**2.6 J**
Pyrene		129-00-0	50*	10 U	**4.9 J**	10 U	**3.3 J**	**3.7 J**	10 U
Total PAH (17)		TPAH17_ND0	NE	ND	**292**	**74**	**204**	**231**	**41**

Table 4-16. OU-4. Summary of Expanded Groundwater Analytical Results
Quarterly Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site
Bay Shore, NY

				Operable Unit Area	Former Cesspool Area			Former Pond Area
				Aquifer Zone	Intermediate			Shallow
				Operable Unit	OU-4	OU-4	OU-4	OU-4
				Sample Name	WCMW-30I	WCMW-30I	WCMW-30I	WCMW-30I	WCMW-14S
				Start Depth	20	20	20	20	2
				End Depth	25	25	25	25	12
				Depth Unit	ft	ft	ft	ft	ft
				Sample Date	7/12/2022	11/22/2022	1/25/2023	5/30/2023	8/1/2022
				Validation Level	Level 4	Level 2			Level 2
Analyte	**Units**	**CAS no.**	**NYS AWQS**						
BTEX	µg/L								
Benzene		71-43-2	1	1 U	1 U	1 U	1 U	1 U
Toluene		108-88-3	5	1 U	1 U	1 U	1 U	1 U
Ethylbenzene		100-41-4	5	1 U	1 U	1 U	1 U	1 U
Total Xylene		1330-20-7	5	2 U	2 U	2 U	2 U	2 U
Total BTEX		TBTEX_ND0	NE	ND	ND	ND	ND	ND
PAH17	µg/L							
Acenaphthene		83-32-9	20*	10 U	10 U	**53**	10 U	**19**
Acenaphthylene		208-96-8	NE	10 U	10 U	**2.7 J**	10 U	**2.9 J**
Anthracene		120-12-7	50*	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene		56-55-3	0.002*	1 U	1 U	1 U	1 U	1 U
Benzo(b)fluoranthene		205-99-2	0.002*	2 U	2 U	2 U	2 U	2 U
Benzo(k)fluoranthene		207-08-9	0.002*	1 U	1 U	1 U	1 U	1 U
Benzo(g,h,i)perylene		191-24-2	NE	10 UJ	10 U	10 U	10 U	10 U
Benzo(a)pyrene		50-32-8	ND	1 U	1 U	1 U	1 U	1 U
Chrysene		218-01-9	0.002*	2 U	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene		53-70-3	NE	1 UJ	1 U	1 U	1 U	1 U
Fluoranthene		206-44-0	50*	10 U	10 U	10 U	10 U	**1.2 J**
Fluorene		86-73-7	50*	10 U	10 U	**8.7 J**	10 U	**4.9 J**
Indeno(1,2,3-cd)pyrene		193-39-5	0.002*	2 UJ	2 U	2 U	2 U*	2 U
2-Methylnaphthalene		91-57-6	NE	10 U	10 U	10 U	10 U	10 U
Naphthalene		91-20-3	10*	2 U	2 U	2 U	2 U	2 U
Phenanthrene		85-01-8	50*	10 U	10 U	**14**	10 U	10 U
Pyrene		129-00-0	50*	10 U	10 U	10 U	10 U	**1.8 J**
Total PAH (17)		TPAH17_ND0	NE	ND	ND	**78**	ND	**29.8**

Figures

LEGEND:

GM-02AS	ACTIVE MONITORING WELL
MW-47W	INACTIVE OR HISTORICAL MONITORING WELL
MW-19D	DESTROYED MONITORING WELL
MW-06D	UNABLE TO LOCATE MONITORING WELL
MW-59	ABANDONED MONITORING WELL
MW-68S	CONDITION UNKNOWN (IS OR POTENTIALLY LOCATED ON PRIVATE PROPERTY)
OU2MW-01WT OU2MW-01S OU2MW-01I OU2MW-01I2 OU2MW-01D	EXISTING MONITORING WELL CLUSTER WT=WATER TABLE S=SHALLOW I=INTERMEDIATE I2= INTERMEDIATE TWO D=DEEP
TG-29I2	TEMPORARY RECOVERY WELL
OU2SG-07	PERMANENT SOIL VAPOR SAMPLE (2004 THROUGH 2010)
OU2-AA01	AMBIENT AIR SAMPLE LOCATION
BBSW-06	SURFACE WATER GAUGING STATION LOCATION
	INSTALLED OXYGEN INJECTION LINE
	OXYGEN INJECTION LINE - SHUT OFF
	ABANDONED OXYGEN INJECTION LINE
	HISTORICAL REMEDIAL INVESTIGATION 2004 PLUME BOUNDARY BASED ON >100 µg/L BTEX OR >100 µg/L TOTAL PAHs DETECTED IN GROUNDWATER
	OU-2, OU-3 AND OU-4 EXTENTS FROM BASELINE Q1 2009 BASED ON >100 µg/L BTEX OR >100 µg/L TOTAL PAHs DETECTED IN GROUNDWATER
	OU-2, OU-3 AND OU-4 EXTENTS FROM Q2 2023 BASED ON >100 µg/L BTEX OR >100 µg/L TOTAL PAHs DETECTED IN GROUNDWATER

SOURCES:

1. MAP TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP" DATED: SEPT. 2002 BY DVIRKA AND BARTILUCCI.
2. FIGURE 2, GROUNDWATER MONITORING WELL AND SURFACE WATER GAUGING STATION LOCATION MAP, BAY SHORE/BRIGHTWATERS FORMER MGP SITE, SCALE: 1"=200', DATED JANUARY 2004, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
3. DRAWING C-1, OFF-SITE SAMPLE LOCATION MAP, BAY SHORE/BRIGHTWATERS FINAL REMEDIAL INVESTIGATION, SCALE: 1"=200', DATED OCTOBER 15, 2003, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
4. PROPERTY BOUNDARY LOCATIONS WERE DETERMINED BY OTHERS USING AERIAL PHOTOGRAPHS AND TAX MAPS. PROPERTY BOUNDARIES ARE APPROXIMATE AND MONITORING WELLS LOCATED NEAR OR AT PROPERTY BOUNDARIES DEPICTED ON THE MAP ARE WITHIN THE ROAD RIGHT-OF-WAY.

NOTES:

1. WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).
2. * INDICATES MONITORING WELL LOCATION SHOWN IS APPROXIMATE.

0 200' 400'
SCALE: 1" = 200'

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

MONITORING WELL, SOIL VAPOR SAMPLE, AMBIENT AIR SAMPLE, AND SURFACE WATER GAUGING STATION LOCATION MAP

Project 1905774 | November 2023 | Fig. 1

\\geiconsulta \\geiconsultants.com\data\Data_Storage\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2023\Q2\1_1905774_OMMQ223_WELLS.DWG - 11/8/2023

LEGEND:

- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED

OU-4 CESSPOOL EXCAVATION IRM (COMPLETED NOVEMBER 2005)

OU-4 CESSPOOL AREA EXCAVATION (EXCAVATION COMPLETED - JULY 2011)

OU-4 CESSPOOL AREA S-ISCO TREATMENT (COMPLETED DECEMBER 2009)

OU-4 UPGRADIENT EXCAVATION IRM (EXCAVATION COMPLETE - JUNE 2011)

OU-4 UPGRADIENT INVESTIGATION (COMPLETED SEPTEMBER 2009)

OU-4 POND AREA EXCAVATION IRM (EXCAVATION COMPLETED - AUGUST 2011)

WATCHOGUE CREEK/ CRUM'S BROOK

SEDIMENTS REMOVED AND CHANNEL RESTORED IN 2000

OU-4

OU-4 GROUNDWATER MONITORING (ONGOING)

OU-1 ISCO PHASE 3 INVESTIGATION (COMPLETED SEPTEMBER 2009)

PERSULFATE PILOT STUDY (COMPLETED 2004)

FENTON'S PILOT STUDY (COMPLETED 2004)

SISCO PILOT STUDY (2006)

OU-1 NORTH OXYGEN INJECTION SYSTEM (COMPLETED OCTOBER 2013)

OU-1 SOUTHERN CELL EXCAVATION AREA (COMPLETED APRIL 2007)

SUBSURFACE CONTAINMENT BARRIER (COMPLETED MAY 2008)

1591/1575 UNION BOULEVARD PRE-DESIGN INVESTIGATION (COMPLETED - SEPTEMBER 2010)

OU-1 UNION BOULEVARD OXYGEN INJECTION LINE EXTENSION (COMPLETED - JUNE 2011)

OU-1 UNION BOULEVARD OXYGEN INJECTION SYSTEM (COMPLETED FEBRUARY 2008)

TEMPORARY AND PERMANENT DNAPL RECOVERY WELL INSTALLATION (COMPLETED OCTOBER 2011)

OU-1 OZONE INJECTION SYSTEM (COMPLETED OCTOBER 2009)

OU-1 EXCAVATION NORTH OF RAILROAD (COMPLETED AUGUST 2008)

OU-1 BAY SHORE SITE

TAR GOST® STUDY OU-1 NORTH & OU-1 SOUTH (PERFORMED AUGUST 2011)

33 N. CLINTON/COOPER LANE OXYGEN INJECTION LINE (COMPLETED MARCH 2009)

OU-1/OU-2 OXYGEN INJECTION SYSTEM MODIFICATIONS (COMPLETED OCTOBER 2013)

DNAPL RECOVERY SYSTEM (COMPLETED 2006)

OU-1/OU-2 GROUNDWATER AND OXYGEN INJECTION SYSTEM OM&M (ONGOING)

LIRR NORTH CLINTON AVENUE CROSSING SOIL EXCAVATION (COMPLETED OCTOBER 2012)

OU-1 UNION BLVD OXYGEN INJECTION SYSTEM MODIFICATIONS (COMPLETED JULY 2015)

BRIGHTWATERS YARD PRE-IRM SOIL AND GROUNDWATER SAMPLING (COMPLETED SEPTEMBER 2009)

BAY SHORE WEST STORAGE LOT PARCEL

BAY SHORE WEST PARCEL

66 N. CLINTON AVENUE (FORMER KING BEAR/SUMMERS LUMBER PROPERTY) OXYGEN INJECTION SYSTEM INSTALLATION (COMPLETED JANUARY 2010, RELOCATED OCTOBER 2013)

9 N. CLINTON OXYGEN INJECTION LINE (COMPLETED FEBRUARY 2009) (SHUT DOWN AUGUST 13, 2021)

OU-3

BRIGHTWATERS YARD SITE

BRIGHTWATERS EAST PARCEL

60/66 N. CLINTON AVENUE (FORMER KING BEAR/SUMMERS LUMBER PROPERTY) INVESTIGATION (COMPLETED JUNE 2009)

MONTAUK HIGHWAY OXYGEN INJECTION LINE (COMPLETED Q4 2005)

2001 AND 2004 ISOTEC INJECTION AREA

60/66 NORTH CLINTON AVENUE OXYGEN INJECTION SYSTEM RELOCATION (COMPLETED OCTOBER 2013)

60/66 N. CLINTON AVENUE (FORMER KING BEAR/SUMMERS LUMBER PROPERTY) EXCAVATION (COMPLETED APRIL 2010)

34 N. CLINTON OXYGEN INJECTION LINE (COMPLETED JANUARY 2009)

OU-2

OU-3 COMMUNITY ROAD OXYGEN INJECTION SYSTEM INSTALLATION (COMPLETED APRIL 2010, RECONFIGURED MARCH 2012)

OU-2 29 COMMUNITY ROAD OXYGEN INJECTION LINE (COMPLETED - JUNE 2011, SHUT DOWN MARCH 26, 2015, ABANDONED JUNE 2019)

87 COMMUNITY ROAD OXYGEN INJECTION SYSTEM (COMPLETED SEPTEMBER 2013) ADDITIONAL OXYGEN INJECTION WELLS INSTALLED WITHIN LIRR (COMPLETED JULY 2015)

CLINTON AVENUE CROSSING INSTALLATION (COMPLETED SEPTEMBER 2009) AND THE INSTALLATION OF COOPER LANE OXYGEN INJECTION LINE (COMPLETED NOVEMBER 2009)

29 COMMUNITY ROAD PRE-DESIGN INVESTIGATION (COMPLETED JUNE 2010)

OU-2 OXYGEN INJECTION SYSTEM MODIFICATIONS (COMPLETED OCTOBER 2013)

MANATUCK LANE OXYGEN INJECTION LINE (COMPLETED Q4 2005, SHUT DOWN MAY 10, 2019)

SUPPLEMENTAL IRM EXCAVATION AREAS (COMPLETED 2004)

BRIGHTWATERS YARD OXYGEN INJECTION SYSTEM (INSTALLED 2004, ABANDONED JUNE 2009)

SUPPLEMENTAL ORC IRM (COMPLETED AUGUST 2013)

LAINER LANE ORC IRMS (COMPLETED MARCH 2013 & JANUARY 2015)

OU-3 STORM SEWER REHABILITATION CONFIRMATION SAMPLING (COMPLETED SEPTEMBER 2009)

PLUME TAIL HYDROLOGIC INVESTIGATION (COMPLETED SEPTEMBER 2009)

PLUME TAIL OXYGEN INJECTION SYSTEM INSTALLATION AND STARTUP (COMPLETED AUGUST 2009, SHUT DOWN MARCH 26, 2015, ABANDONED JUNE 2019)

BRIGHTWATERS YARD / NORTHERN SHEETING CELL ORC INJECTIONS (DECEMBER 2019)

OU-3 UNION BOULEVARD OXYGEN INJECTION SYSTEM (INSTALLED - 2000, ABANDONED - AUGUST 2010)

OU-3 OXYGEN INJECTION SYSTEM PRE-DESIGN AND PLUME INVESTIGATION (COMPLETED AUGUST 2009)

OU-3 POST LIRR EXCAVATION IRM GROUNDWATER EVALUATION (COMPLETED MARCH 2012)

OU-3 LIRR EXCAVATION IRM (PHASE 1 - COMPLETED FEBRUARY 2010) (PHASE 2 - COMPLETED JULY 2010) (PHASE 3 - COMPLETED SEPTEMBER 2010)

WATCHOGUE CREEK (TIDAL)

O-CO-NEE POND

UNNAMED POND (HEADWATERS OF O-CO-NEE POND)

LAWRENCE LAKE

LAWRENCE CREEK (TIDAL)

N. PARK AVE.

WEST DR.

CENTER AVENUE

FIFTH AVENUE

SMITH AVENUE

CLINTON AVENUE

CLINTON AVE. (C.R. 13A)

COMMUNITY ROAD

JOHNSON LANE

LANIER LANE

GARNER LANE

HEMLOCK LANE

OCEAN AVENUE

BAY AVENUE

SOUTH CLINTON AVENUE

MONTAUK HWY. (S.R. 27A)

MONTAUK HWY.

MECHANICSVILLE SERVICE RD.

GIBSON ST.

LINDEN PL.

MANATUCK LANE

COOPER LANE

UNION BOULEVARD

COMMUNITY ROAD

MONTAUK BRANCH

LONG ISLAND RAILROAD

OAK ST.

SOUTH ST.

MARC CT.

DEB CT.

EAST CT.

ACKERSON STREET

HIAWATHA DR.

ORINOCO DR.

SOURCES:

1. MAP TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP" DATED: SEPT. 2002 BY DVIRKA AND BARTILUCCI.
2. FIGURE 2, GROUNDWATER MONITORING WELL AND SURFACE WATER GAUGING STATION LOCATION MAP, BAY SHORE/BRIGHTWATERS FORMER MGP SITE, SCALE: 1"=200', DATED JANUARY 2004, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
3. DRAWING C-1, OFF-SITE SAMPLE LOCATION MAP, BAY SHORE/BRIGHTWATERS FINAL REMEDIAL INVESTIGATION, SCALE: 1"=200', DATED OCTOBER 15, 2003, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
4. PROPERTY BOUNDARY LOCATIONS WERE DETERMINED BY OTHERS USING AERIAL PHOTOGRAPHS AND TAX MAPS. PROPERTY BOUNDARIES ARE APPROXIMATE AND MONITORING WELLS LOCATED NEAR OR AT PROPERTY BOUNDARIES DEPICTED ON THE MAP ARE WITHIN THE ROAD RIGHT-OF-WAY.

0 200' 400'

SCALE: 1" = 200'

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

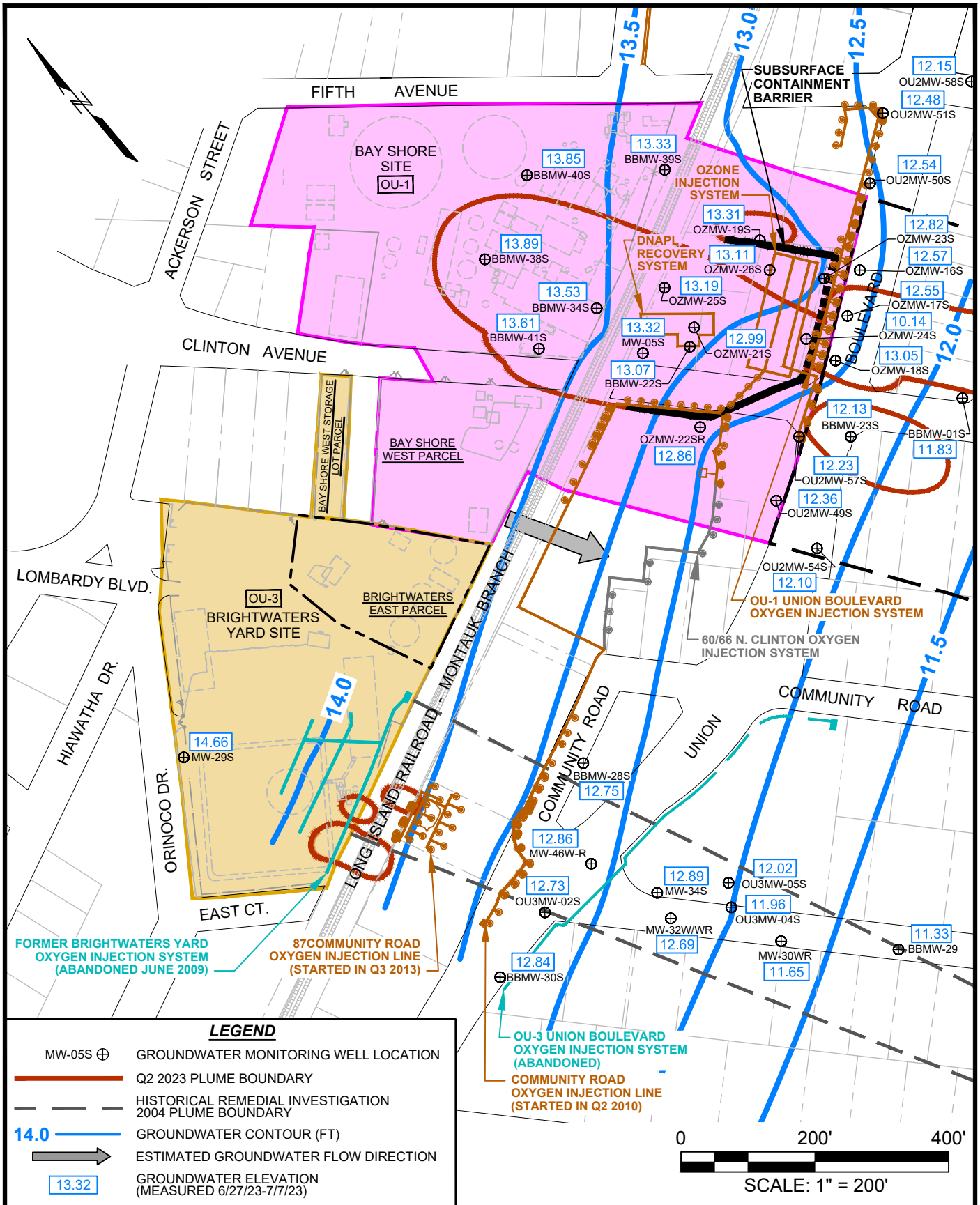
nationalgrid

GEI Consultants

HISTORICAL SITEWIDE PROGRESS MAP

Project 1905774 | November 2023 | Fig. 2

\\geiconsulta \\geiconsultants.com\data\Data_Storage\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2023\Q2\2_1905774_OMMQ223_PROG.dwg - 11/8/2023



Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

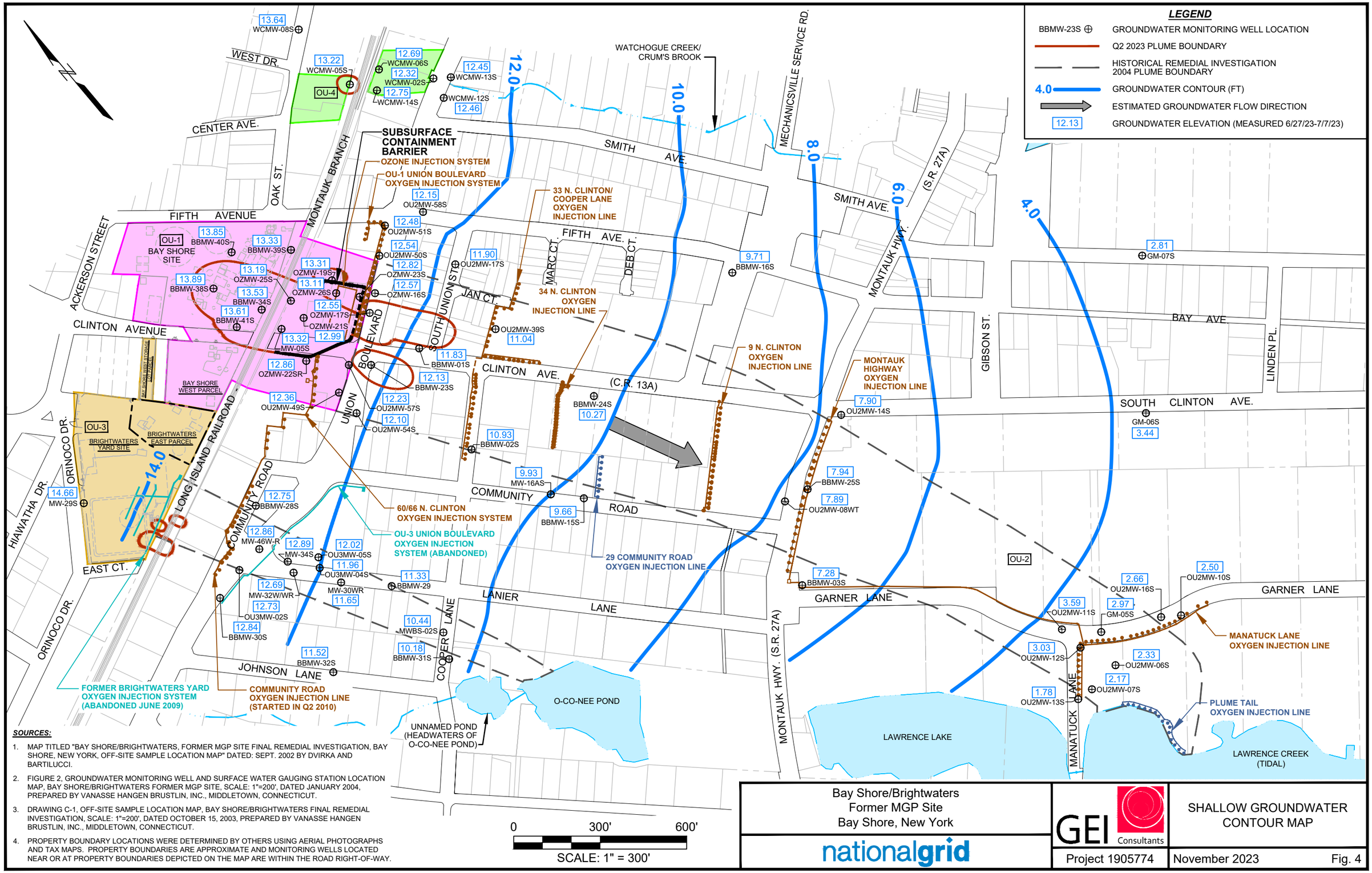
nationalgrid

GEI Consultants

ON-SITE
SHALLOW GROUNDWATER
CONTOUR MAP

Project 1905774 | November 2023 | Fig. 3

\\geiconsulta \\geiconsultants.com\data\Data_Storage\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2023\Q2\3_1905774_OMMQ223_OSGWC.dwg - 11/8/2023



SOURCES:

1. MAP TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP" DATED: SEPT. 2002 BY DVIRKA AND BARTILUCCI.
2. FIGURE 2, GROUNDWATER MONITORING WELL AND SURFACE WATER GAUGING STATION LOCATION MAP, BAY SHORE/BRIGHTWATERS FORMER MGP SITE, SCALE: 1"=200', DATED JANUARY 2004, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
3. DRAWING C-1, OFF-SITE SAMPLE LOCATION MAP, BAY SHORE/BRIGHTWATERS FINAL REMEDIAL INVESTIGATION, SCALE: 1"=200', DATED OCTOBER 15, 2003, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
4. PROPERTY BOUNDARY LOCATIONS WERE DETERMINED BY OTHERS USING AERIAL PHOTOGRAPHS AND TAX MAPS. PROPERTY BOUNDARIES ARE APPROXIMATE AND MONITORING WELLS LOCATED NEAR OR AT PROPERTY BOUNDARIES DEPICTED ON THE MAP ARE WITHIN THE ROAD RIGHT-OF-WAY.

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

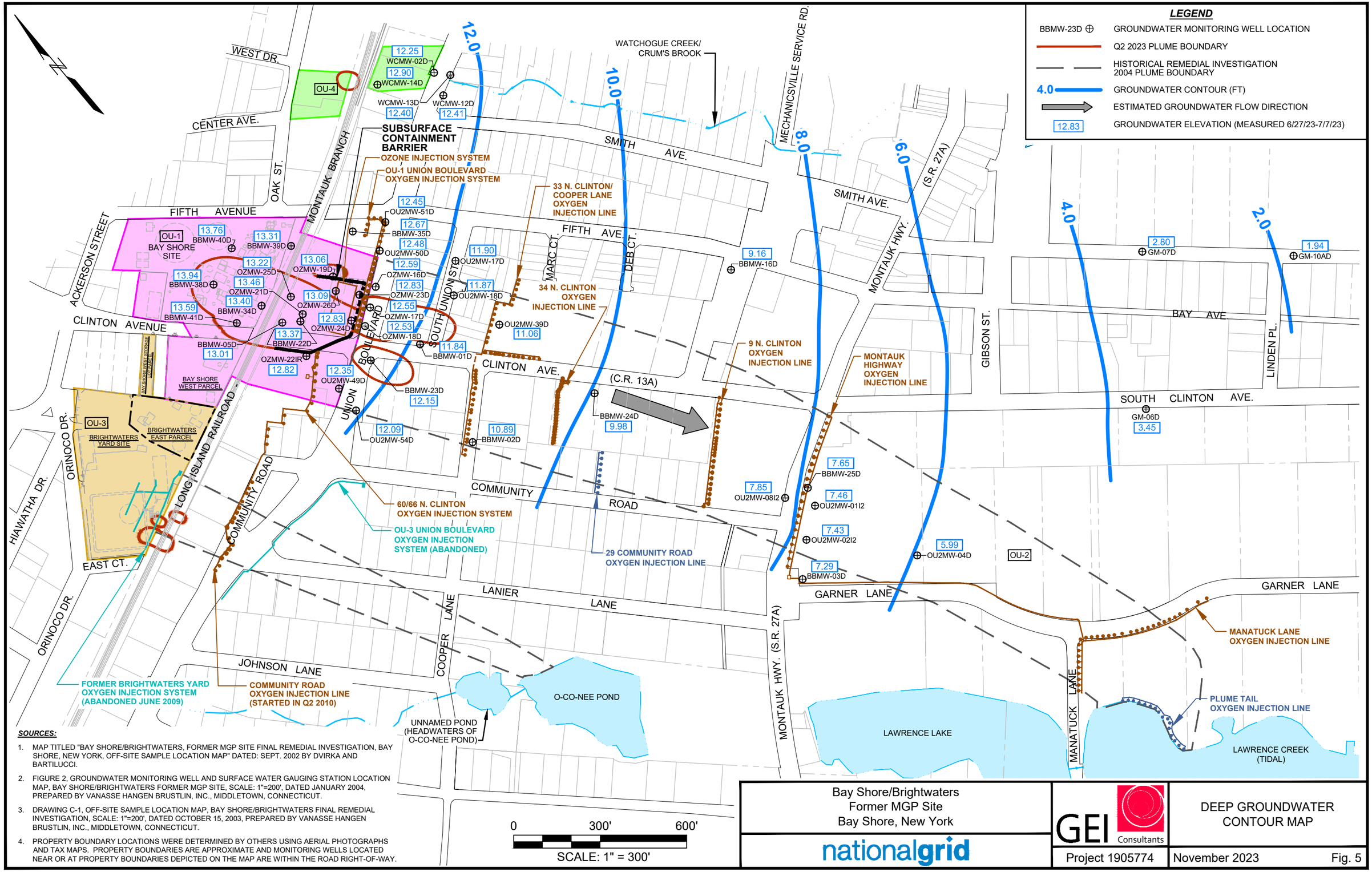
nationalgrid

GEI Consultants

SHALLOW GROUNDWATER CONTOUR MAP

Project 1905774 | November 2023 | Fig. 4

\\geiconsulta \\geiconsultants.com\data\Data_Storage\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2023\Q2\4-5_1905774_OMMQ223_SDGWC.dwg - 11/8/2023



SOURCES:

1. MAP TITLED "BAY SHORE/BRIGHTWATERS, FORMER MGP SITE FINAL REMEDIAL INVESTIGATION, BAY SHORE, NEW YORK, OFF-SITE SAMPLE LOCATION MAP" DATED: SEPT. 2002 BY DVIRKA AND BARTILUCCI.
2. FIGURE 2, GROUNDWATER MONITORING WELL AND SURFACE WATER GAUGING STATION LOCATION MAP, BAY SHORE/BRIGHTWATERS FORMER MGP SITE, SCALE: 1"=200', DATED JANUARY 2004, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
3. DRAWING C-1, OFF-SITE SAMPLE LOCATION MAP, BAY SHORE/BRIGHTWATERS FINAL REMEDIAL INVESTIGATION, SCALE: 1"=200', DATED OCTOBER 15, 2003, PREPARED BY VANASSE HANGEN BRUSTLIN, INC., MIDDLETOWN, CONNECTICUT.
4. PROPERTY BOUNDARY LOCATIONS WERE DETERMINED BY OTHERS USING AERIAL PHOTOGRAPHS AND TAX MAPS. PROPERTY BOUNDARIES ARE APPROXIMATE AND MONITORING WELLS LOCATED NEAR OR AT PROPERTY BOUNDARIES DEPICTED ON THE MAP ARE WITHIN THE ROAD RIGHT-OF-WAY.

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

DEEP GROUNDWATER CONTOUR MAP

Project 1905774 | November 2023 | Fig. 5

\\geiconsulta \\geiconsultants.com\data\Data_Storage\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2023\Q2\4-5_1905774_OMMQ223_SDGWC.dwg - 11/8/2023

Q1 2009

Q1 2009 Groundwater Monitoring Data			Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)	Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2			**OU-3**		
BBMW-01S	5-15	284	BBMW-09S	5-15	ND
BBMW-02S	5-15	ND	BBMW-28S	2-12	ND
BBMW-03S	3-13	ND	BBMW-29	2-9	ND
BBMW-07S	5-15	ND	BBMW-30S	2-10	ND
BBMW-15S	5-15	ND	BBMW-31S	2-10	2
BBMW-16S	5-15	ND	BBMW-32S	2-10	ND
BBMW-22S	5-10	10,730	BBMW-33	7-12	ND
BBMW-23S	5-15	11,860	BW-UST-10	4.65-9.95	ND
BBMW-24S	4-14	ND	BW-UST-11	4.4-9.4	ND
BBMW-25S	4-14	ND	BW-UST-28	5-10	ND
GM-05S	5.1-20.1	8	BW-UST-29	5-10	ND
MW-03S	3-13	34	IO-10	6-16	ND
MW-05S	4-14	9,600	MW-02SR	2-12	812
OU2IW-01	3-8	ND	MW-03	4.94-14.94	6
OU2MW-01WT	3-8	ND	MW-04	5.1-15.1	ND
OU2MW-04WT	3-8	ND	MW-09S	4-14	ND
OU2MW-06S	3-8	ND	MW-11W	2-10	ND
OU2MW-07S	3-8	ND	MW-12W	2-12	2
OU2MW-08WT	3-8	ND	MW-16SR	2-12	3,275
OU2MW-10S	3-7	ND	MW-29S	2-10	ND
OU2MW-11S	3-8	ND	MW-30WR	2-10	ND
OU2MW-12S	3-7	ND	MW-32WR	2-9	232
OU2MW-13S	3-8	ND	MW-34S	2-10	3,636
OU2MW-14S	3-8	ND	MW-45W	2-10	4,210
OU2MW-15S	3-8	ND	MW-46WR	2-10	525
OU2MW-16S	3-8	ND	MW-66S	1.5-11.5	ND
OU2MW-17S	5-10	ND	MW-70/70S	2-12	1,124
OU2MW-20S	4-9	ND	MW-73	2-12	7,100
OU2MW-21S	5-15	870	MW-75	2-12	569
OU2MW-22S	5-15	2	MW-76	2-12	ND
OU2MW-23S	5-15	ND	MW-78	5-20	2,590
OU2MW-24S	5-15	23	MW-79	5-20	10,100
OU2MW-25S	5-15	ND	MW-80	5-20	55,200
OU2MW-26S	6-11	ND	MW-81	5-20	257
OU2MW-28S	5-15	ND	MW-82	5-20	6,151
OU2MW-30S	5-15	3	MW-83	5-20	ND
OU2MW-32S	5-15	ND	MW-BS-02S	5-15	98
OU2MW-33S	5-15	ND	PDMW-01	5-20	ND
OU2MW-34S	5-15	ND	PDMW-02	5-20	59,210
OU2MW-35S	5-15	9	PDMW-03	5-15	14,511
OU2MW-36S	5-15	ND	SV-02	2-12	26
OU2MW-37S	5-15	ND	SV-03	2-12	29
OU2MW-38S	5-15	23	**OU-4**		
OU2MW-39S	5-15	ND	WCMW-01S	2-12	3
OU2MW-40S	5-15	ND	WCMW-02S	3-13	ND
OU2MW-41S	5-15	8	WCMW-03S	4.93-9.83	33
OU2MW-45S	5-15	60	WCMW-04S	1.6-11.6	21
OU2MW-46S	5-15	422	WCMW-05S	1.4-11.4	ND
OU2MW-47S	5-15	146	WCMW-06S	2-12	ND
OZMW-16S	5-15	ND	WCMW-09S	5-15	ND
OZMW-17S	5-15	141	WCMW-12S	3-13	ND
OZMW-18S	5-15	244	WCMW-13S	3-13	ND
OZMW-22S	5-15	11,947	WCMW-14S	2-12	ND
			WCMW-16S	2-12	ND

Q2 2023

Q2 2023 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (feet bgs)	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-03S	3-13	ND
BBMW-22S	5-10	1,370
BBMW-23S	5-15	857
BBMW-34S	5-15	7.7
BBMW-37S	5-10	1.8
BBMW-38S	5-15	68
BBMW-39S	5-15	58
BBMW-40S	5-15	16
BBMW-41S	6-16	5,711
BBMW-42S	5-10	1.6
MW-05S	4-14	517
OU1PZ-101	4-14	848
OU1PZ-102	4-14	55
OU1PZ-103	4-14	130
OU1PZ-104	4-14	0.95
OU1PZ-105	4-14	13.3
OU2MW-01WT	3-8	ND
OU2MW-08WT	3-8	ND
OU2MW-12S	3-7	ND
OU2MW-13S	3-8	ND
OU2MW-27S	5-15	ND
OU2MW-28S	5-15	ND
OU2MW-30S	5-15	ND
OU2MW-39S	5-15	ND
OU2MW-40S	5-15	ND
OU2MW-41S	5-15	ND
OU2MW-47S	5-15	ND
OU2MW-50S	5-15	0.32
OZMW-16S	5-15	ND
OZMW-17S	5-15	ND
OZMW-18S	5-15	ND
OZMW-19S	5-15	185
OZMW-23S	5-15	ND
OZMW-24S	5-15	ND
OZMW-25S	5-15	192
OU-3		
MW-83	5-20	2.85
OU3MW-07S	3-13	ND
OU3MW-08S	2-12	2030
OU3MW-16S	2-12	10.2
OU3MW-19S	2-12	ND
OU3MW-20S	2-12	ND

LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- µg/L — MICROGRAMS PER LITER
- BTEX — BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- BTEX ≧100 µg/L
- BTEX ≧1,000 µg/L
- BTEX ≧5,000 µg/L
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)

NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

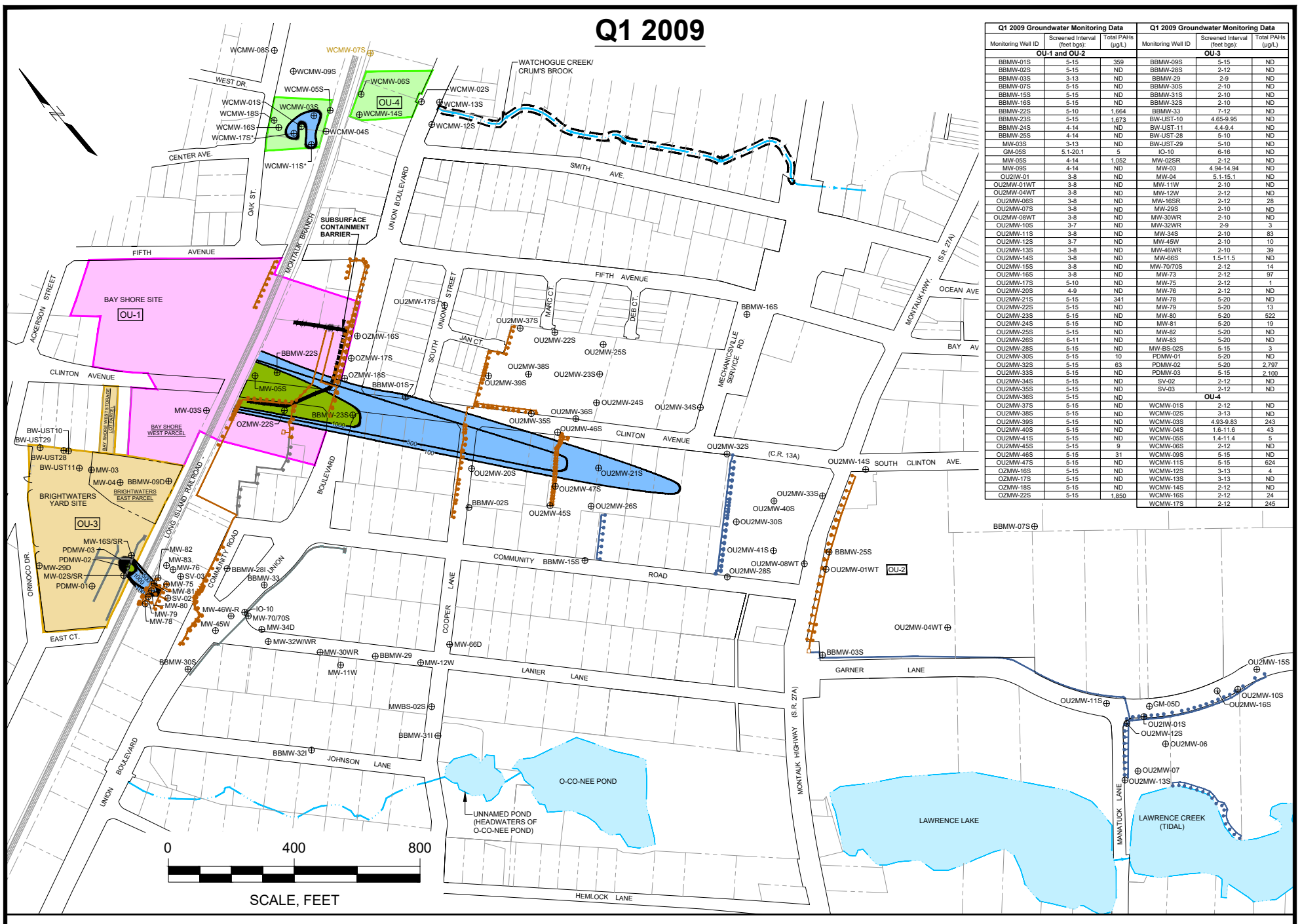
WATER TABLE GROUNDWATER
TOTAL BTEX
ISO-CONCENTRATION MAPS
(0-10 FEET BGS)

Project 1905774 | November 2023 | Fig. 6

\\geiconsulta \\geiconsultants.com\data\Data_Storage\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2023\Q2\6-11_1905774_OMMQ223_ISOC.dwg - 11/8/2023

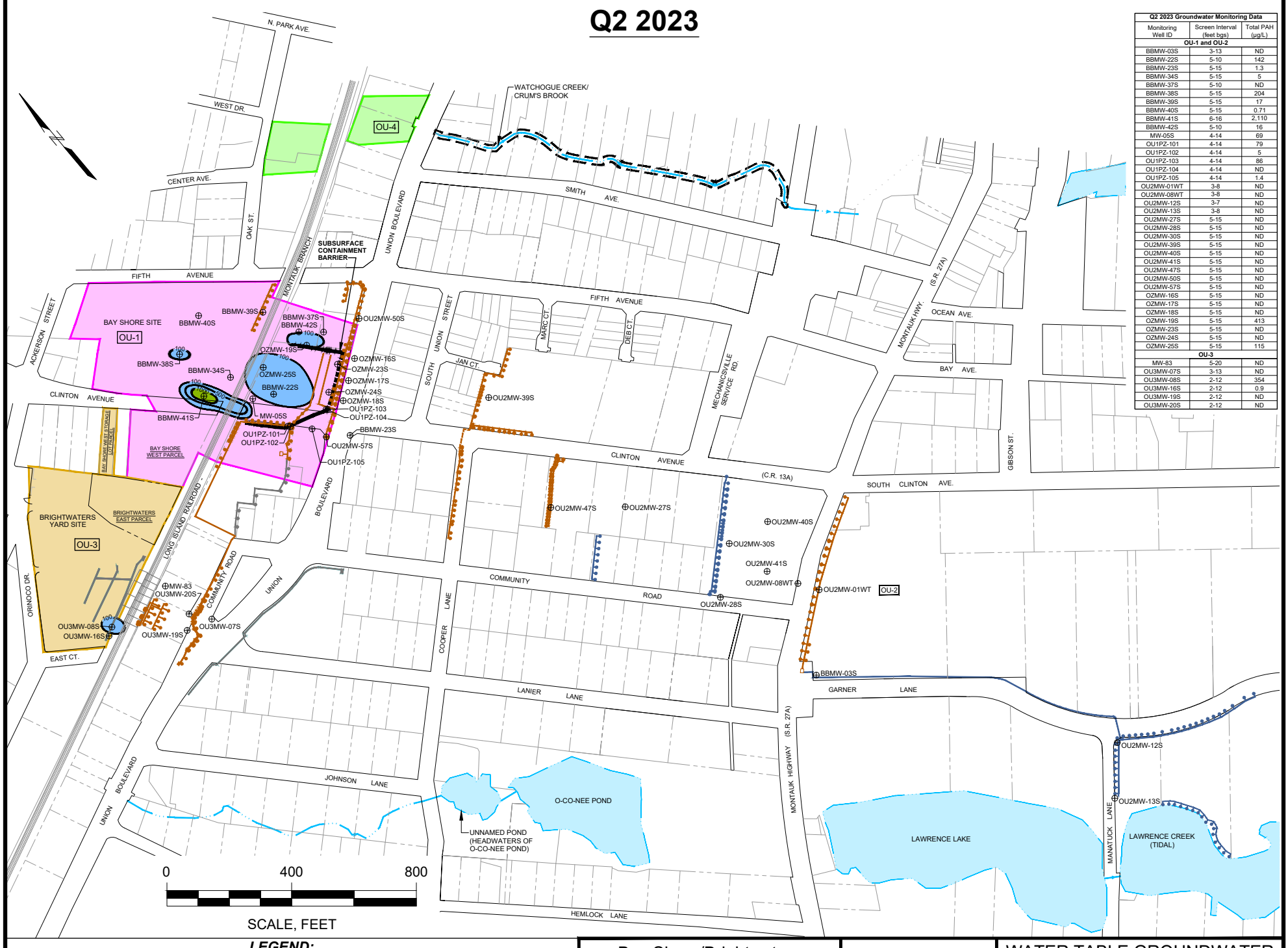
Q1 2009

Q1 2009 Groundwater Monitoring Data			Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)	Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2			**OU-3**		
BBMW-01S	5-15	359	BBMW-09S	5-15	ND
BBMW-02S	5-15	ND	BBMW-28S	2-12	ND
BBMW-03S	3-13	ND	BBMW-29	2-9	ND
BBMW-07S	5-15	ND	BBMW-30S	2-10	ND
BBMW-15S	5-15	ND	BBMW-31S	2-10	ND
BBMW-16S	5-15	ND	BBMW-32S	2-10	ND
BBMW-22S	5-10	1,664	BBMW-33	7-12	ND
BBMW-23S	5-15	1,673	BW-UST-10	4.65-9.95	ND
BBMW-24S	4-14	ND	BW-UST-11	4.4-9.4	ND
BBMW-25S	4-14	ND	BW-UST-28	5-10	ND
MW-03S	3-13	ND	BW-UST-29	5-10	ND
GM-05S	5.1-20.1	5	IO-10	6-16	ND
MW-05S	4-14	1,052	MW-02SR	2-12	ND
MW-09S	4-14	ND	MW-03	4.94-14.94	ND
OU2IW-01	3-8	ND	MW-04	5.1-15.1	ND
OU2MW-01WT	3-8	ND	MW-11W	2-10	ND
OU2MW-04WT	3-8	ND	MW-12W	2-12	ND
OU2MW-06S	3-8	ND	MW-16SR	2-12	28
OU2MW-07S	3-8	ND	MW-29S	2-10	ND
OU2MW-08WT	3-8	ND	MW-30WR	2-10	ND
OU2MW-10S	3-7	ND	MW-32WR	2-9	3
OU2MW-11S	3-8	ND	MW-34S	2-10	83
OU2MW-12S	3-7	ND	MW-45W	2-10	10
OU2MW-13S	3-8	ND	MW-46WR	2-10	39
OU2MW-14S	3-8	ND	MW-66S	1.5-11.5	ND
OU2MW-15S	3-8	ND	MW-70/70S	2-12	14
OU2MW-16S	3-8	ND	MW-73	2-12	97
OU2MW-17S	5-10	ND	MW-75	2-12	1
OU2MW-20S	4-9	ND	MW-76	2-12	ND
OU2MW-21S	5-15	341	MW-78	5-20	ND
OU2MW-22S	5-15	ND	MW-79	5-20	13
OU2MW-23S	5-15	ND	MW-80	5-20	522
OU2MW-24S	5-15	ND	MW-81	5-20	19
OU2MW-25S	5-15	ND	MW-82	5-20	ND
OU2MW-26S	6-11	ND	MW-83	5-20	ND
OU2MW-28S	5-15	ND	MW-BS-02S	5-15	3
OU2MW-30S	5-15	10	PDMW-01	5-20	ND
OU2MW-32S	5-15	63	PDMW-02	5-20	2,797
OU2MW-33S	5-15	ND	PDMW-03	5-15	2,100
OU2MW-34S	5-15	ND	SV-02	2-12	ND
OU2MW-35S	5-15	ND	SV-03	2-12	ND
OU2MW-36S	5-15	ND	**OU-4**		
OU2MW-37S	5-15	ND	WCMW-01S	2-12	ND
OU2MW-38S	5-15	ND	WCMW-02S	3-13	ND
OU2MW-39S	5-15	ND	WCMW-03S	4.93-9.83	243
OU2MW-40S	5-15	ND	WCMW-04S	1.6-11.6	43
OU2MW-41S	5-15	ND	WCMW-05S	1.4-11.4	5
OU2MW-45S	5-15	9	WCMW-06S	2-12	ND
OU2MW-46S	5-15	31	WCMW-09S	5-15	ND
OU2MW-47S	5-15	ND	WCMW-11S	5-15	624
OZMW-16S	5-15	ND	WCMW-12S	3-13	4
OZMW-17S	5-15	ND	WCMW-13S	3-13	ND
OZMW-18S	5-15	ND	WCMW-14S	2-12	ND
OZMW-22S	5-15	1,850	WCMW-16S	2-12	24
			WCMW-17S	2-12	245



Q2 2023

Q2 2023 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (feet bgs)	Total PAH (µg/L)
OU-1 and OU-2		
BBMW-03S	3-13	ND
BBMW-22S	5-10	142
BBMW-23S	5-15	1.3
BBMW-34S	5-15	5
BBMW-37S	5-10	ND
BBMW-38S	5-15	204
BBMW-39S	5-15	17
BBMW-40S	5-15	0.71
BBMW-41S	6-16	2,110
BBMW-42S	5-10	16
MW-05S	4-14	69
OU1PZ-101	4-14	79
OU1PZ-102	4-14	5
OU1PZ-103	4-14	86
OU1PZ-104	4-14	ND
OU1PZ-105	4-14	1.4
OU2MW-01WT	3-8	ND
OU2MW-08WT	3-8	ND
OU2MW-12S	3-7	ND
OU2MW-13S	3-8	ND
OU2MW-27S	5-15	ND
OU2MW-28S	5-15	ND
OU2MW-30S	5-15	ND
OU2MW-39S	5-15	ND
OU2MW-40S	5-15	ND
OU2MW-41S	5-15	ND
OU2MW-47S	5-15	ND
OU2MW-50S	5-15	ND
OU2MW-57S	5-15	ND
OZMW-16S	5-15	ND
OZMW-17S	5-15	ND
OZMW-18S	5-15	ND
OZMW-19S	5-15	413
OZMW-23S	5-15	ND
OZMW-24S	5-15	ND
OZMW-25S	5-15	115
OU-3		
MW-83	5-20	ND
OU3MW-07S	3-13	ND
OU3MW-08S	2-12	354
OU3MW-16S	2-12	0.9
OU3MW-19S	2-12	ND
OU3MW-20S	2-12	ND



LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- µg/L — MICROGRAMS PER LITER
- PAH — POLYCYCLIC AROMATIC HYDROCARBONS
- TOTAL PAH ≧100 µg/L
- TOTAL PAH ≧1,000 µg/L
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)

NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

WATER TABLE GROUNDWATER
TOTAL PAH
ISO-CONCENTRATION MAPS
(0-10 FEET BGS)

Project 1905774 | November 2023 | Fig. 7

\\geiconsulta \\geiconsultants.com\data\Data_Storage\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2023\Q2\6-11_1905774_OMMQ223_ISOC.dwg - 11/8/2023

Q1 2009

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-01I	32-42	47
BBMW-02I	30-40	ND
BBMW-03I	30-40	ND
BBMW-07I	30-40	ND
BBMW-15I	23-28	146
BBMW-15I2	35-45	ND
BBMW-16I	35-45	ND
BBMW-20I	35-45	8
BBMW-22I	30-40	43
BBMW-23I	33-43	ND
BBMW-24I	32-42	10
BBMW-25I	25-35	469
GM-05I	35.05-48.05	ND
GMP-01	25-30	762
GMP-02	28-23	ND
GMP-04	15.5-20.5	ND
MW-03D	35-45	ND
MW-05D	35.5-45.5	26
MW-09I	30-40	ND
OU2MW-01I	35-40	2
OU2MW-01S	20-25	69
OU2MW-02I	35-40	370
OU2MW-02S	20-25	5
OU2MW-03I	35-40	366
OU2MW-03S	20-25	30
OU2MW-04I	35-40	97
OU2MW-04S	20-25	841
OU2MW-05	25-35	466
OU2MW-06	15-25	ND
OU2MW-07	15-25	ND
OU2MW-08I	35-40	46
OU2MW-08S	20-25	1,078
OU2MW-09	20-30	ND
OU2MW-10D	35-40	78
OU2MW-10I	20-25	76
OU2MW-11D	40-45	8
OU2MW-11I	20-25	170
OU2MW-11I2	30-35	98

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
OU2MW-12D	40-45	ND
OU2MW-12I	20-25	107
OU2MW-12I2	30-35	53
OU2MW-13D	35-40	34
OU2MW-13I	20-25	13
OU2MW-14I	20-25	ND
OU2MW-14I2	45-50	ND
OU2MW-15D	40-45	ND
OU2MW-15I	20-25	ND
OU2MW-15I2	30-35	ND
OU2MW-16D	35-40	ND
OU2MW-16I	15-20	ND
OU2MW-16I2	25-30	ND
OU2MW-17I	13-23	80
OU2MW-17I2	35-40	ND
OU2MW-18I	13-23	28,040
OU2MW-18I2	35-45	ND
OU2MW-19I	13-23	82
OU2MW-19I2	35-45	103
OU2MW-20I	13-23	819
OU2MW-20I2	35-45	ND
OU2MW-21I	13-23	4,930
OU2MW-21I2	35-45	479
OU2MW-22I	25-30	125
OU2MW-22I2	46-51	ND
OU2MW-23I	25-30	157
OU2MW-23I2	45-50	ND
OU2MW-24I	25-30	2,153
OU2MW-24I2	45-50	ND
OU2MW-25I	25-30	276
OU2MW-25I2	45-50	ND
OU2MW-26I	13-23	287
OU2MW-26I2	35-45	1,559
OU2MW-28I	28-33	93
OU2MW-28I2	40-45	1
OU2MW-29D	45-50	359
OU2MW-29I	18-23	1,122
OU2MW-29I2	30-35	87
OU2MW-29D	45-50	359
OU2MW-30I	25-30	208
OU2MW-30I2	30-35	43
OU2MW-30I3	45-50	254
OU2MW-31I	18-23	779
OU2MW-31I2	30-35	1
OU2MW-32D	40-45	25
OU2MW-32I	20-25	3,698
OU2MW-32I2	30-35	71
OU2MW-33I	20-25	3,159
OU2MW-33I2	30-35	77
OU2MW-34I	25-30	2,348
OU2MW-34I2	45-50	ND
OU2MW-35I	25-30	9
OU2MW-35I2	45-50	ND
OU2MW-36I	25-30	55
OU2MW-36I2	45-50	ND
OU2MW-37I	25-30	373
OU2MW-37I2	45-50	ND
OU2MW-38I	25-30	122

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
OU2MW-38I2	46-51	ND
OU2MW-39I	25-30	ND
OU2MW-39I2	45-50	ND
OU2MW-40I	18-23	270
OU2MW-41I	18-23	1,433
OU2MW-45I	20-25	10
OU2MW-45I2	40-45	ND
OU2MW-46I	20-25	1,991
OU2MW-46I2	40-45	375
OU2MW-47I	20-25	2,714
OU2MW-47I2	40-45	159
OZMW-16I	20-30	441
OZMW-16I2	35-40	12
OZMW-17I	20-30	74
OZMW-17I2	35-45	ND
OZMW-18I	20-30	178
OZMW-18I2	35-45	129
OZMW-22I	20-30	607
OZMW-22I2	35-45	2
OU-3		
BBMW-09I	20-30	ND
BBMW-28I	10-20	ND
BBMW-30D	30-35	ND
BBMW-30I	14-19	ND
BBMW-31D	30-35	3
BBMW-31I	14-19	3
BBMW-32D	30-35	ND
BBMW-32I	14-19	ND
MW-02IR	22.5-23.5	ND
MW-16I	14-19	ND
MW-26D	14-19	ND
MW-29D	14-19	ND
MW-34D	27.5-28.5	ND
MW-64	19-24	ND
MW-65	11-16	ND
MW-66D	24-29	ND
MW-BS-02D	24.5-25.5	ND
MW-BS-02I	14.5-15.5	ND
OU-4		
WCMW-01I	35-45	ND
WCMW-02I	34.5 - 44.5	ND
WCMW-03I	19.4 - 24.4	ND
WCMW-03I2	28.55 - 33.55	ND
WCMW-04I	19.4-24.4	ND
WCMW-04I2	29.85 - 34.85	ND
WCMW-05I	19.61 - 24.61	ND
WCMW-05I2	29.46 - 34.46	ND
WCMW-06I	19.55 - 24.55	ND
WCMW-06I2	29.83 - 34.83	ND
WCMW-10S	15-20	ND
WCMW-10D	40-50	ND
WCMW-12I	25-30	ND
WCMW-13I	25-30	ND
WCMW-14I	20-25	ND
WCMW-14I2	30-35	ND
WCMW-16I	20-25	ND
WCMW-16I2	30-35	ND

Q2 2023

Q2 2023 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (feet bgs)	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-03I	30-40	ND
BBMW-20I	35-45	ND
BBMW-22I	30-40	421.3
BBMW-34I	25-30	360
BBMW-34I2*	40-45	34
BBMW-38I*	25-30	4
BBMW-38I2*	40-45	3
BBMW-41I	25-30	ND
MW-05D	35.5-45.5	25
OU2MW-01S	20-25	ND
OU2MW-01I	35-40	ND
OU2MW-02S	20-25	0.64
OU2MW-02I	35-40	ND
OU2MW-04S	20-25	ND
OU2MW-04I	35-40	ND
OU2MW-08S	20-25	ND
OU2MW-08I	35-40	ND
OU2MW-09I	20-30	ND
OU2MW-12I	20-25	ND
OU2MW-12I2	30-35	ND
OU2MW-12D	40-45	ND
OU2MW-19I	13-23	ND
OU2MW-19I2	35-45	ND
OU2MW-27I	25-30	ND
OU2MW-27I2	45-50	ND
OU2MW-28I	28-33	ND
OU2MW-28I2	40-45	ND
OU2MW-30I	25-30	ND
OU2MW-30I2	30-35	ND
OU2MW-30I3	45-50	ND
OU2MW-31I	18-23	ND
OU2MW-31I2	30-35	ND
OU2MW-32I	25-30	ND
OU2MW-39I	45-50	ND
OU2MW-40I	18-23	ND
OU2MW-41I	18-23	ND
OU2MW-47I	20-25	ND
OU2MW-47I2	40-45	ND
OU2MW-50I	25-30	ND
OU2MW-50I2	45-50	ND

Q2 2023 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (feet bgs)	Total BTEX (µg/L)
OU-1 and OU-2		
OU2MW-57I	20-30	ND
OU2MW-57I2	35-45	ND
OZMW-16I	20-30	ND
OZMW-16I2	35-45	1.7
OZMW-17I	20-30	ND
OZMW-17I2	35-45	ND
OZMW-18I	20-30	ND
OZMW-18I2	35-45	44
OZMW-19I	20-30	112
OZMW-19I2	35-45	269
OZMW-21I*	20-30	350
OZMW-21I2	35-45	46
OZMW-23I	20-30	ND
OZMW-23I2	35-45	ND
OZMW-24I	20-30	83
OZMW-24I2	35-45	97
OZMW-25I	20-30	412
OZMW-25I2	35-45	ND
OZMW-26I2	35-45	ND
OU-3		
IP-16A	14-15	ND
IP-20A	14-15	ND
IP-20B	24 -25	758.2
MW-64	19-24	39.45
MW-65	11-16	ND
OU3MW-07I	15-20	ND
OU3MW-07I2	20-25	ND
OU3MW-07I3	25-30	ND
OU3MW-07I4	35-40	ND
OU3MW-09I	25-30	436.4
OU3MW-10I	25-30	15.2
OU3MW-19I	20-25	ND
OU3MW-19I2	30-35	ND
OU3MW-20I	20-25	ND
OU3MW-20I2	30-35	ND
OU3MW-24I2/IP-19B	25-30	0.58
OU-4		
WCMW-05I	19.61-24.61	ND
WCMW-05I2	29.46-34.46	ND
WCMW-30I	20-25	ND

NOTE:

* INDICATES WELL NOT SAMPLED IN Q2 2023 DUE TO MEASURABLE LEVELS OF DNAPL. THE AVERAGE CONCENTRATIONS FROM THE FOUR MOST RECENT SAMPLING EVENTS WERE USED TO GENERATE CONTOURS.

LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- ⊕BBMW-38I — WELL NOT SAMPLED IN Q2 2023 DUE TO MEASURABLE LEVELS OF DNAPL
- µg/L — MICROGRAMS PER LITER
- BTEX — BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- BTEX ≧100 µg/L
- BTEX ≧1,000 µg/L
- BTEX ≧5,000 µg/L
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)

NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

INTERMEDIATE GROUNDWATER
TOTAL BTEX
ISO-CONCENTRATION MAPS
(10-50 FEET BGS)

Project 1905774 | November 2023 | Fig. 8

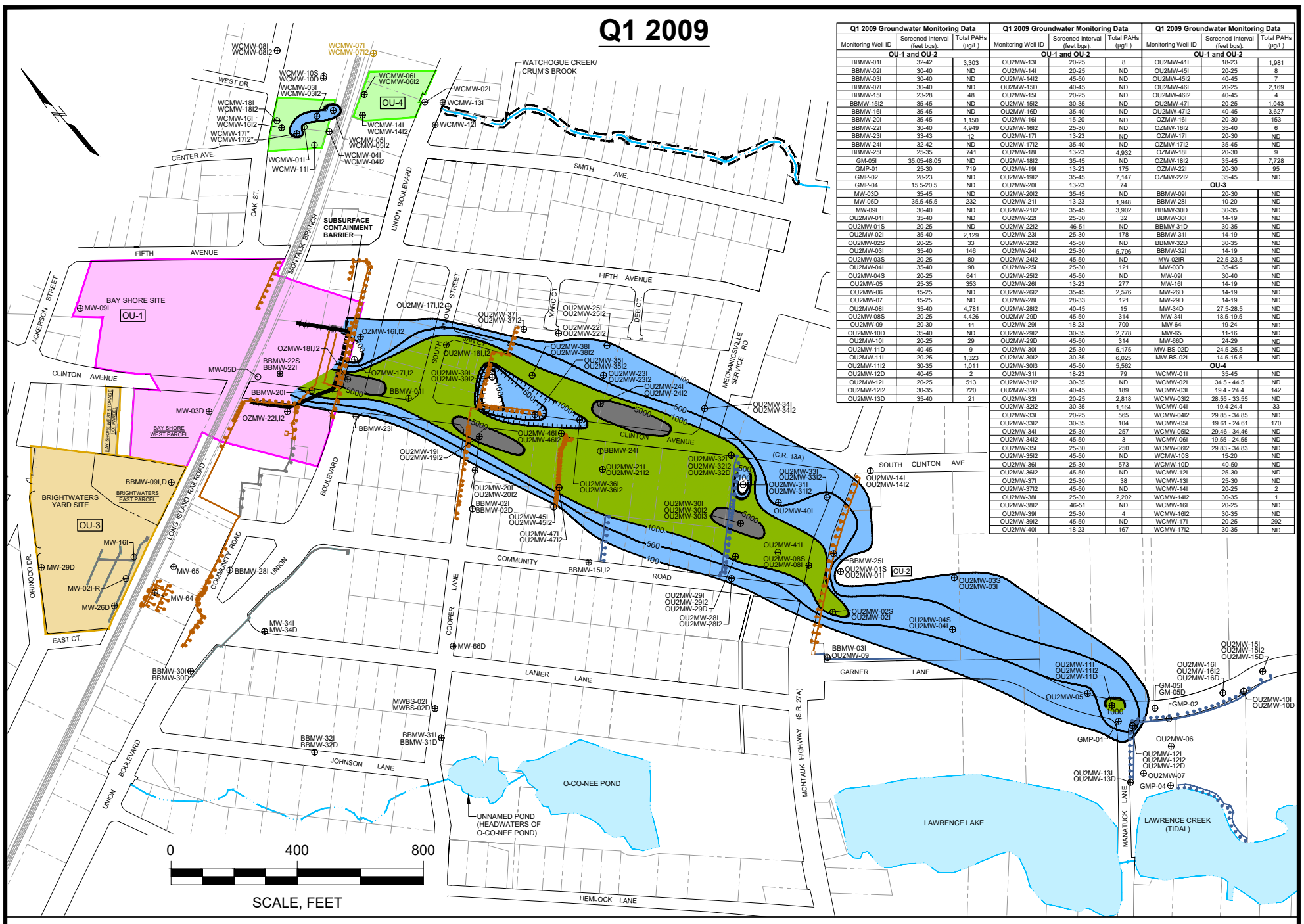
\\geiconsulta \\geiconsultants.com\data\Data_Storage\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2023\Q2\6-11_1905774_OMMQ223_ISOC.dwg - 11/8/2023

Q1 2009

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
BBMW-01I	32-42	3,303
BBMW-02I	30-40	ND
BBMW-03I	30-40	ND
BBMW-07I	30-40	ND
BBMW-15I	23-28	48
BBMW-15I2	35-45	ND
BBMW-16I	35-45	ND
BBMW-20I	35-45	1,150
BBMW-22I	30-40	4,949
BBMW-23I	33-43	12
BBMW-24I	32-42	ND
BBMW-25I	25-35	741
GM-05I	35.05-48.05	ND
GMP-01	25-30	719
GMP-02	28-23	ND
GMP-04	15.5-20.5	ND
MW-03D	35-45	ND
MW-05D	35.5-45.5	232
MW-09I	30-40	ND
OU2MW-01I	35-40	ND
OU2MW-01S	20-25	ND
OU2MW-02I	35-40	2,129
OU2MW-02S	20-25	33
OU2MW-03I	35-40	146
OU2MW-03S	20-25	80
OU2MW-04I	35-40	98
OU2MW-04S	20-25	641
OU2MW-05	25-35	353
OU2MW-06	15-25	ND
OU2MW-07	15-25	ND
OU2MW-08I	35-40	4,781
OU2MW-08S	20-25	4,426
OU2MW-09	20-30	11
OU2MW-10D	35-40	ND
OU2MW-10I	20-25	29
OU2MW-11D	40-45	9
OU2MW-11I	20-25	1,323
OU2MW-11I2	30-35	1,011
OU2MW-12D	40-45	2
OU2MW-12I	20-25	513
OU2MW-12I2	30-35	720
OU2MW-13D	35-40	21

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
OU2MW-13I	20-25	8
OU2MW-14I	20-25	ND
OU2MW-14I2	45-50	ND
OU2MW-15D	40-45	ND
OU2MW-15I	20-25	ND
OU2MW-15I2	30-35	ND
OU2MW-16D	35-40	ND
OU2MW-16I	15-20	ND
OU2MW-16I2	25-30	ND
OU2MW-17I	13-23	ND
OU2MW-17I2	35-40	ND
OU2MW-18I	13-23	4,932
OU2MW-18I2	35-45	ND
OU2MW-19I	13-23	175
OU2MW-19I2	35-45	7,147
OU2MW-20I	13-23	74
OU2MW-20I2	35-45	ND
OU2MW-21I	13-23	1,948
OU2MW-21I2	35-45	3,902
OU2MW-22I	25-30	32
OU2MW-22I2	46-51	ND
OU2MW-23I	25-30	178
OU2MW-23I2	45-50	ND
OU2MW-24I	25-30	5,796
OU2MW-24I2	45-50	ND
OU2MW-25I	25-30	121
OU2MW-25I2	45-50	ND
OU2MW-26I	13-23	277
OU2MW-26I2	35-45	2,576
OU2MW-28I	28-33	121
OU2MW-28I2	40-45	15
OU2MW-29D	45-50	314
OU2MW-29I	18-23	700
OU2MW-29I2	30-35	2,778
OU2MW-29D	45-50	314
OU2MW-30I	25-30	5,175
OU2MW-30I2	30-35	6,025
OU2MW-30I3	45-50	5,562
OU2MW-31I	18-23	79
OU2MW-31I2	30-35	ND
OU2MW-32D	40-45	189
OU2MW-32I	20-25	2,818
OU2MW-32I2	30-35	1,164
OU2MW-33I	20-25	565
OU2MW-33I2	30-35	104
OU2MW-34I	25-30	257
OU2MW-34I2	45-50	3
OU2MW-35I	25-30	250
OU2MW-35I2	45-50	ND
OU2MW-36I	25-30	573
OU2MW-36I2	45-50	ND
OU2MW-37I	25-30	38
OU2MW-37I2	45-50	ND
OU2MW-38I	25-30	2,202
OU2MW-38I2	46-51	ND
OU2MW-39I	25-30	4
OU2MW-39I2	45-50	ND
OU2MW-40I	18-23	167

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
OU2MW-41I	18-23	1,981
OU2MW-45I	20-25	8
OU2MW-45I2	40-45	7
OU2MW-46I	20-25	2,169
OU2MW-46I2	40-45	4
OU2MW-47I	20-25	1,043
OU2MW-47I2	40-45	3,627
OZMW-16I	20-30	153
OZMW-16I2	35-40	6
OZMW-17I	20-30	ND
OZMW-17I2	35-45	ND
OZMW-18I	20-30	9
OZMW-18I2	35-45	7,728
OZMW-22I	20-30	95
OZMW-22I2	35-45	ND
OU-3		
BBMW-09I	20-30	ND
BBMW-28I	10-20	ND
BBMW-30D	30-35	ND
BBMW-30I	14-19	ND
BBMW-31D	30-35	ND
BBMW-31I	14-19	ND
BBMW-32D	30-35	ND
BBMW-32I	14-19	ND
MW-02IR	22.5-23.5	ND
MW-03D	35-45	ND
MW-09I	30-40	ND
MW-16I	14-19	ND
MW-26D	14-19	ND
MW-29D	14-19	ND
MW-34D	27.5-28.5	ND
MW-34I	18.5-19.5	ND
MW-64	19-24	ND
MW-65	11-16	ND
MW-66D	24-29	ND
MW-BS-02D	24.5-25.5	ND
MW-BS-02I	14.5-15.5	ND
OU-4		
WCMW-01I	35-45	ND
WCMW-02I	34.5 - 44.5	ND
WCMW-03I	19.4 - 24.4	142
WCMW-03I2	28.55 - 33.55	ND
WCMW-04I	19.4-24.4	33
WCMW-04I2	29.85 - 34.85	ND
WCMW-05I	19.61 - 24.61	170
WCMW-05I2	29.46 - 34.46	ND
WCMW-06I	19.55 - 24.55	ND
WCMW-06I2	29.83 - 34.83	ND
WCMW-10S	15-20	ND
WCMW-10D	40-50	ND
WCMW-12I	25-30	ND
WCMW-13I	25-30	ND
WCMW-14I	20-25	2
WCMW-14I2	30-35	1
WCMW-16I	20-25	ND
WCMW-16I2	30-35	ND
WCMW-17I	20-25	292
WCMW-17I2	30-35	ND



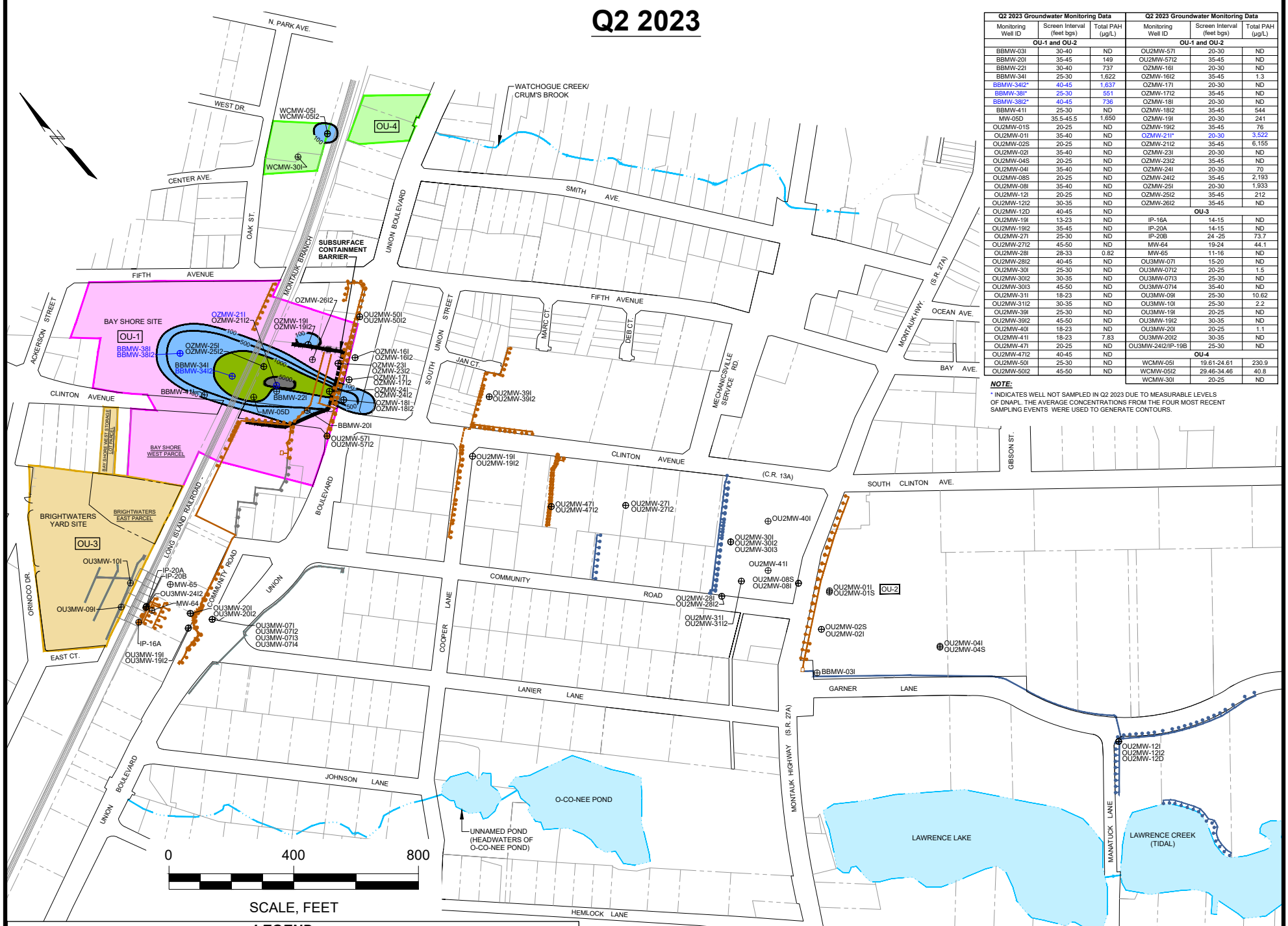
Q2 2023

Q2 2023 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (feet bgs)	Total PAH (µg/L)
OU-1 and OU-2		
BBMW-03I	30-40	ND
BBMW-20I	35-45	149
BBMW-22I	30-40	737
BBMW-34I	25-30	1,622
BBMW-34I2*	40-45	1,637
BBMW-38I*	25-30	551
BBMW-38I2*	40-45	736
BBMW-41I	25-30	ND
MW-05D	35.5-45.5	1,650
OU2MW-01S	20-25	ND
OU2MW-01I	35-40	ND
OU2MW-02S	20-25	ND
OU2MW-02I	35-40	ND
OU2MW-04S	20-25	ND
OU2MW-04I	35-40	ND
OU2MW-08S	20-25	ND
OU2MW-08I	35-40	ND
OU2MW-12I	20-25	ND
OU2MW-12I2	30-35	ND
OU2MW-12D	40-45	ND
OU2MW-19I	13-23	ND
OU2MW-19I2	35-45	ND
OU2MW-27I	25-30	ND
OU2MW-27I2	45-50	ND
OU2MW-28I	28-33	0.82
OU2MW-28I2	40-45	ND
OU2MW-30I	25-30	ND
OU2MW-30I2	30-35	ND
OU2MW-30I3	45-50	ND
OU2MW-31I	18-23	ND
OU2MW-31I2	30-35	ND
OU2MW-39I	25-30	ND
OU2MW-39I2	45-50	ND
OU2MW-40I	18-23	ND
OU2MW-41I	18-23	7.83
OU2MW-47I	20-25	ND
OU2MW-47I2	40-45	ND
OU2MW-50I	25-30	ND
OU2MW-50I2	45-50	ND

Q2 2023 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (feet bgs)	Total PAH (µg/L)
OU-1 and OU-2		
OU2MW-57I	20-30	ND
OU2MW-57I2	35-45	ND
OZMW-16I	20-30	ND
OZMW-16I2	35-45	1.3
OZMW-17I	20-30	ND
OZMW-17I2	35-45	ND
OZMW-18I	20-30	ND
OZMW-18I2	35-45	544
OZMW-19I	20-30	241
OZMW-19I2	35-45	76
OZMW-21I*	20-30	3,522
OZMW-21I2	35-45	6,155
OZMW-23I	20-30	ND
OZMW-23I2	35-45	ND
OZMW-24I	20-30	70
OZMW-24I2	35-45	2,193
OZMW-25I	20-30	1,933
OZMW-25I2	35-45	212
OZMW-26I2	35-45	ND
OU-3		
IP-16A	14-15	ND
IP-20A	14-15	ND
IP-20B	24 -25	73.7
MW-64	19-24	44.1
MW-65	11-16	ND
OU3MW-07I	15-20	ND
OU3MW-07I2	20-25	1.5
OU3MW-07I3	25-30	ND
OU3MW-07I4	35-40	ND
OU3MW-09I	25-30	10.62
OU3MW-10I	25-30	2.2
OU3MW-19I	20-25	ND
OU3MW-19I2	30-35	ND
OU3MW-20I	20-25	1.1
OU3MW-20I2	30-35	ND
OU3MW-24I2/IP-19B	25-30	ND
OU-4		
WCMW-05I	19.61-24.61	230.9
WCMW-05I2	29.46-34.46	40.8
WCMW-30I	20-25	ND

NOTE:

* INDICATES WELL NOT SAMPLED IN Q2 2023 DUE TO MEASURABLE LEVELS OF DNAPL. THE AVERAGE CONCENTRATIONS FROM THE FOUR MOST RECENT SAMPLING EVENTS WERE USED TO GENERATE CONTOURS.



LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- ⊕BBMW-38I — WELL NOT SAMPLED IN Q2 2023 DUE TO MEASURABLE LEVELS OF DNAPL
- µg/L — MICROGRAMS PER LITER
- PAH — POLYCYCLIC AROMATIC HYDROCARBONS
- TOTAL PAH ≧100 µg/L
- TOTAL PAH ≧1,000 µg/L
- TOTAL PAH ≧5,000 µg/L
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)
- PAH — POLYCYCLIC AROMATIC HYDROCARBONS

NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

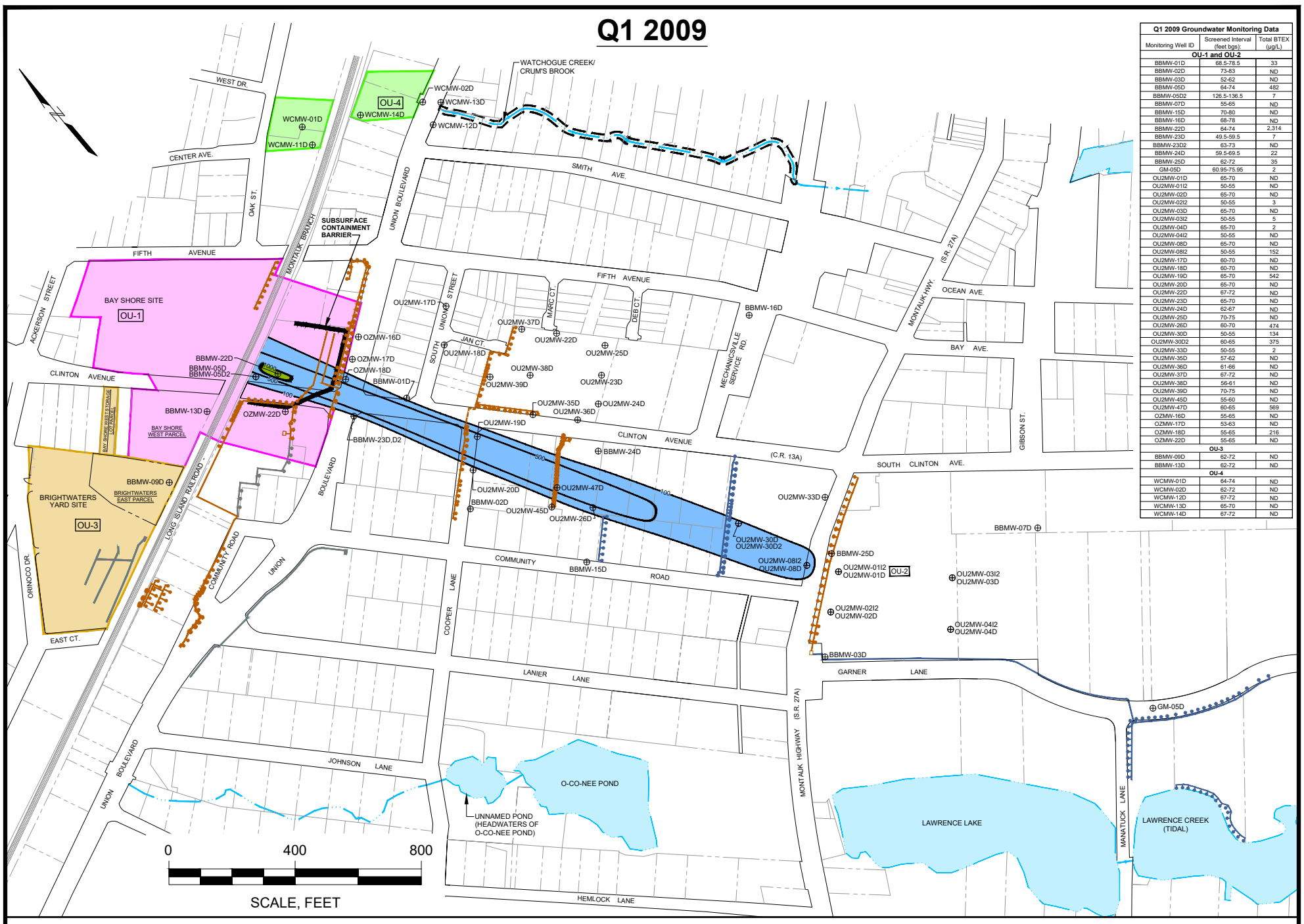
GEI Consultants

INTERMEDIATE GROUNDWATER
TOTAL PAH
ISO-CONCENTRATION MAPS
(10-50 FEET BGS)

Project 1905774 | November 2023 | Fig. 9

\\geiconsulta \\geiconsultants.com\data\Data_Storage\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2023\Q2\6-11_1905774_OMMQ223_ISOC.dwg - 11/8/2023

Q1 2009



Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-01D	68.5-78.5	33
BBMW-02D	73-83	ND
BBMW-03D	52-62	ND
BBMW-05D	64-74	482
BBMW-05D2	126.5-136.5	7
BBMW-07D	55-65	ND
BBMW-15D	70-80	ND
BBMW-16D	68-78	ND
BBMW-22D	64-74	2,314
BBMW-23D	49.5-59.5	7
BBMW-23D2	63-73	ND
BBMW-24D	59.5-69.5	22
BBMW-25D	62-72	35
GM-05D	60.95-75.95	2
OU2MW-01D	65-70	ND
OU2MW-01I2	50-55	ND
OU2MW-02D	65-70	ND
OU2MW-02I2	50-55	3
OU2MW-03D	65-70	ND
OU2MW-03I2	50-55	5
OU2MW-04D	65-70	2
OU2MW-04I2	50-55	ND
OU2MW-08D	65-70	ND
OU2MW-08I2	50-55	152
OU2MW-17D	60-70	ND
OU2MW-18D	60-70	ND
OU2MW-19D	65-70	542
OU2MW-20D	65-70	ND
OU2MW-22D	67-72	ND
OU2MW-23D	65-70	ND
OU2MW-24D	62-67	ND
OU2MW-25D	70-75	ND
OU2MW-26D	60-70	474
OU2MW-30D	50-55	134
OU2MW-30D2	60-65	375
OU2MW-33D	50-55	2
OU2MW-35D	57-62	ND
OU2MW-36D	61-66	ND
OU2MW-37D	67-72	ND
OU2MW-38D	56-61	ND
OU2MW-39D	70-75	ND
OU2MW-45D	55-60	ND
OU2MW-47D	60-65	569
OZMW-16D	55-65	ND
OZMW-17D	53-63	ND
OZMW-18D	55-65	216
OZMW-22D	55-65	ND
OU-3		
BBMW-09D	62-72	ND
BBMW-13D	62-72	ND
OU-4		
WCMW-01D	64-74	ND
WCMW-02D	62-72	ND
WCMW-12D	67-72	ND
WCMW-13D	65-70	ND
WCMW-14D	67-72	ND

Q2 2023

Q2 2023 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (feet bgs)	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-01D	68.5-78.5	0.75
BBMW-03D	52-62	ND
BBMW-05D*	64-74	1,406
OU2MW-01I2	50-55	ND
OU2MW-01D	65-70	ND
OU2MW-02I2	50-55	ND
OU2MW-02D	65-70	ND
OU2MW-04I2D	50-55	ND
OU2MW-04D	65-70	1.3
OU2MW-08I2D	50-55	ND
OU2MW-08D	65-70	ND
OU2MW-19D	65-70	ND
OU2MW-27D	65-70	ND
OU2MW-30D	50-55	ND
OU2MW-30D2	60-65	ND
OU2MW-39D	70-75	ND
OU2MW-42D	60-65	14.79
OU2MW-43D	65-70	6
OU2MW-47D	60-65	ND
OU2MW-50D	65-70	ND
OZMW-16D	55-65	ND
OZMW-17D	53-63	205
OZMW-18D	55-65	96
OZMW-23D	55-65	ND
OZMW-24D	55-65	460

NOTE:

* INDICATES WELL NOT SAMPLED IN Q2 2023 DUE TO MEASURABLE LEVELS OF DNAPL. THE AVERAGE CONCENTRATIONS FROM THE FOUR MOST RECENT SAMPLING EVENTS WERE USED TO GENERATE CONTOURS.

LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- ⊕BBMW-05D — WELL NOT SAMPLED IN Q2 2023 DUE TO MEASURABLE LEVELS OF DNAPL
- µg/L — MICROGRAMS PER LITER
- BTEX ≧100 µg/L
- BTEX ≧1,000 µg/L
- BTEX — BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

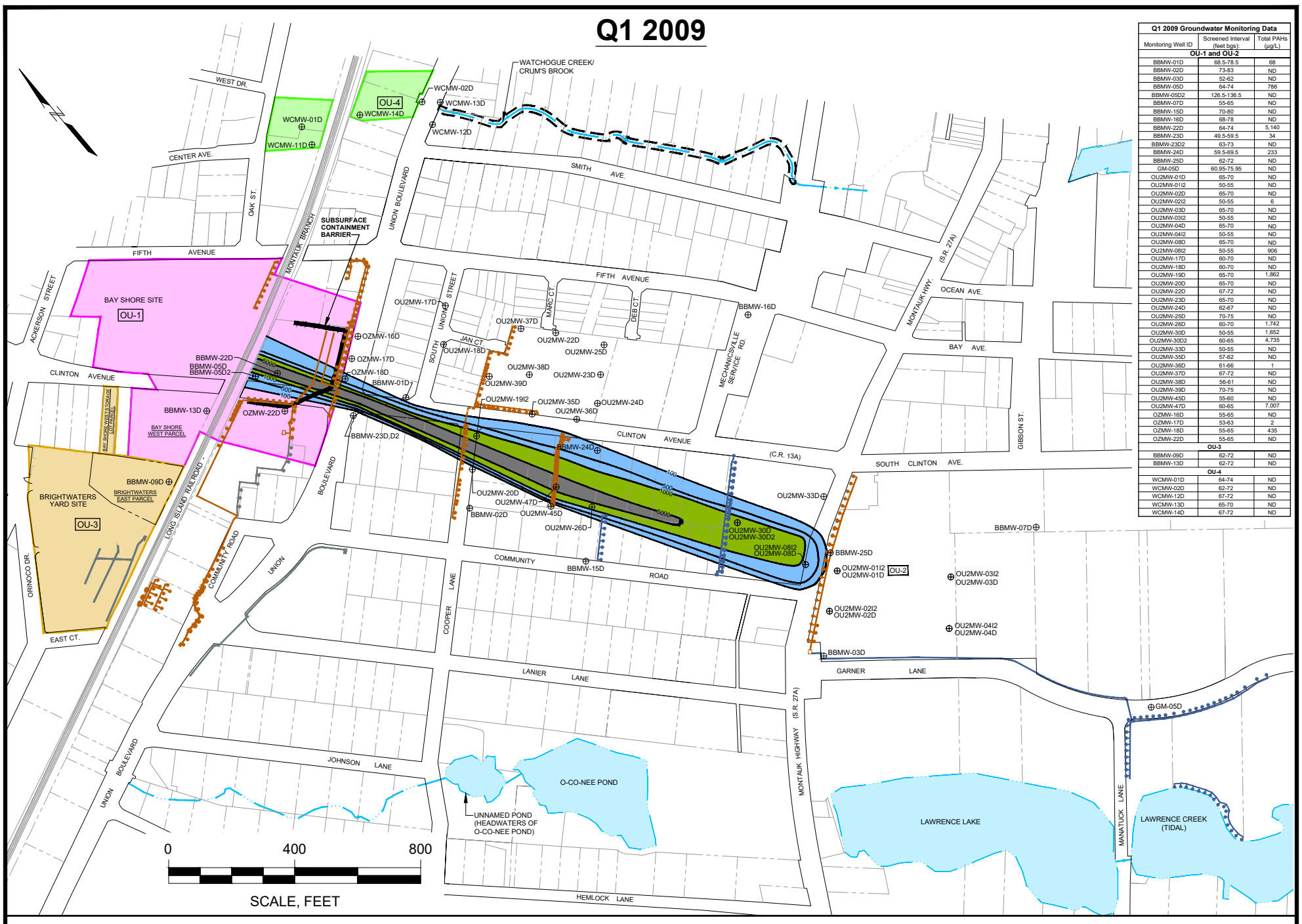
DEEP GROUNDWATER
TOTAL BTEX
ISO-CONCENTRATION MAPS
(BELOW 50 FEET BGS)

Project 1905774 | November 2023 | Fig. 10

\\geiconsulta \\geiconsultants.com\data\Data_Storage\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2023\Q2\6-11_1905774_OMMQ223_ISOC.dwg - 11/8/2023

Q1 2009

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
BBMW-01D	68.5-78.5	68
BBMW-02D	73-83	ND
BBMW-03D	52-62	ND
BBMW-05D	64-74	786
BBMW-05D2	126.5-136.5	ND
BBMW-07D	55-65	ND
BBMW-15D	70-80	ND
BBMW-16D	68-78	ND
BBMW-22D	64-74	5,140
BBMW-23D	49.5-59.5	34
BBMW-23D2	63-73	ND
BBMW-24D	59.5-69.5	233
BBMW-25D	62-72	ND
GM-05D	60.95-75.95	ND
OU2MW-01D	65-70	ND
OU2MW-01I2	50-55	ND
OU2MW-02D	65-70	ND
OU2MW-02I2	50-55	6
OU2MW-03D	65-70	ND
OU2MW-03I2	50-55	ND
OU2MW-04D	65-70	ND
OU2MW-04I2	50-55	ND
OU2MW-08D	65-70	ND
OU2MW-08I2	50-55	906
OU2MW-17D	60-70	ND
OU2MW-18D	60-70	ND
OU2MW-19D	65-70	1,862
OU2MW-20D	65-70	ND
OU2MW-22D	67-72	ND
OU2MW-23D	65-70	ND
OU2MW-24D	62-67	ND
OU2MW-25D	70-75	ND
OU2MW-26D	60-70	1,742
OU2MW-30D	50-55	1,652
OU2MW-30D2	60-65	4,735
OU2MW-33D	50-55	ND
OU2MW-35D	57-62	ND
OU2MW-36D	61-66	1
OU2MW-37D	67-72	ND
OU2MW-38D	56-61	ND
OU2MW-39D	70-75	ND
OU2MW-45D	55-60	ND
OU2MW-47D	60-65	7,007
OZMW-16D	55-65	ND
OZMW-17D	53-63	2
OZMW-18D	55-65	435
OZMW-22D	55-65	ND
OU-3		
BBMW-09D	62-72	ND
BBMW-13D	62-72	ND
OU-4		
WCMW-01D	64-74	ND
WCMW-02D	62-72	ND
WCMW-12D	67-72	ND
WCMW-13D	65-70	ND
WCMW-14D	67-72	ND

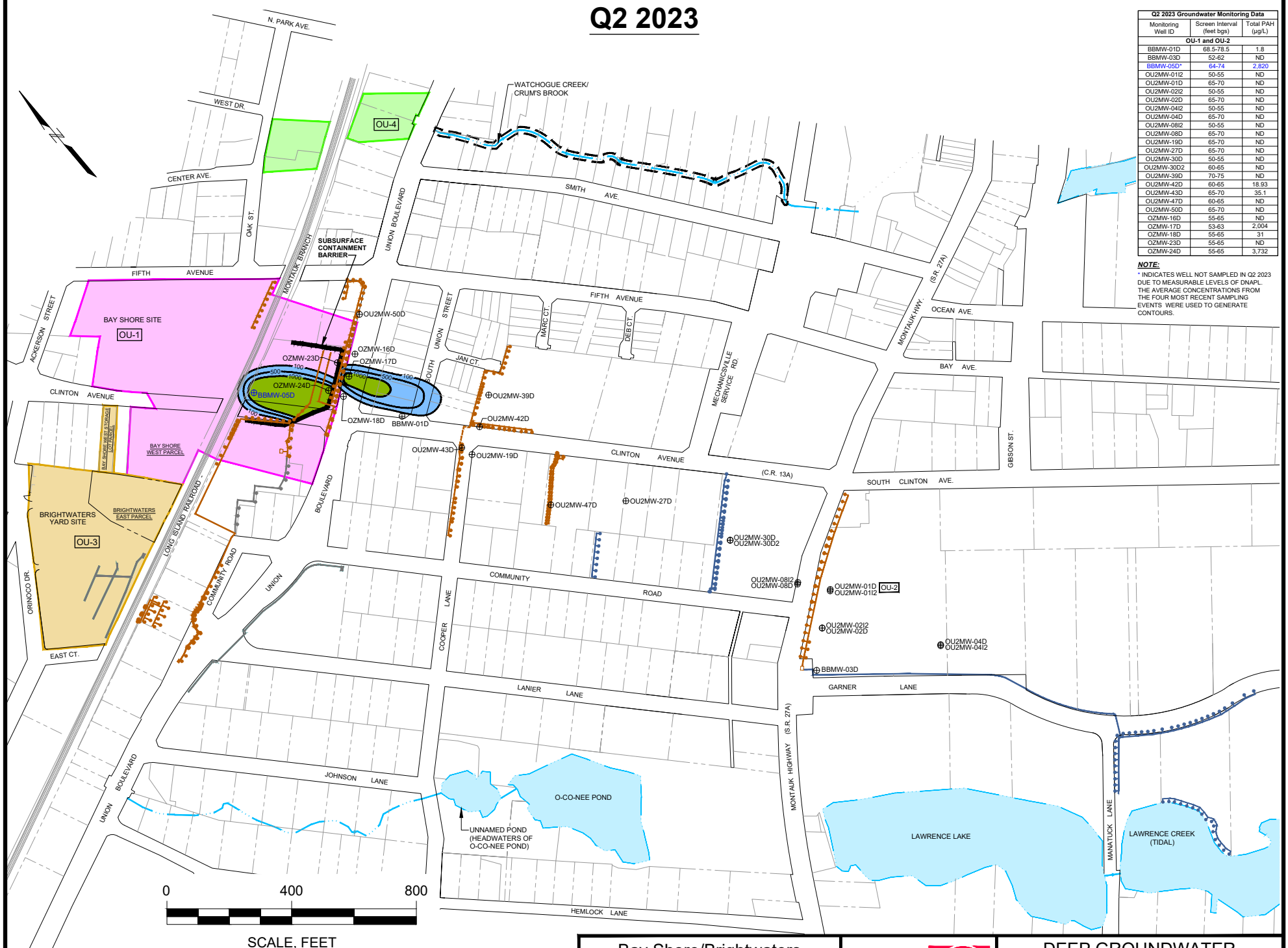


Q2 2023

Q2 2023 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (feet bgs)	Total PAH (µg/L)
OU-1 and OU-2		
BBMW-01D	68.5-78.5	1.8
BBMW-03D	52-62	ND
BBMW-05D*	64-74	2,820
OU2MW-01I2	50-55	ND
OU2MW-01D	65-70	ND
OU2MW-02I2	50-55	ND
OU2MW-02D	65-70	ND
OU2MW-04I2	50-55	ND
OU2MW-04D	65-70	ND
OU2MW-08I2	50-55	ND
OU2MW-08D	65-70	ND
OU2MW-19D	65-70	ND
OU2MW-27D	65-70	ND
OU2MW-30D	50-55	ND
OU2MW-30D2	60-65	ND
OU2MW-39D	70-75	ND
OU2MW-42D	60-65	18.93
OU2MW-43D	65-70	35.1
OU2MW-47D	60-65	ND
OU2MW-50D	65-70	ND
OZMW-16D	55-65	ND
OZMW-17D	53-63	2,004
OZMW-18D	55-65	31
OZMW-23D	55-65	ND
OZMW-24D	55-65	3,732

NOTE:

* INDICATES WELL NOT SAMPLED IN Q2 2023 DUE TO MEASURABLE LEVELS OF DNAPL. THE AVERAGE CONCENTRATIONS FROM THE FOUR MOST RECENT SAMPLING EVENTS WERE USED TO GENERATE CONTOURS.



LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- ⊕BBMW-05D — WELL NOT SAMPLED IN Q2 2023 DUE TO MEASURABLE LEVELS OF DNAPL
- µg/L — MICROGRAMS PER LITER
- PAH — POLYCYCLIC AROMATIC HYDROCARBONS
- TOTAL PAH ≧100 µg/L
- TOTAL PAH ≧1,000 µg/L
- TOTAL PAH ≧5,000 µg/L
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

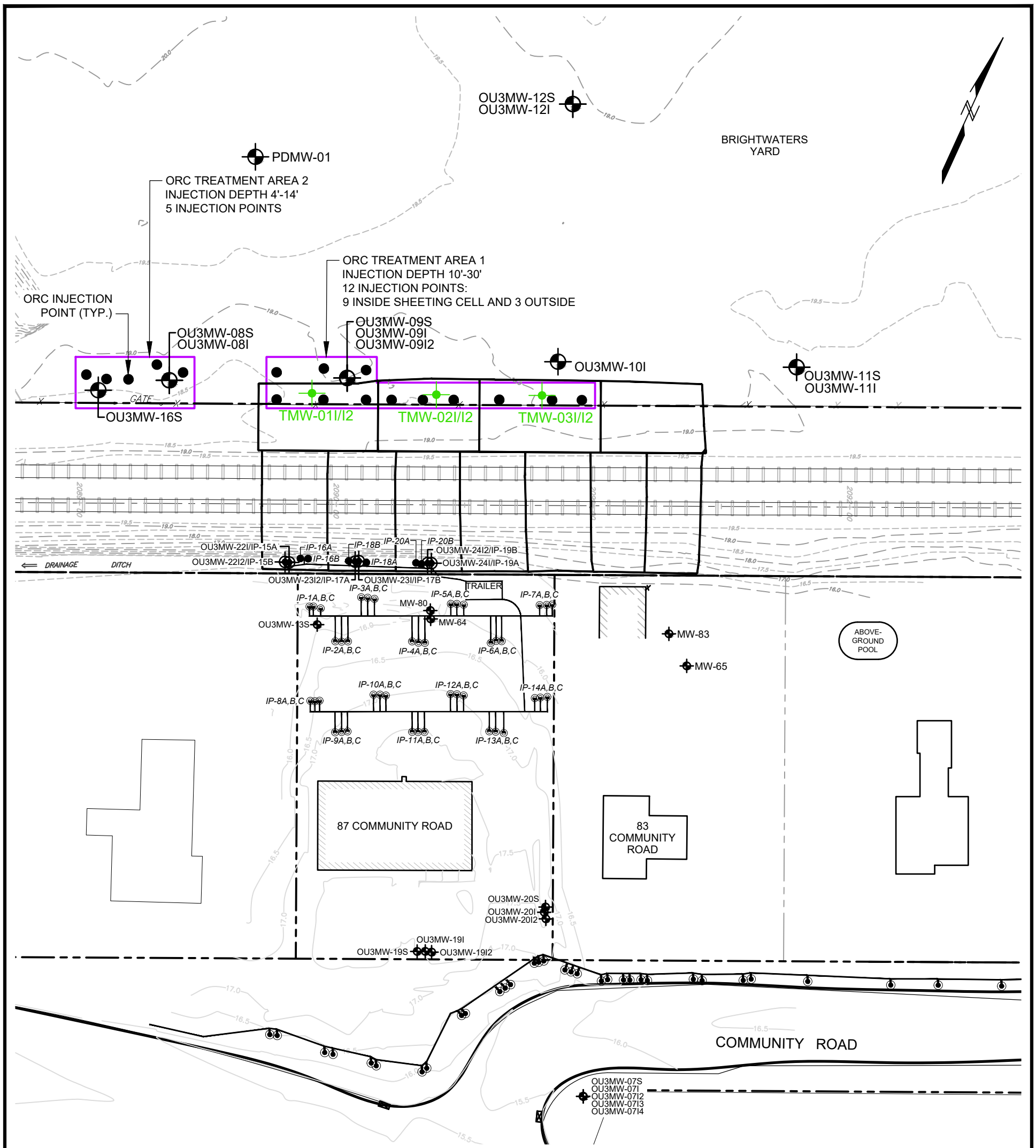
nationalgrid

GEI Consultants

DEEP GROUNDWATER
TOTAL PAH
ISO-CONCENTRATION MAPS
(BELOW 50 FEET BGS)

Project 1905774 | November 2023 | Fig. 11

\\geiconsulta \\geiconsultants.com\data\Data_Storage\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2023\Q2\6-11_1905774_OMMQ223_ISOC.dwg - 11/8/2023



SOURCES:

1. BOUNDARY AND TOPOGRAPHIC SURVEYS OF SEC. 391, BLOCK 1 SUFFOLK COUNTY, NEW YORK PREPARED BY KS ENGINEERS, P.C., 24 COMMERCE STREET, NEWARK, N.J. 07102 DATED 07/09/09, 01/21/11 AND 07/06/2011.
2. LIRR EXCAVATION IRM PHASES I, II, AND III WERE SURVEYED IN JANUARY, MAY, AND SEPTEMBER 2010 BY KS ENGINEERS, P.C., RESPECTIVELY.
3. 2004 IRM EXCAVATION LOCATIONS ARE APPROXIMATE AND BASED ON "FIGURE 3 BRIGHTWATERS YARD PHASE I SUPPLEMENTAL IRM ACTIVITIES" OF THE FINAL SUPPLEMENTAL IRM COMPLETION REPORT PREPARED BY PAULUS, SOKOLOWSKI AND SARTOR, ENGINEERING P.C.

SURVEYORS NOTES:

1. VERTICAL DATUM NAVD 88 AND HORIZONTAL DATUM NEW YORK LONG ISLAND STATE PLANE COORDINATE SYSTEM (NAD 83) ESTABLISHED BY GLOBAL POSITIONING SYSTEM METHODOLOGY
2. R.O.W. AND BASELINE OF THE LONG ISLAND RAILROAD ESTABLISHED PER A CERTAIN MAP TITLED "STATION MAP-LANDS, THE LONG ISLAND RAILROAD COMPANY OPERATED BY THE LONG ISLAND RAILROAD COMPANY, MONTAUK DIVISION, STATION 2104+56.57 TO STATION 2154+65.772", DATED JUNE 30, 1916, FOUND IN THE OFFICE OF THE VALUATION ENGINEER, JAMAICA, NEW YORK, SHEETS V1/65 & V1/66.
3. MAP REFERENCE: A CERTAIN MAP TITLED "LAWRANCE FARM CORPORATION, SECTION ONE, BAY SHORE, SUFFOLK CO., NEW YORK", PREPARED BY EUGENE R. SMITH, C.E., ISLIP, NY DATED MARCH-1923 AND FILED ON APRIL 28, 1923 AS FILE No. 776.

LEGEND:

- EXISTING BUILDING
- BUILDING NOT SURVEYED
- PROPERTY LINE (SURVEYED)
- PROPERTY LINE (APPROXIMATE)
- FENCE
- LIRR ROW
- 19.0 EXISTING GROUND SURFACE CONTOUR (FT)
- EXISTING RAILROAD RAIL
- GROUNDWATER MONITORING WELL CLUSTER (S = SHALLOW, I = INTERMEDIATE)
- FT BGS FEET BELOW GROUND SURFACE
- SHEETING LEFT IN PLACE (2 FT - 30 FT BGS)
- OXYGEN INJECTION SYSTEM
- TEMPORARY MONITORING WELL CLUSTER - SEPTEMBER 2019
- APPROXIMATE ORC-A INJECTION POINT

0 40 80

SCALE: 1" = 40'

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

ORC-A APPLICATION

Project 1905774 | December 2023 | Fig. 12

\\Gtb-pzcc-1\ I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2022\Figures\Q2_2022\1905774_OMMQ222_ORCA.dwg - 12/14/2022

Appendix A

Groundwater Monitoring Program Tracking Summary

Appendix A. Groundwater Monitoring Program Tracking Summary
Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site

Sample Location Designation	Total Depth (ft bgs)	Well Screen Interval (ft bgs)	Q3 2022	Q4 2022	Q1 2023	Q2 2023
OU-1 Monitoring Wells						
BBMW-05D	74	64-74	X	X	X	X
BBMW-20I	45	35-45	X	X	X	X
BBMW-22S	10	5-10	X	X	X	X
BBMW-22I	10	30-40	-	X	X	X
BBMW-22D	10	64-74	-*	-*	-*	-*
BBMW-34S	10	5-15	X	X	X	X
BBMW-34I	10	25-30	X	X	X	X
BBMW-34I2	10	40-45	-*	-*	-*	-*
BBMW-37S	10	5-15	X	X	X	X
BBMW-38S	10	5-15	X	X	X	X
BBMW-38I	10	25-30	-*	-*	-*	-*
BBMW-38I2	10	40-45	-*	-*	-*	-*
BBMW-38D	10	65-70	-	-	-	-
BBMW-39S	10	5-15	X	X	X	X
BBMW-39I	10	25-30	-	-	-	-
BBMW-39I2	10	45-50	-	-	-	-
BBMW-39D	10	65-70				
BBMW-40S	10	5-15	X	-	X	X
BBMW-40I	10	25-30	-	-	-	-
BBMW-40I2	10	45-50	-	-	-	-
BBMW-40D	10	70-75	-	-	-	-
BBMW-41S	10	6-16	X	X	X	X
BBMW-41I	10	25-30	X	X	X	X
BBMW-41I2	10	45-50	-	-	-	-
BBMW-41D	10	65-70	-	-	-	-
BBMW-42S	10	5-10	X	X	X	X
BBMW-42I	10	15-25	-	-	-	-
BBMW-42I2	10	35-45	-	-	-	-
BBMW-43S	10	5-10	-	-	-	-
BBMW-43I	10	15-25	-	-	-	-
BBMW-43I2	10	35-45	-	-	-	-
MW-03S	10	3-13	-	-	-	-
MW-03D	10	35-45	-	-	-	-
MW-05S	10	4-14	X	X	X	X
MW-05D	10	35.5-45.5	X	X	X	X
MW-09S	10	4-14	-	-	-	-
MW-09I	10	30-40	-	-	-	-
MW-09I2	10	45-50	-	-	-	-
MW-09D	10	65-70	-	-	-	-
OU2MW-48S	10	3-13	-	-	-	-
OU2MW-48I	10	25-30	-	-	-	-
OU2MW-48I2	10	45-50	-	-	-	-
OU2MW-48D	10	65-70	-	-	-	-
OU2MW-49S	10	3-13	-	-	-	-

Appendix A. Groundwater Monitoring Program Tracking Summary
Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site

Sample Location Designation	Total Depth (ft bgs)	Well Screen Interval (ft bgs)	Q3 2022	Q4 2022	Q1 2023	Q2 2023
OU2MW-49I	10	25-30	-	-	-	-
OU2MW-49I2	10	45-50	-	-	-	-
OU2MW-49D	10	63-68	-	-	-	-
OU2MW-50S	10	5-15	X	X	X	X
OU2MW-50I	10	25-30	X	X	X	X
OU2MW-50I2	10	45-50	X	X	X	X
OU2MW-50D	10	65-70	X	X	X	X
OU2MW-51S	10	5-15	-	-	-	-
OU2MW-51I	10	25-30	-	-	-	-
OU2MW-51I2	10	45-50	-	-	-	-
OU2MW-51D	10	61-66	-	-	-	-
OU2MW-57S	10	5-15	X	X	X	X
OU2MW-57I	10	20-30	X	X	X	X
OU2MW-57I2	10	35-45	X	X	X	X
OZMW-16S	10	5-15	X	X	X	X
OZMW-16I	10	20-25	X	X	X	X
OZMW-16I2	10	35-40	X	X	X	X
OZMW-16D	10	55-60	X	X	X	X
OZMW-17S	10	5-15	X	X	X	X
OZMW-17I	10	20-25	X	X	X	X
OZMW-17I2	10	35-40	X	X	X	X
OZMW-17D	10	53-63	X	X	X	X
OZMW-18S	10	5-15	X	X	X	X
OZMW-18I	10	20-25	X	X	X	X
OZMW-18I2	10	35-40	X	X	X	X
OZMW-18D	10	55-60	X	X	X	X
OZMW-19S	10	5-15	X	X	X	X
OZMW-19I	10	20-25	X	X	X	X
OZMW-19I2	10	35-40	X	X	X	X
OZMW-19D	10	55-60	-	-	-	-
OZMW-21S	10	5-15	-*	-*	-*	-*
OZMW-21I	10	20-25	-*	-*	-*	-*
OZMW-21I2	10	35-40	X	X	X	X
OZMW-21D	10	55-60	-*	-*	-*	-*
OZMW-22SR	10	5-15	X	-	-	-
OZMW-22IR	10	20-30	-	-	-	-
OZMW-23S	10	5-15	X	X	X	X
OZMW-23I	10	20-25	X	X	X	X
OZMW-23I2	10	35-40	X	X	X	X
OZMW-23D	10	55-65	X	X	X	X
OZMW-24S	10	5-15	X	X	X	X
OZMW-24I	10	20-25	X	X	X	X
OZMW-24I2	10	35-40	X	X	X	X
OZMW-24D	10	55-65	X	X	X	X
OZMW-25S	10	5-15	X	X	X	X
OZMW-25I	10	20-25	X	X	X	X

Appendix A. Groundwater Monitoring Program Tracking Summary
Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site

Sample Location Designation	Total Depth (ft bgs)	Well Screen Interval (ft bgs)	Q3 2022	Q4 2022	Q1 2023	Q2 2023
OZMW-25I2	10	35-40	X	X	X	X
OZMW-25D	10	55-65	-	-	-	-
OZMW-26S	10	5-15	-	-	-	-
OZMW-26I	10	20-25	-	-	-	-
OZMW-26I2	10	35-40	X	X	X	X
OZMW-26D	10	55-65	-	-	-	-
OU1PZ-101	10	4-14	X	X	X	X
OU1PZ-102	10	4-14	X	X	X	X
OU1PZ-103	10	4-14	X	X	X	X
OU1PZ-104	10	4-14	X	X	X	X
OU1PZ-105	10	4-14	X	X	X	X
			55	54	55	55
OU-2 Monitoring Wells						
BBMW-01S	1-15	5-15	-	-	-	-
BBMW-01I	42	32-42	-	-	-	-
BBMW-01D	78.5	68.5-78.5	-	-	-	X
BBMW-02S	15	5-15	-	-	-	-
BBMW-02I	40	30-40	-	-	-	-
BBMW-02D	73	63-73	-	-	-	-
BBMW-03S	13	3-13	-	-	-	X
BBMW-03I	40	30-40	-	-	-	X
BBMW-03D	83	73-83	-	-	-	X
BBMW-07S	15	5-15	-	-	-	-
BBMW-07I	40	30-40	-	-	-	-
BBMW-07D	65	55-65	-	-	-	-
BBMW-15S	15	5-15	-	-	-	-
BBMW-15I	28	23-28	-	-	-	-
BBMW-15I2	45	35-45	-	-	-	-
BBMW-15D	80	70-80	-	-	-	-
BBMW-16S	15	5-15	-	-	-	-
BBMW-16I	45	35-45	-	-	-	-
BBMW-16D	78	68-78	-	-	-	-
BBMW-23S	15	5-15	X	X	X	X
BBMW-23I	43	33-43	-	-	-	-
BBMW-23D	59.5	49.5-59.5	-	-	-	-
BBMW-23D2	73	63-73	-	-	-	-
BBMW-24S	14	4-14	-	-	-	-
BBMW-24I	42	32-42	-	-	-	-
BBMW-24D	69.5	59.5-69.5	-	-	-	-
BBMW-25S	14	4-14	-	-	-	-
BBMW-25I	35	25-35	-	-	-	-
BBMW-25D	72	62-72	X	X	X	X
GM-05S	20.1	5.1-20.1	-	-	-	-
GM-05I	48.05	35.05-48.05	-	-	-	-
GM-05D	75.95	60.95-75.95	-	-	-	-
GM-06S	unknown	unknown	-	-	-	-

Appendix A. Groundwater Monitoring Program Tracking Summary
Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site

Sample Location Designation	Total Depth (ft bgs)	Well Screen Interval (ft bgs)	Q3 2022	Q4 2022	Q1 2023	Q2 2023
GM-06I	unknown	unknown	-	-	-	-
GM-06D	unknown	unknown	-	-	-	-
GM-07S	24.75	9.75-24.75	-	-	-	-
GM-07I	44.6	29.6-44.6	-	-	-	-
GM-07D	65.3	50.3-65.3	-	-	-	-
GM-08S	21.35	6.35-21.35	-	-	-	-
GM-08I	44.95	29.95-44.95	-	-	-	-
GM-08D	63.25	48.25-63.25	-	-	-	-
GM-09S	19.7	4.7-19.7	-	-	-	-
GM-09I	43.7	28.7-43.7	-	-	-	-
GM-09D	63.35	48.35-63.35	-	-	-	-
GM-10S	unknown	unknown	-	-	-	-
GM-10I	unknown	unknown	-	-	-	-
GM-10D	unknown	unknown	-	-	-	-
GM-10AD	unknown	unknown	-	-	-	-
GMP-01	30	25-30	-	-	-	-
GMP-02	23	18-23	-	-	-	-
GMP-04	20.5	15.5-20.5	-	-	-	-
MW-16AS	13	3.0-13.0	-	-	-	-
MW-57W	10	2.0-10.0	-	-	-	-
MW-58W	10	2.0-10.0	-	-	-	-
OU2IW-01S	8	3-8	-	-	-	-
OU2MW-01WT	8	3-8	-	-	-	X
OU2MW-01S	25	20-25	-	-	-	X
OU2MW-01I	40	35-40	-	-	-	X
OU2MW-01I2	55	50-55	-	-	-	X
OU2MW-01D	70	65-70	-	-	-	X
OU2MW-02S	25	20-25	X	X	X	X
OU2MW-02I	40	35-40	X	X	X	X
OU2MW-02I2	55	50-55	X	X	X	X
OU2MW-02D	70	65-70	X	X	X	X
OU2MW-03S	25	20-25	-	-	-	-
OU2MW-03I	40	35-40	-	-	-	-
OU2MW-03I2	55	50-55	-	-	-	-
OU2MW-03D	70	65-70	-	-	-	-
OU2MW-04WT	8	3-8	-	-	-	X
OU2MW-04S	25	20-25	-	-	-	X
OU2MW-04I	40	35-40	-	-	-	X
OU2MW-04I2	55	50-55	-	-	-	X
OU2MW-04D	70	65-70	-	-	-	X
OU2MW-05	35	25-35	-	-	-	-
OU2MW-06	25	15-25	-	-	-	-
OU2MW-06S	8	3-8	-	-	-	-
OU2MW-07	25	15-25	-	-	-	-
OU2MW-07S	8	3-8	-	-	-	-
OU2MW-08WT	8	3-8	-	-	-	X

Appendix A. Groundwater Monitoring Program Tracking Summary
Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site

Sample Location Designation	Total Depth (ft bgs)	Well Screen Interval (ft bgs)	Q3 2022	Q4 2022	Q1 2023	Q2 2023
OU2MW-08S	25	20-25	-	-	-	X
OU2MW-08I	40	35-40	-	-	-	X
OU2MW-08I2	55	50-55	-	-	-	X
OU2MW-08D	70	65-70	-	-	-	X
OU2MW-09	40	30-40	-	-	-	-
OU2MW-10S	7	3-7	-	-	-	-
OU2MW-10I	25	20-25	-	-	-	-
OU2MW-10D	40	35-40	-	-	-	-
OU2MW-11S	8	3-8	-	-	-	-
OU2MW-11I	25	20-25	-	-	-	-
OU2MW-11I2	35	30-35	-	-	-	-
OU2MW-11D	45	40-45	-	-	-	-
OU2MW-12S	7	3-7	X	X	X	X
OU2MW-12I	25	20-25	X	X	X	X
OU2MW-12I2	35	30-35	X	X	X	X
OU2MW-12D	45	40-45	X	X	X	X
OU2MW-13S	8	3-8	-	-	-	-
OU2MW-13I	25	20-25	-	-	-	-
OU2MW-13D	40	35-40	-	-	-	-
OU2MW-14S	8	3-8	-	-	-	-
OU2MW-14I	25	20-25	-	-	-	-
OU2MW-14I2	50	45-50	-	-	-	-
OU2MW-15S	8	3-8	-	-	-	-
OU2MW-15I	25	20-25	-	-	-	-
OU2MW-15I2	25	30-25	-	-	-	-
OU2MW-15D	45	40-45	-	-	-	-
OU2MW-16S	8	3-8	-	-	-	-
OU2MW-16I	20	15-20	-	-	-	-
OU2M2-16I2	30	25-30	-	-	-	-
OU2MW-16D	40	35-40	-	-	-	-
OU2MW-17S	10	5-10	-	-	-	-
OU2MW-17I	23	13-23	-	-	-	-
OU2MW-17I2	45	35-45	-	-	-	-
OU2MW-17D	70	60-70	-	-	-	-
OU2MW-18I	23	13-23	-	-	-	-
OU2MW-18I2	45	35-45	-	-	-	-
OU2MW-18D	70	60-70	-	-	-	-
OU2MW-19I	23	13-23	X	X	X	X
OU2MW-19I2	45	35-45	X	X	X	X
OU2MW-19D	70	65-70	X	X	X	X
OU2MW-20S	9	4-9	-	-	-	-
OU2MW-20I	23	13-23	-	-	-	-
OU2MW-20I2	45	35-45	-	-	-	-
OU2MW-20D	70	65-70	-	-	-	-
OU2MW-21S	15	5-15	-	-	-	-
OU2MW-21I	23	13-23	-	-	-	-

Appendix A. Groundwater Monitoring Program Tracking Summary
Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site

Sample Location Designation	Total Depth (ft bgs)	Well Screen Interval (ft bgs)	Q3 2022	Q4 2022	Q1 2023	Q2 2023
OU2MW-21I2	45	35-45	-	-	-	-
OU2MW-22S	15	5-15	-	-	-	-
OU2MW-22I	30	25-30	-	-	-	-
OU2MW-22I2	51	46-51	-	-	-	-
OU2MW-22D	72	67-72	-	-	-	-
OU2MW-23S	15	5-15	-	-	-	-
OU2MW-23I	30	25-30	-	-	-	-
OU2MW-23I2	50	45-50	-	-	-	-
OU2MW-23D	70	65-70	-	-	-	-
OU2MW-24S	15	5-15	-	-	-	-
OU2MW-24I	30	25-30	-	-	-	-
OU2MW-24I2	50	45-50	-	-	-	-
OU2MW-24D	67	62-67	-	-	-	-
OU2MW-25S	15	5-15	-	-	-	-
OU2MW-25I	30	25-30	-	-	-	-
OU2MW-25I2	50	45-50	-	-	-	-
OU2MW-25D	75	70-75	-	-	-	-
OU2MW-26S	11	6-11	-	-	-	-
OU2MW-26I	23	13-23	-	-	-	-
OU2MW-26I2	45	35-45	-	-	-	-
OU2MW-26D	70	60-70	-	-	-	-
OU2MW-27S	15	5-15	X	-	-	X
OU2MW-27I	30	25-30	X	-	-	X
OU2MW-27I2	50	45-50	X	-	-	X
OU2MW-27D	70	65-70	X	-	-	X
OU2MW-28S	15	5-15	X	-	-	X
OU2MW-28I	33	28-33	X	-	-	X
OU2MW-28I2	45	40-45	X	-	-	X
OU2MW-29I	23	18-23	X	-	-	X
OU2MW-29I2	35	30-35	X	-	-	X
OU2MW-29D	45	40-45	X	-	-	X
OU2MW-30S	15	5-15	X	X	X	X
OU2MW-30I	30	25-30	X	X	X	X
OU2MW-30I2	35	30-35	X	X	X	X
OU2MW-30I3	50	45-50	X	X	X	X
OU2MW-30D	55	50-55	X	X	X	X
OU2MW-30D2	65	60-65	X	X	X	X
OU2MW-31I	23	18-23	X	-	-	X
OU2MW-31I2	35	30-35	X	-	-	X
OU2MW-32S	15	5-15	-	-	-	-
OU2MW-32I	25	20-25	-	-	-	-
OU2MW-32I2	35	30-35	-	-	-	-
OU2MW-32D	45	40-45	-	-	-	-
OU2MW-33S	15	5-15	-	-	-	-
OU2MW-33I	30	25-30	-	-	-	-
OU2MW-33I2	40	35-40	-	-	-	-

Appendix A. Groundwater Monitoring Program Tracking Summary
Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site

Sample Location Designation	Total Depth (ft bgs)	Well Screen Interval (ft bgs)	Q3 2022	Q4 2022	Q1 2023	Q2 2023
OU2MW-33D	55	50-55	-	-	-	-
OU2MW-34S	15	5-15	-	-	-	-
OU2MW-34IR	30	25-30	-	-	-	-
OU2MW-34I2R	50	45-50	-	-	-	-
OU2MW-35S	15	5-15	-	-	-	-
OU2MW-35I	30	25-30	-	-	-	-
OU2MW-35I2	50	45-50	-	-	-	-
OU2MW-35D	62	57-62	-	-	-	-
OU2MW-36S	15	5-15	-	-	-	-
OU2MW-36I	30	25-30	-	-	-	-
OU2MW-36I2	50	45-50	-	-	-	-
OU2MW-36D	66	61-66	-	-	-	-
OU2MW-37S	15	5-15	-	-	-	-
OU2MW-37I	30	25-30	-	-	-	-
OU2MW-37I2	50	45-50	-	-	-	-
OU2MW-37D	72	67-72	-	-	-	-
OU2MW-38S	15	5-15	-	-	-	-
OU2MW-38I	30	25-30	-	-	-	-
OU2MW-38I2	51	46-51	-	-	-	-
OU2MW-38D	61	56-61	-	-	-	-
OU2MW-39S	15	5-15	X	X	X	X
OU2MW-39I	30	25-30	X	X	X	X
OU2MW-39I2	50	45-50	X	X	X	X
OU2MW-39D	75	70-75	X	X	X	X
OU2MW-40S	15	5-15	X	-	-	X
OU2MW-40I	23	18-23	X	-	-	X
OU2MW-41S	15	5-15	X	-	-	X
OU2MW-41I	23	18-23	X	-	-	X
OU2MW-42S	15	5-15	-	-	-	-
OU2MW-42I	30	25-30	-	-	-	-
OU2MW-42I2	50	45-50	-	-	-	-
OU2MW-42D	65	60-65	X	X	X	X
OU2MW-43S	15	5-15	-	-	-	-
OU2MW-43I	30	25-30	-	-	-	-
OU2MW-43I2	50	45-50	-	-	-	-
OU2MW-43D	70	65-70	X	X	X	X
OU2MW-44S	15	5-15	-	-	-	-
OU2MW-44I	30	25-30	-	-	-	-
OU2MW-44I2	50	45-50	-	-	-	-
OU2MW-44D	70	65-70	-	-	-	-
OU2MW-45S	15	5-15	-	-	-	-
OU2MW-45I	25	20-25	-	-	-	-
OU2MW-45I2	45	40-45	-	-	-	-
OU2MW-45D	60	55-60	-	-	-	-
OU2MW-46S	15	5-15	-	-	-	-
OU2MW-46I	25	20-25	-	-	-	-

Appendix A. Groundwater Monitoring Program Tracking Summary
Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site

Sample Location Designation	Total Depth (ft bgs)	Well Screen Interval (ft bgs)	Q3 2022	Q4 2022	Q1 2023	Q2 2023
OU2MW-46I2	45	40-45	-	-	-	-
OU2MW-47S	15	5-15	X	X	X	X
OU2MW-47I	25	20-25	X	X	X	X
OU2MW-47I2	45	40-45	X	X	X	X
OU2MW-47D	65	60-65	X	X	X	X
OU2MW-52S	8	3-8	-	-	-	-
OU2MW-52I	25	20-25	-	-	-	-
OU2MW-52D	40	35-40	-	-	-	-
OU2MW-53S	8	3-8	-	-	-	-
OU2MW-53I	25	20-25	-	-	-	-
OU2MW-53D	40	35-40	-	-	-	-
OU2MW-54S	15	5-15	-	-	-	-
OU2MW-54I	30	25-30	-	-	-	-
OU2MW-54I2	45	40-45	-	-	-	-
OU2MW-54D	65	60-65	-	-	-	-
OU2MW-55S	15	5-15	-	-	-	-
OU2MW-55I	35	30-35	-	-	-	-
OU2MW-55I2	55	50-55	-	-	-	-
OU2MW-55D	70	65-70	-	-	-	-
OU2MW-56S	15	5-15	-	-	-	-
OU2MW-56I	30	25-30	-	-	-	-
OU2MW-56I2	50	45-50	-	-	-	-
OU2MW-56D	70	65-70	-	-	-	-
OU2MW-58S	17	5-15	-	-	-	-
OU2MW-58I	32	25-30	-	-	-	-
			45	29	29	64
OU-3 Monitoring Wells						
TMW-1I	17	12-17	X	X	X	X
TMW-1I2	30	25-30	X	X	X	X
TMW-2I	17	12-17	-	-	-	-
TMW-2I2	30	25-30	X	X	X	X
TMW-3I	17	12-17	X	X	X	X
TMW-3I2	30	25-30	X	X	X	X
BBMW-09S	15	5-15	-	-	-	-
BBMW-09I	40	30-40	-	-	-	-
BBMW-09D	72	62-72	-	-	-	-
BBMW-28S	12	2-12	-	-	-	-
BBMW-28I	20	10-20	-	-	-	-
BBMW-29	9	2-9	-	-	-	-
BBMW-30S	10	2-10	-	-	-	-
BBMW-30I	19	14-19	-	-	-	-
BBMW-30D	35	30-35	-	-	-	-
BBMW-31S	10	2-10	-	-	-	-
BBMW-31I	19	14-19	-	-	-	-
BBMW-31D	35	30-35	-	-	-	-
BBMW-32S	10	2-10	-	-	-	-

Appendix A. Groundwater Monitoring Program Tracking Summary
Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site

Sample Location Designation	Total Depth (ft bgs)	Well Screen Interval (ft bgs)	Q3 2022	Q4 2022	Q1 2023	Q2 2023
BBMW-32I	19	14-19	-	-	-	-
BBMW-32D	35	30-35	-	-	-	-
BBMW-33	12	7-12	-	-	-	-
BW-UST-10	9.95	4.65-9.95	-	-	-	-
BW-UST-11	9.4	4.4-9.4	-	-	-	-
BW-UST-28	10	5-10	-	-	-	-
BW-UST-29	10	5-10	-	-	-	-
GM-02AS		unknown	-	-	-	-
GM-02AI		unknown	-	-	-	-
GM-02AD		unknown	-	-	-	-
IO-10	16	6-16	-	-	-	-
MW-01S	14	4-14	-	-	-	-
MW-01D	45	35-45	-	-	-	-
MW-03	14.94	4.94-14.94	-	-	-	-
MW-04	15.1	4.1-15.1	-	-	-	-
MW-11W	10	2-10	-	-	-	-
MW-12W	10	25-30	-	-	-	-
MW-13W	10	2-10	-	-	-	-
MW-29S	10	5-10	-	-	-	-
MW-29D	19	14-19	-	-	-	-
MW-30W-R	9	2-9	-	-	-	-
MW-32WR	9	2-9	-	-	-	-
MW-33W			-	-	-	-
MW-34S	10	2-10	-	-	-	-
MW-34I	19.5	18.5-19.5	-	-	-	-
MW-34D	28.5	27.5-28.5	-	-	-	-
MW-34DD	40	unknown	-	-	-	-
MW-37W	10	2-10	-	-	-	-
MW-39W	10	2-10	-	-	-	-
MW-45W	10	2-10	-	-	-	-
MW-46W-R	10	2-10	-	-	-	-
MW-64	24	19-24	X	X	X	X
MW-65	16	11-16	X	X	X	X
MW-66S	11.5	1.5-11.5	-	-	-	-
MW-66D	29	24-29	-	-	-	-
MW-67S	12	2.5 - 12.5	-	-	-	-
MW-67D	28.5	24 - 29	-	-	-	-
MW-68S	19.5	unknown	-	-	-	-
MW-68D	30	25.0-30.0	-	-	-	-
MW-70/70S	12	2-12	-	-	-	-
MW-73	12	2-12	-	-	-	-
MW-73I	27	22-27	-	-	-	-
MW-75	12	2-12	-	-	-	-
MW-75I	27	22-27	-	-	-	-
MW-76	12	2-12	-	-	-	-
MW-78	20	5-20	-	-	-	-

Appendix A. Groundwater Monitoring Program Tracking Summary
Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site

Sample Location Designation	Total Depth (ft bgs)	Well Screen Interval (ft bgs)	Q3 2022	Q4 2022	Q1 2023	Q2 2023
MW-79	20	5-20	-	-	-	-
MW-80	20	5-20	-	-	-	-
MW-81	20	5-20	-	-	-	-
MW-82	20	5-20	-	-	-	-
MW-83	20	5-20	X	-	-	X
MW-BS-01S	unknown		-	-	-	-
MW-BS-02S	15	5-15	-	-	-	-
MW-BS-02I	15.5	14.5-15.5	-	-	-	-
MW-BS-02D	25.5	24.5-25.5	-	-	-	-
OU3MW-01S	13	3-13	-	-	-	-
OU3MW-02S	13	3-13	-	-	-	-
OU3MW-02I	20	15-20	-	-	-	-
OU3MW-03S	11	1-11	-	-	-	-
OU3MW-03I	25	20-25	-	-	-	-
OU3MW-04S	11	1-11	-	-	-	-
OU3MW-04I	21	16-21	-	-	-	-
OU3MW-04D	31	26-31	-	-	-	-
OU3MW-04D2	36	31-36	-	-	-	-
OU3MW-04D3	46	41-46	-	-	-	-
OU3MW-05S	12	2-12	-	-	-	-
OU3MW-05I	20	15-20	-	-	-	-
OU3MW-06	13	3-13	-	-	-	-
OU3MW-07S	13	3-13	X	X	X	X
OU3MW-07I	20	15-20	X	X	X	X
OU3MW-07I2	25	20-25	X	X	X	X
OU3MW-07I3	30	25-30	X	X	X	X
OU3MW-07I4	40	30-35	X	X	X	X
OU3MW-08S	12	2-12	X	X	X	X
OU3MW-08I	30	25-30	-	-	-	-
OU3MW-09S	12	2-12	-	-	-	-
OU3MW-09I	30	25-30	X	X	X	X
OU3MW-09I2	40	35-40	-	-	-	-
OU3MW-10S	12	2-12	-	-	-	-
OU3MW-10I	30	25-30	X	X	X	X
OU3MW-11S	12	2-12	-	-	-	-
OU3MW-11I	30	25-30	-	-	-	-
OU3MW-12S	12	2-12	-	-	-	-
OU3MW-12I	30	25-30	-	-	-	-
OU3MW-13S	12	2-12	X	X	X	X
OU3MW-14S	12	2-12	-	-	-	-
OU3MW-15S	12	2-12	-	-	-	-
OU3MW-16S	12	2-12	X	X	X	X
OU3MW-17S	12	2-12	-	-	-	-
OU3MW-17I	20	15-20	-	-	-	-
OU3MW-17I2	30	25-30	-	-	-	-
OU3MW-18I	20	15-20	-	-	-	-

Appendix A. Groundwater Monitoring Program Tracking Summary
Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site

Sample Location Designation	Total Depth (ft bgs)	Well Screen Interval (ft bgs)	Q3 2022	Q4 2022	Q1 2023	Q2 2023
OU3MW-18I2	30	25-30	-	-	-	-
OU3MW-19S	12	2-12	X	X	X	X
OU3MW-19I	25	20-25	X	X	X	X
OU3MW-19I2	35	30-35	X	X	X	X
OU3MW-20S	12	2-12	X	X	X	X
OU3MW-20I	25	20-25	X	X	X	X
OU3MW-20I2	35	30-35	X	X	X	X
OU3MW-21S	12	2-12	-	-	-	-
OU3MW-21I	20	15-20	-	-	-	-
OU3MW-21I2	30	25-30	-	-	-	-
OU3MW-22I/IP-15A	15	10-15	-	-	-	-
OU3MW-22I2/IP-15B	30	25-30	-	-	-	-
OU3MW-23I/IP-17B	15	10-15	X	X	X	X
OU3MW-23I2/IP-17A	30	25-30	-	-	-	-
OU3MW-24I/IP-19A	15	10-15	-	-	-	-
OU3MW-24I2/IP-19B	30	25-30	X	X	X	X
IP-16A	15	14-15	-	X	X	X
IP-16B	30	29-30	-	-	-	-
IP-18A	15	14-15	-	-	-	-
IP-18B	30	29-30	-	-	-	-
IP-20A	15	14-15	-	-	-	X
IP-20B	30	29-30	X	X	X	X
PDMW-01	20	5-20	-	-	-	-
SV-02	12	2-12	-	-	-	-
SV-02I	27	22-27	-	-	-	-
SV-02I2	40	35-40	-	-	-	-
SV-03	12	2-12	-	-	-	-
			27	27	27	29
OU-4 Monitoring Wells						
WCMW-02S	13	3-13	-	-	-	-
WCMW-02I	43.5	34.5-43.5	-	-	-	-
WCMW-02D	72	62-72	-	-	-	-
WCMW-04S	11.6	1.6-11.6	-	-	-	-
WCMW-04I	24	19-24	-	X	X	X
WCMW-04I2	34.85	29.85-34.85	-	-	-	-
WCMW-05S	11.15	1.15-11.15	-	-	-	-
WCMW-05I	24.61	19.61-24.61	-	X	X	X
WCMW-05I2	34.96	29.46-34.96	-	-	-	X
WCMW-06S	12	2-12	-	-	-	-
WCMW-06I	24.55	19.55-24.55	-	-	-	-
WCMW-06I2	34.83	29.83-34.83	-	-	-	-
WCMW-07S	12.76	2.76-12.76	-	-	-	-
WCMW-07I	23.9	18.9-23.9	-	-	-	-
WCMW-07I2	33.95	28.95-33.95	-	-	-	-
WCMW-08S	19.2	4.2-19.2	-	-	-	-
WCMW-08I	24.2	19.2-24.2	-	-	-	-

Appendix A. Groundwater Monitoring Program Tracking Summary
Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
National Grid Bay Shore/Brightwaters Former MGP Site

Sample Location Designation	Total Depth (ft bgs)	Well Screen Interval (ft bgs)	Q3 2022	Q4 2022	Q1 2023	Q2 2023
WCMW-08I2	31.9	26.9-31.9	-	-	-	-
WCMW-10S	20	15-20	-	-	-	-
WCMW-10D	50	40-50	-	-	-	-
WCMW-11S	15	5-15	-	X	X	X
WCMW-11I	35	25-35	-	X	X	X
WCMW-11D	60	50-60	-	-	-	-
WCMW-12S	13	3-13	-	-	-	-
WCMW-12I	30	25-30	-	-	-	-
WCMW-12D	72	67-72	-	-	-	-
WCMW-13S	13	3-13	-	-	-	-
WCMW-13I	30	25-30	-	-	-	-
WCMW-13D	70	65-70	-	-	-	-
WCMW-14S	12	2-12	X	-	-	-
WCMW-14I	25	20-25	-	-	-	-
WCMW-14I2	35	30-35	-	-	-	-
WCMW-14D	72	67-72	-	-	-	-
WCMW-19S	12	2-12	-	-	-	-
WCMW-19I	25	20-25	-	-	-	-
WCMW-19I2	35	30-35	-	-	-	-
WCMW-22S	12	2-12	-	-	-	-
WCMW-22I	30	25-30	-	-	-	-
WCMW-23S	12	2-12	-	-	-	-
WCMW-23I	30	25-30	-	-	-	-
WCMW-25I	35	30-35	-	-	-	-
WCMW-25D	60	55-60	-	-	-	-
WCMW-26S	12	2-12	-	X	X	X
WCMW-26I	25	20-25	-	X	X	X
WCMW-26I2	35	30-35	-	-	-	-
WCMW-29S	25	2-12	-	X	X	X
WCMW-29I	25	20-25	-	X	X	X
WCMW-30S	12	2-12	-	-	-	-
WCMW-30I	25	20-25	X	X	X	X
WCMW-30I2	35	30-35	-	-	-	-
WCMW-31S	12	2-12	-	-	-	-
WCMW-31I	25	20-25	-	-	-	-
WCMW-31I2	35	30-35	-	-	-	-
WCMW-32S	12	2-12	X	-	-	-
TOTALS			3	9	9	10
			130	**119**	**120**	**158**

Notes:
*: Monitoring well not sampled if NAPL is present
NAPL= Non-aqueous Phase Liquid

Appendix B

OU-1 Oxygen Injection System Operational Data

Appendix B. OU-1 Oxygen Injection System Operational Data
Table B-1. OU-1 South Third Quarter 2022
National Grid Bay Shore/Brightwaters Former MGP Site

Weight of Oxygen Injected through Q2 2022 797,966 lbs

Oxygen to OU-1 Union Boulevard

	Operational Days	Oxygen Injected Per Month (lbs)
Month 1	Jul-22	25	3,558
Month 2	Aug-22	26	3,300
Month 3	Sep-22	27	4,378
Total Operational Days in Q3 2022		78
Total Oxygen in Q3 2022 (lbs)		11,236.08
Running Total for Oxygen to OU-1 Union Boulevard after Reconfiguration Through Q3 2022 (lbs)		**809,202.44**

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

System Operating Specs
Total of 8 injection banks
Oxygen is injected for 13 minutes during each injection cycle
Each Injection bank operates for 3 injection cycles per day
Each injection point injects oxygen for 39 min per day (13 min per cycle * 3 cycles)

Example
Bank 2 starts injection at 700AM
Bank 2 finishes injection at 713AM
System is recharging 713AM to 800AM
Bank 3 starts injection at 800AM
Bank 3 finishes injection at 813AM
System is recharging 813AM to 900AM
Bank 4 starts injection at 900AM
Bank 4 finishes injection at 913AM
System is recharging from 913AM to 1000AM
Bank 5 starts injection at 1000AM
Bank 5 finishes injection at 1013AM
System is recharging from 1013AM to 1100AM
Bank 6 starts injection at 1100AM
Bank 6 finishes injection at 1113AM
System is recharging from 1113AM to 1200PM
Bank 7 starts injection at 1200PM
Bank 7 finishes injection at 12113M
System is recharging from 1213PM to 100PM
Bank 8 starts injection at 100PM
Bank 8 finishes injection at 113PM
System is recharging from 113PM to 200PM
(Keep repeating cycle for course of day)

System Downtime **Days/Hours**

			7/25/2022						8/17/2022						9/9/2022					
		O_2%	82.9						76.7						85.8					
		R	10.73						10.73						10.73					
		Temp R (T)	641						652						622					
		Days	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 1	Point 51	15	27	25.650	16.673	0	14.7	0.030	28	26.600	17.290	0.0	14.7	0.029	28	26.600	17.290	0.0	14.7	0.033
	Point 52	25	27	31.874	20.718	8	22.7	0.057	29	34.235	22.253	8.0	22.7	0.057	28	33.055	21.486	8.0	22.7	0.063
	Point 53	15	27	25.650	16.673	0	14.7	0.030	29	27.550	17.908	0.0	14.7	0.030	33	39.806	25.874	9.0	23.7	0.079
	Point 54	25	27	31.874	20.718	8	22.7	0.057	30	35.416	23.020	8.0	22.7	0.059	30	34.627	22.508	7.0	21.7	0.063
	Point 55	15	27	28.146	18.295	3	17.7	0.039	31	32.316	21.005	3.0	17.7	0.042	29	29.364	19.087	2.0	16.7	0.041
	Point 56	25	29	34.981	22.738	9	23.7	0.065	30	35.416	23.020	8.0	22.7	0.059	28	33.055	21.486	8.0	22.7	0.063
	Point 57	15	22	21.599	14.039	1	15.7	0.027	27	28.146	18.295	3.0	17.7	0.036	29	29.364	19.087	2.0	16.7	0.041
	Point 58	25	28	34.130	22.184	9.5	24.2	0.065	30	35.416	23.020	8.0	22.7	0.059	30	35.416	23.020	8.0	22.7	0.067
	Total Oxygen Injected Per Day (lb)		**11.767**						**11.828**						**14.363**					
Injection Bank 2		Days	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
	Point 47	52	28	39.673	25.788	18.0	32.7	0.102	30	42.507	27.630	18.0	32.7	0.102	31	44.590	28.984	19.0	33.7	0.126
	Point 45	52	29	41.090	26.709	18.0	32.7	0.105	27	38.256	24.867	18.0	32.7	0.091	33	46.758	30.392	18.0	32.7	0.128
	Point 48	52	30	41.187	26.771	16.0	30.7	0.099	27	37.963	24.676	17.5	32.2	0.089	34	47.432	30.831	17.0	31.7	0.126
	Point 44	52	27	38.256	24.867	18.0	32.7	0.098	26	36.839	23.946	18.0	32.7	0.088	30	42.181	27.417	17.5	32.2	0.113
	Point 46	52	30	43.152	28.049	19.0	33.7	0.114	28	40.275	26.179	19.0	33.7	0.099	30	43.152	28.049	19.0	33.7	0.122
	Point 14A	62	35	53.248	34.611	23.0	37.7	0.157	29	44.120	28.678	23.0	37.7	0.122	33	50.205	32.633	23.0	37.7	0.158
	Point 12A	62	32	47.375	30.794	21.0	35.7	0.133	30	45.032	29.271	22.0	36.7	0.121	34	51.036	33.173	22.0	36.7	0.157
	Point 16A	62	32	48.034	31.222	22.0	36.7	0.138	25	38.034	24.722	23.0	37.7	0.105	33	50.205	32.633	23.0	37.7	0.158
	Total Oxygen Injected Per Day (lb)		**30.265**						**26.148**						**34.779**					
Injection Bank 3		Days	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
	Point 1	41	29	44.701	29.056	24.0	38.7	0.136	25	32.895	21.382	13.5	28.2	0.068	35	45.643	29.668	13.0	27.7	0.106
	Point 4	26	25	27.494	17.871	5.0	19.7	0.042	22	24.195	15.727	5.0	19.7	0.035	40	42.859	27.859	4.0	18.7	0.067
	Point 5	41	28	35.849	23.302	12.0	26.7	0.075	20	26.316	17.105	13.5	28.2	0.054	40	51.213	33.288	12.0	26.7	0.114
	Point 8	26	25	28.183	18.319	6.0	20.7	0.046	20	22.547	14.655	6.0	20.7	0.034	32	36.074	23.448	6.0	20.7	0.062
	Point 9	41	28	36.183	23.519	12.5	27.2	0.077	24	31.298	20.344	13.0	27.7	0.063	34	44.339	28.820	13.0	27.7	0.103
	Point 12	26	25	28.183	18.319	6.0	20.7	0.046	24	26.727	17.373	5.5	20.2	0.039	33	36.750	23.887	5.5	20.2	0.062
	Point 13	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 16	25	27	31.164	20.257	7.0	21.7	0.053	23	26.547	17.256	7.0	21.7	0.042	32	36.936	24.008	7.0	21.7	0.067
	Total Oxygen Injected Per Day (lb)		**15.183**						**10.754**						**18.589**					
Injection Bank 4		Days	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
	Point 2	26	30	33.820	21.983	6.0	20.7	0.055	29	33.085	21.505	6.5	21.2	0.051	30	33.820	21.983	6.0	20.7	0.058
	Point 3	41	27	34.569	22.470	12.0	26.7	0.072	30	38.048	24.731	11.5	26.2	0.073	31	39.317	25.556	11.5	26.2	0.086
	Point 6	26	28	35.849	23.302	12.0	26.7	0.075	29	37.129	24.134	12.0	26.7	0.072	30	38.410	24.966	12.0	26.7	0.086
	Point 7	41	28	32.689	21.248	7.5	22.2	0.057	29	33.473	21.757	7.0	21.7	0.053	28	32.319	21.007	7.0	21.7	0.059
	Point 10	26	29	34.235	22.253	8.0	22.7	0.061	30	35.024	22.765	7.5	22.2	0.057	30	35.024	22.765	7.5	22.2	0.065
	Point 11	41	30	39.822	25.885	14.0	28.7	0.090	29	38.495	25.022	14.0	28.7	0.081	30	39.822	25.885	14.0	28.7	0.096
	Point 14	26	29	37.475	24.359	12.5	27.2	0.080	29	33.473	21.757	7.0	21.7	0.053	28	32.319	21.007	7.0	21.7	0.059
	Point 15	41	30	40.168	26.109	14.5	29.2	0.092	29	38.495	25.022	14.0	28.7	0.081	29	38.495	25.022	14.0	28.7	0.092
	Total Oxygen Injected Per Day (lb)		**18.598**						**16.682**						**19.209**					
Injection Bank 5		Days	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
	Point 17	62	33	50.205	32.633	23.0	37.7	0.148	41	62.376	40.545	23.0	37.7	0.172	37	56.291	36.589	23.0	37.7	0.177
	Point 18	41	23	28.691	18.779	11.0	25.7	0.058	30	38.048	24.731	11.5	26.2	0.073	34	42.708	27.760	11.0	25.7	0.092
	Point 19	26	35	39.930	25.955	6.5	21.2	0.066	23	29.170	18.961	11.5	26.2	0.056	24	27.056	17.586	6.0	20.7	0.047
	Point 22	22	26	29.311	19.052	6.0	20.7	0.048	26	32.659	21.228	11.0	25.7	0.061	30	32.993	21.445	5.0	19.7	0.054
	Point 24	37	27	34.569	22.470	12.0	26.7	0.072	26	32.659	21.228	11.0	25.7	0.061	32	40.970	26.631	12.0	26.7	0.091
	Point 25	22	27	30.068	19.544	5.5	20.2	0.048	24	26.394	17.156	5.0	19.7	0.038	30	32.993	21.445	5.0	19.7	0.054
	Point 59	15	29	31.073	20.197	4.0	18.7	0.046	26	28.229	18.349	4.5	19.2	0.040	31	33.216	21.590	4.0	18.7	0.052
	Point 49	62	33	49.535	32.198	22.0	36.7	0.142	39	58.541	38.052	22.0	36.7	0.157	37	55.160	35.854	21.5	36.2	0.167
	Total Oxygen Injected Per Day (lb)		**20.101**						**21.063**						**23.509**					
Injection Bank 6		Days	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
	Point 20	61	34	51.036	33.173	22.0	36.7	0.147	29	43.531	28.295	22.0	36.7	0.117	32	48.034	31.222	22.0	36.7	0.147
	Point 26	57	33	49.535	32.198	22.0	36.7	0.142	26	37.949	24.667	20.0	34.7	0.096	33	48.166	31.308	20.0	34.7	0.140
	Point 27	37	27	33.584	21.829	10.5	25.2	0.066	24	30.147	19.595	11.0	25.7	0.057	30	37.684	24.494	11.0	25.7	0.081
	Point 28	22	30	33.409	21.716	5.5	20.2	0.063	25	27.841	18.096	5.5	20.2	0.041	32	35.192	22.875	5.0	19.7	0.058
	Point 30	22	29	32.295	20.992	5.5	20.2	0.051	22	24.500	15.925	5.5	20.2	0.036	32	35.192	22.875	5.0	19.7	0.058
	Point 32	22	30	32.993	21.445	5.0	19.7	0.051	24	26.394	17.156	5.0	19.7	0.038	36	39.591	25.734	5.0	19.7	0.065
	Point 60	15	29	29.364	19.087	2.0	16.7	0.038	23	23.976	15.584	3.0	17.7	0.031	33	34.401	22.360	3.0	17.7	0.051
	Point 50	62	25	38.034	24.722	23.0	37.7	0.112	32	48.360	31.434	22.5	37.2	0.132	35	52.894	34.381	22.5	37.2	0.164
	Total Oxygen Injected Per Day (lb)		**21.156**						**17.525**						**24.456**					
Injection Bank 7		Days	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
	Point 21	37	37	46.926	30.502	11.5	26.2	0.096	39	48.989	31.843	11.0	25.7	0.092	35	44.390	28.853	11.5	26.2	0.097
	Point 31	22	27	29.694	19.301	5.0	19.7	0.046	26	28.594	18.586	5.0	19.7	0.041	32	35.192	22.875	5.0	19.7	0.058
	Point 33	22	26	29.311	19.052	6.0	20.7	0.048	23	25.929	16.854	6.0	20.7	0.039	30	33.820	21.983	6.0	20.7	0.058
	Point 34	22	26	28.954	18.820	5.5	20.2	0.046	28	31.182	20.268	5.5	20.2	0.046	14	15.397	10.009	5.0	19.7	0.025
	Point 35	22	24	26.727	17.373	5.5	20.2	0.042	24	26.727	17.373	5.5	20.2	0.039	28	30.793	20.016	5.0	19.7	0.051
	Point 36	22	28	30.793	20.016	5.0	19.7	0.048	24	27.056	17.586	6.0	20.7	0.041	27	29.694	19.301	5.0	19.7	0.049
	Point 36A	62	30	45.641	29.667	23.0	37.7	0.135	30	45.641	29.667	23.0	37.7	0.126	28	42.598	27.689	23.0	37.7	0.134
	Point 36B	41	26	34.513	22.433	14.0	28.7	0.078	30	39.822	25.885	14.0	28.7	0.084	29	38.495	25.022	14.0	28.7	0.092
	Total Oxygen Injected Per Day (lb)		**17.208**						**16.268**						**18.082**					
Injection Bank 8		Days	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
	Point 23	57	32	47.706	31.009	21.5	36.2	0.135	30	44.414	28.869	21.0	35.7	0.116	32	47.375	30.794	21.0	35.7	0.141
	Point 29	34	27	33.584	21.829	10.5	25.2	0.066	30	36.943	24.013	10.0	24.7	0.067	28	34.828	22.638	10.5	25.2	0.073
	Point 37	22	27	30.438	19.785	6.0	20.7	0.049	28	31.565	20.517	6.0	20.7	0.048	32	36.074	23.448	6.0	20.7	0.062
	Point 37A	62	35	51.816	33.681	21.0	35.7	0.145	30	46.243	30.058	24.0	38.7	0.131	38	58.951	38.318	24.5	39.2	0.193
	Point 37B	41	30	39.822	25.885	14.0	28.7	0.090	30	39.822	25.885	14.0	28.7	0.084	31	41.150	26.747	14.0	28.7	0.099
	Point 38	22	26	29.311	19.052	6.0	20.7	0.048	28	31.565	20.517	6.0	20.7	0.048	30	33.820	21.983	6.0	20.7	0.058
	Point 61	17	26	28.594	18.586	5.0	19.7	0.044	28	30.793	20.016	5.0	19.7	0.044	28	30.793	20.016	5.0	19.7	0.051
	Point 63	13	27	28.930	18.805	4.0	18.7	0.042	30	31.273	20.328	3.0	17.7	0.040	34	36.430	23.680	4.0	18.7	0.057
	Total Oxygen Injected Per Day (lb)		**19.823**						**18.479**						**23.519**					
	System Total Per Day (lb)		**142.33**						**126.92**						**162.14**					

Weight of Oxygen Injected through Q3 2022 809,202 lbs

Oxygen to OU-1 Union Boulevard

	Operational Days		Oxygen Injected Per Month (lbs)
Month 1	Oct-22	31	7,823
Month 2	Nov-22	30	6,720
Month 3	Dec-22	31	6,088
Total Operational Days in Q4 2022			92
Total Oxygen in Q4 2022 (lbs)			20,630.60
Running Total for Oxygen to OU-1 Union Boulevard after Reconfiguration Through Q4 2022 (lbs)			**829,833.04**

Notes:

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

System Operating Specs

Total of 8 injection banks
Oxygen is injected for 13 minutes during each injection cycle
Each Injection bank operates for 3 injection cycles per day
Each injection point injects oxygen for 39 min per day (13 min per cycle * 3 cycles)

Example

Bank 2 starts injection at 700AM
Bank 2 finishes injection at 713AM
System is recharging 713AM to 800AM
Bank 3 starts injection at 800AM
Bank 3 finishes injection at 813AM
System is recharging 813AM to 900AM
Bank 4 starts injection at 900AM
Bank 4 finishes injection at 913AM
System is recharging from 913AM to 1000AM
Bank 5 starts injection at 1000AM
Bank 5 finishes injection at 1013AM
System is recharging from 1013AM to 1100AM
Bank 6 starts injection at 1100AM
Bank 6 finishes injection at 1113AM
System is recharging from 1113AM to 1200PM
Bank 7 starts injection at 1200PM
Bank 7 finishes injection at 12113M
System is recharging from 1213PM to 100PM
Bank 8 starts injection at 100PM
Bank 8 finishes injection at 113PM
System is recharging from 113PM to 200PM
(Keep repeating cycle for course of day)

System Downtime **Days/Hours**

		10/20/2022						11/16/2022						12/20/2022					
	O_2%	97.3						88.1						84.2					
	R	10.73						10.73						10.73					
	Temp R (T)	622						623						622					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O
Injection Bank 1	Point 51	15	20	19.000	12.350	0.0	14.7	0.026	25	24.151	15.698	0.5	15.2	0.031	100	101.257	65.817	2.0	16.7	0.139
	Point 52	25	24	28.333	18.416	8.0	22.7	0.061	20	24.125	15.681	9.0	23.7	0.049	82	100.978	65.636	10.0	24.7	0.205
	Point 53	15	24	22.800	14.820	0.0	14.7	0.032	24	22.800	14.820	0.0	14.7	0.029	40	38.641	25.117	0.5	15.2	0.048
	Point 54	25	24	28.333	18.416	8.0	22.7	0.061	24	28.643	18.618	8.5	23.2	0.057	44	53.075	34.499	9.0	23.7	0.103
	Point 55	15	22	22.934	14.907	3.0	17.7	0.038	22	22.607	14.695	2.5	17.2	0.033	74	79.290	51.538	4.0	18.7	0.122
	Point 56	25	24	28.333	18.416	8.0	22.7	0.061	30	36.188	23.522	9.0	23.7	0.073	50	60.313	39.203	9.0	23.7	0.117
	Point 57	15	20	20.251	13.163	2.0	16.7	0.032	28	29.188	18.972	3.0	17.7	0.044	100	107.148	69.646	4.0	18.7	0.164
	Point 58	25	26	30.694	19.951	8.0	22.7	0.066	26	29.662	19.281	6.5	21.2	0.054	0	0.000	0.000	9.0	23.7	0.000
	Total Oxygen Injected Per Day (lb)		**12.083**						**11.871**						**28.724**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O
Injection Bank 2	Point 47	52	28	40.275	26.179	19.0	33.7	0.129	48	69.043	44.878	19.0	33.7	0.199	46	66.166	43.008	19.0	33.7	0.183
	Point 45	52	28	40.275	26.179	19.0	33.7	0.129	48	69.043	44.878	19.0	33.7	0.199	34	48.906	31.789	19.0	33.7	0.135
	Point 48	52	28	39.062	25.390	17.0	31.7	0.117	48	66.963	43.526	17.0	31.7	0.182	44	61.383	39.899	17.0	31.7	0.160
	Point 44	52	24	32.949	21.417	16.0	30.7	0.096	49	69.428	45.128	18.0	32.7	0.194	44	63.290	41.138	19.0	33.7	0.175
	Point 46	52	24	34.522	22.439	19.0	33.7	0.110	49	71.003	46.152	19.5	34.2	0.208	50	72.452	47.094	19.5	34.2	0.203
	Point 14A	62	30	45.641	29.667	23.0	37.7	0.163	50	76.571	49.771	23.5	38.2	0.251	50	77.071	50.096	24.0	38.7	0.245
	Point 12A	62	30	45.641	29.667	23.0	37.7	0.163	50	76.069	49.445	23.0	37.7	0.246	50	76.069	49.445	23.0	37.7	0.235
	Point 16A	62	30	46.836	30.444	25.0	39.7	0.176	50	77.567	50.419	24.5	39.2	0.260	38	59.326	38.562	25.0	39.7	0.193
	Total Oxygen Injected Per Day (lb)		**34.656**						**55.670**						**48.914**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O
Injection Bank 3	Point 1	41	52	80.154	52.100	24.0	38.7	0.294	34	45.132	29.336	14.0	28.7	0.111	30	39.822	25.885	14.0	28.7	0.094
	Point 4	26	60	65.986	42.891	5.0	19.7	0.123	42	46.772	30.402	5.5	20.2	0.081	24	27.056	17.586	6.0	20.7	0.046
	Point 5	41	60	76.820	49.933	12.0	26.7	0.194	42	54.771	35.601	13.0	27.7	0.130	30	39.122	25.430	13.0	27.7	0.089
	Point 8	26	50	56.366	36.638	6.0	20.7	0.111	40	45.634	29.662	6.5	21.2	0.083	32	36.074	23.448	6.0	20.7	0.061
	Point 9	41	56	72.366	47.038	12.5	27.2	0.187	40	51.213	33.288	12.0	26.7	0.117	30	38.410	24.966	12.0	26.7	0.084
	Point 12	26	48	54.112	35.173	6.0	20.7	0.106	40	45.093	29.311	6.0	20.7	0.080	40	45.093	29.311	6.0	20.7	0.077
	Point 13	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 16	25	44	50.786	33.011	7.0	21.7	0.104	30	35.416	23.020	8.0	22.7	0.069	30	35.416	23.020	8.0	22.7	0.066
	Total Oxygen Injected Per Day (lb)		**35.813**						**21.463**						**16.522**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O
Injection Bank 4	Point 2	26	30	34.627	22.508	7.0	21.7	0.071	35	40.398	26.259	7.0	21.7	0.075	32	36.936	24.008	7.0	21.7	0.066
	Point 3	41	46	57.782	37.558	11.0	25.7	0.141	37	47.372	30.792	12.0	26.7	0.108	30	38.410	24.966	12.0	26.7	0.084
	Point 6	26	48	61.456	39.946	12.0	26.7	0.155	40	51.213	33.288	12.0	26.7	0.117	34	43.531	28.295	12.0	26.7	0.095
	Point 7	41	50	59.027	38.367	8.0	22.7	0.127	38	44.363	28.836	7.5	22.2	0.084	32	37.359	24.283	7.5	22.2	0.068
	Point 10	26	42	49.582	32.229	8.0	22.7	0.107	38	44.860	29.159	8.0	22.7	0.087	40	47.739	31.030	8.5	23.2	0.091
	Point 11	41	42	57.661	37.480	16.0	30.7	0.168	36	47.787	31.061	14.0	28.7	0.117	40	53.096	34.513	14.0	28.7	0.125
	Point 14	26	30	35.416	23.020	8.0	22.7	0.076	28	33.055	21.488	8.0	22.7	0.064	36	42.499	27.624	8.0	22.7	0.079
	Point 15	41	32	43.211	28.087	15.0	29.7	0.122	31	41.507	26.979	14.5	29.2	0.104	36	48.612	31.598	15.0	29.7	0.118
	Total Oxygen Injected Per Day (lb)		**30.931**						**24.249**						**23.246**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O
Injection Bank 5	Point 17	62	58	88.240	57.356	23.0	37.7	0.315	46	69.983	45.489	23.0	37.7	0.226	50	76.069	49.445	23.0	37.7	0.235
	Point 18	41	56	71.699	46.604	12.0	26.7	0.181	32	40.970	26.631	12.0	26.7	0.094	34	43.531	28.295	12.0	26.7	0.095
	Point 19	26	50	57.712	37.513	7.0	21.7	0.119	44	50.786	33.011	7.0	21.7	0.094	44	50.786	33.011	7.0	21.7	0.090
	Point 22	22	46	51.857	33.707	6.0	20.7	0.102	40	45.093	29.311	6.0	20.7	0.080	40	45.093	29.311	6.0	20.7	0.077
	Point 24	37	52	66.577	43.275	12.0	26.7	0.168	34	43.531	28.295	12.0	26.7	0.100	36	46.521	30.239	12.5	27.2	0.104
	Point 25	22	50	56.366	36.638	6.0	20.7	0.111	27	30.438	19.785	6.0	20.7	0.054	30	33.820	21.983	6.0	20.7	0.057
	Point 59	15	48	51.431	33.430	4.0	18.7	0.091	41	43.931	28.555	4.0	18.7	0.070	36	38.573	25.073	4.0	18.7	0.059
	Point 49	62	54	81.057	52.687	22.0	36.7	0.282	36	54.038	35.125	22.0	36.7	0.170	40	60.042	39.028	22.0	36.7	0.181
	Total Oxygen Injected Per Day (lb)		**43.811**						**28.413**						**28.750**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O
Injection Bank 6	Point 20	61	50	76.069	49.445	23.0	37.7	0.272	37	55.916	36.346	22.5	37.2	0.178	32	48.360	31.434	22.5	37.2	0.148
	Point 26	57	50	74.023	48.115	21.0	35.7	0.250	42	62.180	40.417	21.0	35.7	0.190	46	68.102	44.266	21.0	35.7	0.199
	Point 27	37	48	60.294	39.191	11.0	25.7	0.147	40	50.245	32.659	11.0	25.7	0.111	40	50.245	32.659	11.0	25.7	0.106
	Point 28	22	46	51.857	33.707	6.0	20.7	0.102	34	38.329	24.914	6.0	20.7	0.068	34	38.329	24.914	6.0	20.7	0.065
	Point 30	22	42	46.772	30.402	5.5	20.2	0.090	38	42.838	27.845	6.0	20.7	0.076	34	38.329	24.914	6.0	20.7	0.065
	Point 32	22	40	43.429	28.229	4.5	19.2	0.079	28	30.793	20.016	5.0	19.7	0.052	30	32.993	21.445	5.0	19.7	0.053
	Point 60	15	46	47.952	31.169	3.0	17.7	0.080	47	47.591	30.934	2.0	16.7	0.068	42	44.397	28.858	3.5	18.2	0.066
	Point 50	62	52	79.111	51.422	23.0	37.7	0.283	51	78.612	51.098	24.0	38.7	0.261	52	79.634	51.762	23.5	38.2	0.249
	Total Oxygen Injected Per Day (lb)		**41.675**						**32.114**						**30.462**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O
Injection Bank 7	Point 21	37	62	77.118	50.127	10.5	25.2	0.184	42	53.774	34.953	12.0	26.7	0.123	52	49.400	32.110	0.0	14.7	0.060
	Point 31	22	50	54.988	35.742	5.0	19.7	0.103	26	28.594	18.586	5.0	19.7	0.048	30	33.820	21.983	6.0	20.7	0.057
	Point 33	22	50	56.366	36.638	6.0	20.7	0.111	34	38.329	24.914	6.0	20.7	0.068	30	33.820	21.983	6.0	20.7	0.057
	Point 34	22	48	52.788	34.313	5.0	19.7	0.099	43	47.290	30.738	5.0	19.7	0.080	36	40.091	26.059	5.5	20.2	0.066
	Point 35	22	58	63.786	41.461	5.0	19.7	0.119	43	48.475	31.509	6.0	20.7	0.086	40	44.545	28.954	5.5	20.2	0.074
	Point 36	22	54	59.387	38.602	5.0	19.7	0.111	52	58.621	38.104	6.0	20.7	0.104	54	60.876	39.569	6.0	20.7	0.103
	Point 36A	62	50	76.069	49.445	23.0	37.7	0.272	40	57.108	37.120	18.5	33.2	0.162	40	60.855	39.556	23.0	37.7	0.188
	Point 36B	41	50	66.371	43.141	14.0	28.7	0.181	39	52.663	34.231	15.0	29.7	0.134	42	55.751	36.238	14.0	28.7	0.131
	Total Oxygen Injected Per Day (lb)		**37.700**						**25.771**						**23.592**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O
Injection Bank 8	Point 23	57	40	58.803	38.222	20.5	35.2	0.196	48	71.558	46.513	21.5	36.2	0.222	40	58.383	37.949	20.0	34.7	0.166
	Point 29	34	28	34.480	22.412	10.0	24.7	0.081	45	56.525	36.742	11.0	25.7	0.124	40	50.245	32.659	11.0	25.7	0.106
	Point 37	22	30	33.409	21.716	5.5	20.2	0.064	50	57.712	37.513	7.0	21.7	0.107	30	34.226	22.247	6.5	21.2	0.060
	Point 37A	62	42	63.898	41.533	23.0	37.7	0.228	49	75.529	49.094	24.0	38.7	0.250	40	53.557	34.812	14.5	29.2	0.128
	Point 37B	41	36	47.787	31.061	14.0	28.7	0.130	52	62.725	40.771	9.0	23.7	0.127	40	52.163	33.906	13.0	27.7	0.118
	Point 38	22	28	31.565	20.517	6.0	20.7	0.062	53	59.748	38.836	6.0	20.7	0.106	40	45.093	29.311	6.0	20.7	0.077
	Point 61	17	28	30.793	20.016	5.0	19.7	0.057	58	64.590	41.984	5.5	20.2	0.112	40	44.545	28.954	5.5	20.2	0.074
	Point 63	13	26	27.859	18.108	4.0	18.7	0.049	48	52.114	33.874	4.5	19.2	0.086	30	32.145	20.894	4.0	18.7	0.049
	Total Oxygen Injected Per Day (lb)		**27.770**						**36.314**						**24.892**					
	System Total Per Day (lb)		**252.36**						**223.99**						**196.38**					

Appendix B. OU-1 Oxygen Injection System Operational Data
Table B-1. OU-1 South First Quarter 2023
National Grid Bay Shore/Brightwaters Former MGP Site

Weight of Oxygen Injected through Q4 2022 829,833 lbs

Oxygen to OU-1 Union Boulevard

	Operational Days		Oxygen Injected Per Month (lbs)
Month 1	Jan-23	31	4,961
Month 2	Feb-23	28	6,197
Month 3	Mar-23	31	4,240
Total Operational Days in Q1 2023			90
Total Oxygen in Q1 2023 (lbs)			15,397.85
Running Total for Oxygen to OU-1 Union Boulevard after Reconfiguration Through Q1 2023 (lbs)			**845,230.89**

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

System Operating Specs
Total of 8 injection banks
Oxygen is injected for 13 minutes during each injection cycle
Each Injection bank operates for 3 injection cycles per day
Each injection point injects oxygen for 39 min per day (13 min per cycle * 3 cycles)

Example
Bank 2 starts injection at 700AM
Bank 2 finishes injection at 713AM
System is recharging 713AM to 800AM
Bank 3 starts injection at 800AM
Bank 3 finishes injection at 813AM
System is recharging 813AM to 900AM
Bank 4 starts injection at 900AM
Bank 4 finishes injection at 913AM
System is recharging from 913AM to 1000AM
Bank 5 starts injection at 1000AM
Bank 5 finishes injection at 1013AM
System is recharging from 1013AM to 1100AM
Bank 6 starts injection at 1100AM
Bank 6 finishes injection at 1113AM
System is recharging from 1113AM to 1200PM
Bank 7 starts injection at 1200PM
Bank 7 finishes injection at 12113M
System is recharging from 1213PM to 100PM
Bank 8 starts injection at 100PM
Bank 8 finishes injection at 113PM
System is recharging from 113PM to 200PM
(Keep repeating cycle for course of day)

System Downtime **Days/Hours**

		1/17/2023						2/21/2023						3/21/2023					
	O_2%	77.9						91.2						73.5					
	R	10.73						10.73						10.73					
	Temp R (T)	595						620						611					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lbPV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lbPV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lbPV/RT lbs O2
Injection Bank 1	Point 51	15	60	58.907	38.289	1.0	15.7	0.073	36	34.200	22.230	0.0	14.7	0.045	27	26.508	17.230	1.0	15.7	0.030
	Point 52	25	35	41.319	26.857	8.0	22.7	0.074	34	41.013	26.658	9.0	23.7	0.087	27	32.569	21.170	9.0	23.7	0.056
	Point 53	15	35	33.250	21.613	0.0	14.7	0.039	40	38.000	24.700	0.0	14.7	0.050	26	25.526	16.592	1.0	15.7	0.029
	Point 54	25	33	38.958	25.322	8.0	22.7	0.070	35	42.219	27.442	9.0	23.7	0.089	26	31.363	20.386	9.0	23.7	0.054
	Point 55	15	33	34.401	22.360	3.0	17.7	0.048	36	37.528	24.393	3.0	17.7	0.059	26	26.327	17.112	2.0	16.7	0.032
	Point 56	25	44	52.512	34.133	8.5	23.2	0.097	40	48.250	31.363	9.0	23.7	0.102	27	32.569	21.170	9.0	23.7	0.056
	Point 57	15	31	32.316	21.005	3.0	17.7	0.045	46	47.952	31.169	3.0	17.7	0.076	22	22.276	14.480	2.0	16.7	0.027
	Point 58	25	0	0.000	0.000	8.0	22.7	0.000	23	27.744	18.034	9.0	23.7	0.059	21	25.331	16.465	9.0	23.7	0.044
	Total Oxygen Injected Per Day (lb)		**14.302**						**18.101**						**10.531**					
Injection Bank 2	Point 47	52	44	62.818	40.832	18.5	33.2	0.165	45	63.760	41.444	18.0	32.7	0.186	36	51.782	33.659	19.0	33.7	0.127
	Point 45	52	34	48.906	31.789	19.0	33.7	0.131	38	54.659	35.528	19.0	33.7	0.164	31	44.590	28.984	19.0	33.7	0.110
	Point 48	52	38	53.012	34.458	17.0	31.7	0.133	37	51.617	33.551	17.0	31.7	0.146	31	43.247	28.111	17.0	31.7	0.100
	Point 44	52	33	46.758	30.392	18.0	32.7	0.121	37	52.425	34.076	18.0	32.7	0.153	30	42.831	27.840	18.5	33.2	0.104
	Point 46	52	32	46.029	29.919	19.0	33.7	0.123	32	46.029	29.919	19.0	33.7	0.138	30	43.471	28.256	19.5	34.2	0.108
	Point 14A	62	34	51.727	33.622	23.0	37.7	0.155	36	54.769	35.600	23.0	37.7	0.184	32	49.006	31.854	23.5	38.2	0.136
	Point 12A	62	37	56.291	36.589	23.0	37.7	0.168	38	57.812	37.578	23.0	37.7	0.194	30	44.724	29.071	21.5	36.2	0.118
	Point 16A	62	30	46.243	30.058	24.0	38.7	0.142	38	58.574	38.073	24.0	38.7	0.202	30	46.540	30.251	24.5	39.2	0.133
	Total Oxygen Injected Per Day (lb)		**36.435**						**43.741**						**29.948**					
Injection Bank 3	Point 1	41	30	39.822	25.885	14.0	28.7	0.091	40	53.096	34.513	14.0	28.7	0.136	30	40.168	26.109	14.5	29.2	0.085
	Point 4	26	66	73.500	47.775	5.5	20.2	0.118	30	32.993	21.445	5.0	19.7	0.058	26	28.594	18.586	5.0	19.7	0.041
	Point 5	41	36	46.947	30.516	13.0	27.7	0.103	36	46.947	30.516	13.0	27.7	0.116	30	39.474	25.658	13.5	28.2	0.081
	Point 8	26	33	37.648	24.471	6.5	21.2	0.063	42	48.478	31.511	7.0	21.7	0.094	30	34.226	22.247	6.5	21.2	0.053
	Point 9	41	36	46.947	30.516	13.0	27.7	0.103	40	52.163	33.906	13.0	27.7	0.129	25	32.602	21.191	13.0	27.7	0.066
	Point 12	26	35	39.456	25.647	6.0	20.7	0.065	50	54.988	35.742	5.0	19.7	0.097	28	31.565	20.517	6.0	20.7	0.048
	Point 13	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 16	25	29	33.856	22.007	7.5	22.2	0.060	40	47.221	30.694	8.0	22.7	0.096	31	36.597	23.788	8.0	22.7	0.061
	Total Oxygen Injected Per Day (lb)		**19.276**						**23.172**						**13.903**					
Injection Bank 4	Point 2	26	31	35.367	22.988	6.5	21.2	0.059	40	45.093	29.311	6.0	20.7	0.083	22	24.801	16.121	6.0	20.7	0.037
	Point 3	41	30	38.410	24.966	12.0	26.7	0.081	40	51.213	33.288	12.0	26.7	0.122	24	30.439	19.785	11.5	26.2	0.058
	Point 6	26	31	40.427	26.277	13.0	27.7	0.089	44	56.334	36.617	12.0	26.7	0.134	28	36.514	23.734	13.0	27.7	0.074
	Point 7	41	30	35.416	23.020	8.0	22.7	0.064	36	42.499	27.624	8.0	22.7	0.086	26	30.694	19.951	8.0	22.7	0.051
	Point 10	26	32	37.777	24.555	8.0	22.7	0.068	40	47.221	30.694	8.0	22.7	0.096	25	29.513	19.184	8.0	22.7	0.049
	Point 11	41	32	42.477	27.610	14.0	28.7	0.097	36	47.787	31.061	14.0	28.7	0.122	28	37.490	24.368	14.5	29.2	0.080
	Point 14	26	30	35.416	23.020	8.0	22.7	0.064	31	55.761	36.245	38.0	52.7	0.262	27	31.874	20.718	8.0	22.7	0.053
	Point 15	41	35	46.862	30.461	14.5	29.2	0.109	32	42.477	27.610	14.0	28.7	0.109	30	40.850	26.552	15.5	30.2	0.090
	Total Oxygen Injected Per Day (lb)		**20.172**						**32.423**						**15.719**					
Injection Bank 5	Point 17	62	32	48.684	31.645	23.0	37.7	0.146	41	62.376	40.545	23.0	37.7	0.210	32	49.006	31.854	23.5	38.2	0.136
	Point 18	41	30	38.048	24.731	11.5	26.2	0.079	34	42.708	27.760	11.0	25.7	0.098	28	35.512	23.083	11.5	26.2	0.068
	Point 19	26	44	50.786	33.011	7.0	21.7	0.087	41	46.775	30.404	6.5	21.2	0.088	30	34.627	22.508	7.0	21.7	0.055
	Point 22	22	34	38.329	24.914	6.0	20.7	0.063	37	41.711	27.112	6.0	20.7	0.077	37	41.711	27.112	6.0	20.7	0.063
	Point 24	37	30	38.410	24.966	12.0	26.7	0.081	30	38.410	24.966	12.0	26.7	0.091	30	38.410	24.966	12.0	26.7	0.075
	Point 25	22	29	32.295	20.992	5.5	20.2	0.052	35	38.977	25.335	5.5	20.2	0.070	25	28.183	18.319	6.0	20.7	0.043
	Point 59	15	34	36.430	23.680	4.0	18.7	0.054	40	42.859	27.859	4.0	18.7	0.071	26	28.229	18.349	4.5	19.2	0.039
	Point 49	62	32	48.034	31.222	22.0	36.7	0.140	44	66.047	42.930	22.0	36.7	0.216	30	45.032	29.271	22.0	36.7	0.120
	Total Oxygen Injected Per Day (lb)		**22.460**						**29.491**						**19.170**					
Injection Bank 6	Point 20	61	33	49.871	32.416	22.5	37.2	0.147	42	63.898	41.533	23.0	37.7	0.215	28	40.868	26.564	20.0	34.7	0.103
	Point 26	57	39	57.738	37.530	21.0	35.7	0.163	48	71.062	46.191	21.0	35.7	0.226	36	54.769	35.600	23.0	37.7	0.150
	Point 27	37	35	43.964	28.577	11.0	25.7	0.090	40	49.754	32.340	10.5	25.2	0.112	28	35.171	22.861	11.0	25.7	0.066
	Point 28	22	32	36.074	23.448	6.0	20.7	0.059	33	36.292	23.590	5.0	19.7	0.064	27	30.438	19.785	6.0	20.7	0.046
	Point 30	22	37	41.204	26.783	5.5	20.2	0.066	38	42.318	27.507	5.5	20.2	0.076	27	30.438	19.785	6.0	20.7	0.046
	Point 32	22	32	35.192	22.875	5.0	19.7	0.055	36	38.573	25.073	4.0	18.7	0.064	26	28.594	18.586	5.0	19.7	0.041
	Point 60	15	37	39.111	25.422	3.5	18.2	0.056	41	43.340	28.171	3.5	18.2	0.070	26	27.494	17.864	3.5	18.2	0.036
	Point 50	62	38	57.812	37.578	23.0	37.7	0.173	50	76.571	49.771	23.5	38.2	0.261	50	77.071	50.096	24.0	38.7	0.217
	Total Oxygen Injected Per Day (lb)		**25.913**						**34.801**						**22.603**					
Injection Bank 7	Point 21	37	26	32.975	21.434	11.5	26.2	0.069	38	47.733	31.026	11.0	25.7	0.109	46	57.782	37.558	11.0	25.7	0.108
	Point 31	22	30	33.409	21.716	5.5	20.2	0.054	33	36.750	23.887	5.5	20.2	0.066	29	32.692	21.250	6.0	20.7	0.049
	Point 33	22	32	36.074	23.448	6.0	20.7	0.059	36	40.584	26.379	6.0	20.7	0.075	29	32.692	21.250	6.0	20.7	0.049
	Point 34	22	31	34.523	22.440	5.5	20.2	0.055	45	50.730	32.974	6.0	20.7	0.094	26	29.311	19.052	6.0	20.7	0.044
	Point 35	22	33	37.202	24.181	6.0	20.7	0.061	32	36.074	23.448	6.0	20.7	0.067	32	36.074	23.448	6.0	20.7	0.054
	Point 36	22	30	33.820	21.983	6.0	20.7	0.056	40	45.093	29.311	6.0	20.7	0.083	28	31.565	20.517	6.0	20.7	0.048
	Point 36A	62	28	42.880	27.872	23.5	38.2	0.130	40	60.855	39.556	23.0	37.7	0.204	32	48.684	31.645	23.0	37.7	0.134
	Point 36B	41	34	45.523	29.590	14.5	29.2	0.105	38	50.879	33.071	14.5	29.2	0.132	34	45.912	29.843	15.0	29.7	0.099
	Total Oxygen Injected Per Day (lb)		**18.833**						**26.574**						**18.758**					
Injection Bank 8	Point 23	57	24	35.779	23.256	21.5	36.2	0.103	34	51.036	33.173	22.0	36.7	0.167	29	43.531	28.295	22.0	36.7	0.116
	Point 29	34	25	31.403	20.412	11.0	25.7	0.064	41	51.501	33.476	11.0	25.7	0.118	23	28.891	18.779	11.0	25.7	0.054
	Point 37	22	27	31.164	20.257	7.0	21.7	0.054	40	46.169	30.010	7.0	21.7	0.089	22	25.393	16.506	7.0	21.7	0.040
	Point 37A	62	17	26.204	17.033	24.0	38.7	0.080	41	63.605	41.343	24.5	39.2	0.222	30	42.507	27.630	18.0	32.7	0.101
	Point 37B	41	24	31.858	20.708	14.0	28.7	0.073	36	47.787	31.061	14.0	28.7	0.122	30	40.168	26.109	14.5	29.2	0.085
	Point 38	22	30	33.820	21.983	6.0	20.7	0.056	46	51.857	33.707	6.0	20.7	0.096	30	33.820	21.983	6.0	20.7	0.051
	Point 61	17	27	30.068	19.544	5.5	20.2	0.048	36	40.091	26.059	5.5	20.2	0.072	30	33.409	21.716	5.5	20.2	0.049
	Point 63	13	33	35.359	22.983	4.0	18.7	0.052	48	51.431	33.430	4.0	18.7	0.086	15	16.496	10.723	5.0	19.7	0.024
	Total Oxygen Injected Per Day (lb)		**16.942**						**31.105**						**16.682**					
	System Total Per Day (lb)		**160.03**						**221.31**						**136.78**					

Appendix B. OU-1 Oxygen Injection System Operational Data
Table B-1. OU-1 South Second Quarter 2023
National Grid Bay Shore/Brightwaters Former MGP Site

Weight of Oxygen Injected through Q1 2023 845,231 lbs

Oxygen to OU-1 Union Boulevard

		Operational Days	Oxygen Injected Per Month (lbs)
Month 1	Apr-23	30	3,472
Month 2	May-23	29	4,957
Month 3	Mar-23	27	3,959
Total Operational Days in Q2 2023			86
Total Oxygen in Q2 2023 (lbs)			12,387.44
Running Total for Oxygen to OU-1 Union Boulevard after Reconfiguration Through Q2 2023 (lbs)			**857,618.33**

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

System Operating Specs
Total of 8 injection banks
Oxygen is injected for 13 minutes during each injection cycle
Each Injection bank operates for 3 injection cycles per day
Each injection point injects oxygen for 39 min per day (13 min per cycle * 3 cycles)

Example
Bank 2 starts injection at 700AM
Bank 2 finishes injection at 713AM
System is recharging 713AM to 800AM
Bank 3 starts injection at 800AM
Bank 3 finishes injection at 813AM
System is recharging 813AM to 900AM
Bank 4 starts injection at 900AM
Bank 4 finishes injection at 913AM
System is recharging from 913AM to 1000AM
Bank 5 starts injection at 1000AM
Bank 5 finishes injection at 1013AM
System is recharging from 1013AM to 1100AM
Bank 6 starts injection at 1100AM
Bank 6 finishes injection at 1113AM
System is recharging from 1113AM to 1200PM
Bank 7 starts injection at 1200PM
Bank 7 finishes injection at 12113M
System is recharging from 1213PM to 100PM
Bank 8 starts injection at 100PM
Bank 8 finishes injection at 113PM
System is recharging from 113PM to 200PM
(Keep repeating cycle for course of day)

System Downtime **Days/Hours**

			4/20/2023						5/24/2023						19-Jun 3/21/2023					
		O_2%	68.1						75.8						69.8					
		R	10.73						10.73						10.73					
		Temp R (T)	622						607						614					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 1	Point 51	15	21	19.950	12.968	0.0	14.7	0.019	30	29.453	19.145	1.0	15.7	0.035	40	39.271	25.526	1.0	15.7	0.042
	Point 52	25	26	31.363	20.386	9.0	23.7	0.049	26	31.363	20.386	9.0	23.7	0.056	38	45.352	29.479	8.5	23.2	0.072
	Point 53	15	20	19.000	12.350	0.0	14.7	0.019	26	24.700	16.055	0.0	14.7	0.027	34	32.845	21.349	0.5	15.2	0.034
	Point 54	25	26	31.363	20.386	9.0	23.7	0.049	24	28.950	18.818	9.0	23.7	0.052	28	33.055	21.486	8.0	22.7	0.052
	Point 55	15	20	21.141	13.742	3.5	18.2	0.026	26	27.484	17.864	3.5	18.2	0.038	40	42.282	27.484	3.5	18.2	0.053
	Point 56	25	20	24.125	15.681	9.0	23.7	0.038	26	31.030	20.170	8.5	23.2	0.054	32	38.191	24.824	8.5	23.2	0.061
	Point 57	15	10	10.715	6.965	4.0	18.7	0.013	28	29.598	19.239	3.5	18.2	0.041	36	38.054	24.735	3.5	18.2	0.048
	Point 58	25	13	15.681	10.193	9.0	23.7	0.025	20	23.869	15.515	8.5	23.2	0.042	32	38.191	24.824	8.5	23.2	0.061
Total Oxygen Injected Per Day (lb)			7.614						11.057						13.558					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 2	Point 47	52	35	50.344	32.724	19.0	33.7	0.113	50	71.920	46.748	19.0	33.7	0.183	40	57.108	37.120	18.5	33.2	0.131
	Point 45	52	30	42.507	27.630	18.0	32.7	0.092	52	74.797	48.618	19.0	33.7	0.191	40	57.108	37.120	18.5	33.2	0.131
	Point 48	52	32	44.642	29.017	17.0	31.7	0.094	50	69.753	45.340	17.0	31.7	0.167	36	50.222	32.645	17.0	31.7	0.110
	Point 44	52	32	44.642	29.017	17.0	31.7	0.094	50	71.920	46.748	19.0	33.7	0.183	36	51.008	33.155	18.0	32.7	0.115
	Point 46	52	30	43.471	28.256	19.5	34.2	0.099	50	72.979	47.437	20.0	34.7	0.192	36	51.782	33.659	19.0	33.7	0.120
	Point 14A	62	35	49.591	32.234	18.0	32.7	0.108	60	91.282	59.334	23.0	37.7	0.260	36	55.131	35.835	23.5	38.2	0.145
	Point 12A	62	33	46.758	30.392	18.0	32.7	0.101	22	34.347	22.325	25.0	39.7	0.103	40	60.855	39.556	23.0	37.7	0.158
	Point 16A	62	33	46.758	30.392	18.0	32.7	0.101	60	94.845	61.649	26.0	40.7	0.292	30	46.243	30.058	24.0	38.7	0.123
Total Oxygen Injected Per Day (lb)			25.645						50.295						33.026					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 3	Point 1	41	29	38.829	25.239	14.5	29.2	0.075	30	40.510	26.332	15.0	29.7	0.091	30	40.510	26.332	15.0	29.7	0.083
	Point 4	26	28	30.793	20.016	5.0	19.7	0.040	32	36.074	23.448	6.0	20.7	0.056	32	36.074	23.448	6.0	20.7	0.051
	Point 5	41	29	38.158	24.803	13.5	28.2	0.071	30	39.122	25.430	13.0	27.7	0.082	32	42.106	27.369	13.5	28.2	0.082
	Point 8	26	29	33.085	21.505	6.5	21.2	0.047	30	35.416	23.020	8.0	22.7	0.061	30	35.024	22.765	7.5	22.2	0.054
	Point 9	41	26	33.906	22.039	13.0	27.7	0.062	30	39.474	25.658	13.5	28.2	0.084	30	39.122	25.430	13.0	27.7	0.075
	Point 12	26	28	31.565	20.517	6.0	20.7	0.043	30	33.820	21.983	6.0	20.7	0.053	30	35.024	22.765	7.5	22.2	0.054
	Point 13	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 16	25	29	34.235	22.253	8.0	22.7	0.052	30	35.804	23.273	8.5	23.2	0.063	30	35.416	23.020	8.0	22.7	0.055
Total Oxygen Injected Per Day (lb)			12.496						15.690						14.500					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 4	Point 2	26	19	21.419	13.922	6.0	20.7	0.029	30	34.627	22.508	7.0	21.7	0.057	32	36.936	24.008	7.0	21.7	0.055
	Point 3	41	25	32.008	20.805	12.0	26.7	0.057	36	46.092	29.960	12.0	26.7	0.093	34	43.937	28.559	12.5	27.2	0.082
	Point 6	26	28	36.514	23.734	13.0	27.7	0.067	36	46.092	29.960	12.0	26.7	0.093	34	43.937	28.559	12.5	27.2	0.082
	Point 7	41	23	27.152	17.649	8.0	22.7	0.041	38	44.860	29.159	8.0	22.7	0.077	38	44.860	29.159	8.0	22.7	0.070
	Point 10	26	23	27.152	17.649	8.0	22.7	0.041	30	35.804	23.273	8.5	23.2	0.063	30	35.416	23.020	8.0	22.7	0.055
	Point 11	41	27	36.151	23.498	14.5	29.2	0.070	32	43.211	28.087	15.0	29.7	0.097	30	40.168	26.109	14.5	29.2	0.081
	Point 14	26	25	29.837	19.394	8.5	23.2	0.046	30	35.804	23.273	8.5	23.2	0.063	30	36.188	23.522	9.0	23.7	0.059
	Point 15	41	30	40.168	26.109	14.5	29.2	0.078	30	40.168	26.109	14.5	29.2	0.089	30	40.510	26.332	15.0	29.7	0.083
Total Oxygen Injected Per Day (lb)			13.717						20.210						18.175					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 5	Point 17	62	34	44.737	29.079	13.5	28.2	0.084	32	48.684	31.645	23.0	37.7	0.139	40	60.855	39.556	23.0	37.7	0.158
	Point 18	41	28	35.171	22.861	11.0	25.7	0.060	26	33.288	21.638	12.0	26.7	0.067	30	38.048	24.731	11.5	26.2	0.069
	Point 19	26	30	34.226	22.247	6.5	21.2	0.048	32	36.936	24.008	7.0	21.7	0.061	36	41.553	27.009	7.0	21.7	0.062
	Point 22	22	30	33.820	21.983	6.0	20.7	0.046	32	36.074	23.448	6.0	20.7	0.056	36	40.584	26.379	6.0	20.7	0.058
	Point 24	37	29	37.129	24.134	12.0	26.7	0.066	30	38.410	24.966	12.0	26.7	0.078	30	38.410	24.966	12.0	26.7	0.071
	Point 25	22	30	33.409	21.716	5.5	20.2	0.045	30	33.820	21.983	6.0	20.7	0.053	32	35.636	23.163	5.5	20.2	0.050
	Point 59	15	26	27.859	18.108	4.0	18.7	0.035	30	32.145	20.894	4.0	18.7	0.045	30	32.145	20.894	4.0	18.7	0.041
	Point 49	62	35	52.537	34.149	22.0	36.7	0.128	38	57.040	37.076	22.0	36.7	0.158	32	48.360	31.434	22.5	37.2	0.124
Total Oxygen Injected Per Day (lb)			16.356						21.042						20.226					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 6	Point 20	61	30	45.032	29.271	22.0	36.7	0.110	28	42.315	27.505	22.5	37.2	0.119	36	54.405	35.363	22.5	37.2	0.139
	Point 26	57	35	51.452	33.444	20.5	35.2	0.120	30	44.414	28.869	21.0	35.7	0.120	40	59.219	38.492	21.0	35.7	0.146
	Point 27	37	26	32.340	21.021	10.5	25.2	0.054	30	37.684	24.494	11.0	25.7	0.073	36	45.220	29.393	11.0	25.7	0.080
	Point 28	22	28	31.182	20.268	5.5	20.2	0.042	28	31.565	20.517	6.0	20.7	0.049	30	33.409	21.716	5.5	20.2	0.046
	Point 30	22	27	30.068	19.544	5.5	20.2	0.040	28	31.565	20.517	6.0	20.7	0.049	30	33.820	21.983	6.0	20.7	0.048
	Point 32	22	28	30.793	20.016	5.0	19.7	0.040	28	30.793	20.016	5.0	19.7	0.046	38	41.791	27.164	5.0	19.7	0.057
	Point 60	15	28	29.188	18.972	3.0	17.7	0.034	28	29.598	19.239	3.5	18.2	0.041	34	35.940	23.361	3.5	18.2	0.045
	Point 50	62	33	50.537	32.849	23.5	38.2	0.128	36	55.131	35.835	23.5	38.2	0.159	40	61.257	39.817	23.5	38.2	0.161
Total Oxygen Injected Per Day (lb)			18.188						21.027						23.122					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 7	Point 21	37	33	42.251	27.463	12.0	26.7	0.075	32	40.585	26.380	11.5	26.2	0.080	32	40.585	26.380	11.5	26.2	0.073
	Point 31	22	30	33.409	21.716	5.5	20.2	0.045	30	33.409	21.716	5.5	20.2	0.051	32	35.192	22.875	5.0	19.7	0.048
	Point 33	22	28	31.565	20.517	6.0	20.7	0.043	30	33.820	21.983	6.0	20.7	0.053	32	36.074	23.448	6.0	20.7	0.051
	Point 34	22	25	27.841	18.096	5.5	20.2	0.037	30	33.409	21.716	5.5	20.2	0.051	30	33.409	21.716	5.5	20.2	0.046
	Point 35	22	28	31.182	20.268	5.5	20.2	0.042	30	33.409	21.716	5.5	20.2	0.051	40	44.545	28.954	5.5	20.2	0.062
	Point 36	22	26	28.954	18.820	5.5	20.2	0.039	30	33.409	21.716	5.5	20.2	0.051	38	42.318	27.507	5.5	20.2	0.059
	Point 36A	62	30	41.187	26.771	16.0	30.7	0.084	80	122.514	79.634	23.5	38.2	0.354	38	58.194	37.826	23.5	38.2	0.153
	Point 36B	41	33	44.185	28.720	14.5	29.2	0.086	34	45.132	29.336	14.0	28.7	0.098	40	53.096	34.513	14.0	28.7	0.105
Total Oxygen Injected Per Day (lb)			14.407						25.268						19.127					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 8	Point 23	57	32	45.341	29.471	18.0	32.7	0.098	30	41.852	27.204	17.0	31.7	0.100	30	44.724	29.071	21.5	36.2	0.111
	Point 29	34	29	36.428	23.678	11.0	25.7	0.062	30	37.684	24.494	11.0	25.7	0.073	30	37.315	24.255	10.5	25.2	0.065
	Point 37	22	25	28.856	18.756	7.0	21.7	0.042	30	33.820	21.983	6.0	20.7	0.053	34	38.789	25.213	6.5	21.2	0.057
	Point 37A	62	32	42.477	27.610	14.0	28.7	0.081	30	39.122	25.430	13.0	27.7	0.082	30	45.338	29.469	22.5	37.2	0.116
	Point 37B	41	31	38.940	25.311	11.0	25.7	0.066	30	37.684	24.494	11.0	25.7	0.073	26	34.513	22.433	14.0	28.7	0.068
	Point 38	22	28	31.565	20.517	6.0	20.7	0.043	30	33.820	21.983	6.0	20.7	0.053	36	40.584	26.379	6.0	20.7	0.058
	Point 61	17	30	33.409	21.716	5.5	20.2	0.045	30	33.409	21.716	5.5	20.2	0.051	30	33.409	21.716	5.5	20.2	0.046
	Point 63	13	20	21.995	14.297	5.0	19.7	0.029	38	40.716	26.466	4.0	18.7	0.058	40	42.859	27.859	4.0	18.7	0.055
Total Oxygen Injected Per Day (lb)			14.913						17.390						18.456					
System Total Per Day (lb)			115.72						170.92						146.63					

Total Weight of Oxygen Injected through Q2 2022	1,132,582 lbs
Weight of Oxygen Injected through Q2 2022 (OU-1)	397,383 lbs
Weight of Oxygen Injected through Q2 2022 (OU-3)	735,199 lbs

Oxygen to OU-1 (60/66 N. Clinton)

Operational Days			Oxygen Injected Per Month (lbs)
Month 1	Jul-22	31	5,101
Month 2	Aug-22	27	3,662
Month 3	Sep-22	26	4,118
Total Operational Days in Q3 2022			84
Total Oxygen in OU-1 in Q3 2022 (lbs)			12,881.48
Running Total for Oxygen to OU-1 Through Q3 2022 (lbs)			**410,264.21**

Oxygen to OU-3 (Community Road)

Operational Days			Oxygen Injected Per Month (lbs)
Month 1	Jul-22	31	6,410
Month 2	Aug-22	27	4,162
Month 3	Sep-22	26	5,394
Total Operational Days in Q3 2022			84
Total Oxygen in OU-3 in Q3 2022 (lbs)			15,966.59
Running Total for Oxygen to OU-3 Through Q3 2022 (lbs)			**751,165.60**

Running Total for Oxygen System (OU-1 and OU-3) Through Q3 2022 (lbs)	**1,161,429.81**

Notes:
SCFH (M) = Measured flow rate
SCFH (C*) = Flow rate converted for oxygen (Flow meters are calibrated for air)
CF/D (V) = Volume of oxygen injected per day
PSI (M) = Measured pressure
PSIa (P) = Pressure converted to atmospheric pressure.
n = PV/RT = (lb Moles)
lbs = n*32 lb/lb mole
Temperature = Degrees Rankine
R = Constant (0.73)
NA* - System Not Operational
* - Point from the original OU-1 alignment.

System Operating Specs

* Injection point from the original system layout. Operation will be terminated upon approval from the NYSDEC. Once terminated, Injection point 8, 9, 12, and 15 will be connected to the manifold.

Total of 5 injection banks
Banks 1 & 2: Oxygen is injected for 8 minutes during each injection cycle
Each injection bank operates for 9.6 injection cycles per day
Each injection point injects oxygen for 76.8 min per day (8 min per cycle * 9.6 cycles)
Banks 3, 4, & 5: Oxygen is injected for 10 minutes during each injection cycle
Each injection bank operates for 9.6 injection cycles per day
Each injection point injects oxygen for 96 min per day (10 min per cycle * 9.6 cycles)

Example
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 708AM
System is recharging 708AM to 730AM
Bank 2 starts injection at 730AM
Bank 2 finishes injection at 738AM
System is recharging 738AM to 800AM
Bank 3 starts injection at 800AM
Bank 3 finishes injection at 810AM
System is recharging from 810AM to 830AM
Bank 4 starts injection at 830AM
Bank 4 Finishes injection at 840AM
System is recharging from 840AM to 900AM
Bank 5 starts injection at 900AM
Bank 5 finishes injection at 910AM
System is recharging from 910AM to 930AM
Bank 6 starts injection at 1000AM
Bank 6 finishes injection at 1010AM
System is recharging from 1010AM to 930AM
note: in injection bank 6, Point 10, 13, and 9 were changed to Point 12, 15, and 16 respectively for the June check.

System Downtime **Days/Hours**

	7/25/2022	8/23/2022	9/30/2022
O_2%	93.6	98.4	86.1
R	10.73	10.73	10.73
Temp R (T)	618	629	611

		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 1	Point 1A*	25	33	38.526	49.313	7.5	22.2	0.155	26	28.229	36.133	4.5	19.2	0.101	41	44.514	56.978	4.5	19.2	0.144
	Point 1B*	35	32	40.585	51.949	11.5	26.2	0.192	28	35.171	45.019	11.0	25.7	0.168	35	43.964	56.274	11.0	25.7	0.190
	Point 2A*	25	34	40.138	51.377	8.0	22.7	0.165	24	28.019	35.864	7.5	22.2	0.116	35	40.398	51.710	7.0	21.7	0.147
	Point 2B*	35	33	42.645	54.585	12.5	27.2	0.210	26	33.288	42.609	12.0	26.7	0.166	36	46.092	58.997	12.0	26.7	0.207
	Point 3A*	25	34	38.789	49.650	6.5	21.2	0.149	23	25.613	32.785	5.5	20.2	0.097	36	40.091	51.316	5.5	20.2	0.136
	Point 3B*	35	32	41.731	53.415	13.0	27.7	0.209	26	33.288	42.609	12.0	26.7	0.166	33	42.251	54.081	12.0	26.7	0.190
	Point 4A*	25	34	40.578	51.940	8.5	23.2	0.170	24	28.333	36.266	8.0	22.7	0.120	35	41.319	52.888	8.0	22.7	0.158
	Point 4B*	35	31	40.427	51.746	13.0	27.7	0.202	26	33.599	43.008	12.5	27.2	0.171	32	41.352	52.931	12.5	27.2	0.189
	Point 5A*	25	33	39.806	50.952	9.0	23.7	0.170	26	31.030	39.718	8.5	23.2	0.134	32	37.777	48.355	8.0	22.7	0.144
	Point 5B*	35	34	44.339	56.754	13.0	27.7	0.222	26	33.599	43.008	12.5	27.2	0.171	34	43.937	56.239	12.5	27.2	0.201
Total Oxygen Injected Per Day (lb)				**58.977**						**45.109**						**54.573**				
Injection Bank 2	Point 1A	15	32	36.074	46.175	6.0	20.7	0.135	30	32.571	41.691	4.5	19.2	0.117	40	43.429	55.589	4.5	19.2	0.140
	Point 1B	25	38	44.860	57.421	8.0	22.7	0.184	30	35.024	44.830	7.5	22.2	0.145	42	49.033	62.763	7.5	22.2	0.183
	Point 2A	15	33	36.292	46.454	5.0	19.7	0.129	30	32.145	41.145	4.0	18.7	0.112	39	41.788	53.488	4.0	18.7	0.131
	Point 2B	25	34	40.578	51.940	8.5	23.2	0.170	30	35.024	44.830	7.5	22.2	0.145	38	44.363	56.785	7.5	22.2	0.166
	Point 3A	15	34	37.392	47.862	5.0	19.7	0.133	30	32.145	41.145	4.0	18.7	0.112	38	40.716	52.117	4.0	18.7	0.128
	Point 3B	25	33	40.638	52.016	10.0	24.7	0.181	29	34.981	44.776	9.0	23.7	0.155	37	44.631	57.128	9.0	23.7	0.178
	Point 4A	15	33	36.750	47.040	5.5	20.2	0.134	29	31.486	40.302	4.5	19.2	0.113	40	43.429	55.589	4.5	19.2	0.140
Total Oxygen Injected Per Day (lb)				**34.135**						**28.761**						**34.113**				
Injection Bank 6	Point 4B	25	32	39.005	62.408	9.5	24.2	0.213	24	29.254	46.806	9.5	24.2	0.165	35	42.219	67.550	9.0	23.7	0.210
	Point 5A	15	31	34.093	54.548	5.0	19.7	0.152	24	26.394	42.231	5.0	19.7	0.121	34	36.430	58.289	4.0	18.7	0.143
	Point 5B	25	39	47.538	76.060	9.5	24.2	0.260	23	27.744	44.390	9.0	23.7	0.153	35	41.771	66.834	8.5	23.2	0.204
	Point 6	25	31	37.786	60.458	9.5	24.2	0.207	24	29.254	46.806	9.5	24.2	0.165	32	38.191	61.105	8.5	23.2	0.186
	Point 7	25	29	35.712	57.139	10.0	24.7	0.199	24	29.254	46.806	9.5	24.2	0.165	33	39.806	63.690	9.0	23.7	0.198
	Point 12	15	44	49.000	78.399	5.5	20.2	0.224	40	44.545	71.272	5.5	20.2	0.210	50	54.988	87.981	5.0	19.7	0.228
	Point 11	25	43	52.413	83.861	9.5	24.2	0.286	39	47.538	76.060	9.5	24.2	0.268	50	59.873	95.477	8.5	23.2	0.291
	Point 15	25	42	51.194	81.911	9.5	24.2	0.280	40	48.757	78.010	9.5	24.2	0.275	48	57.900	92.640	9.0	23.7	0.288
	Point 14	15	44	47.771	76.434	4.5	19.2	0.207	41	44.514	71.223	4.5	19.2	0.199	50	53.574	85.719	4.0	18.7	0.211
	Point 16	16	42	46.190	73.904	5.0	19.7	0.206	41	45.090	72.144	5.0	19.7	0.207	50	54.288	86.857	4.5	19.2	0.219
Total Oxygen Injected Per Day (lb)				**71.451**						**61.766**						**69.691**				
OU-1 System Total Per Day (lb)				**164.56**						**135.64**						**158.38**				

Oxygen Going to OU-3 (Community Road)

		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 2	Point 16	21	34	33.908	43.402	1.5	16.2	0.099	28	29.598	37.885	3.5	18.2	0.101	38	40.168	51.416	3.5	18.2	0.123
	Point 17	21	33	40.224	51.487	9.5	24.2	0.176	30	35.804	45.829	8.5	23.2	0.155	40	47.221	60.443	8.0	22.7	0.180
	Point 29	21	36	42.499	54.399	8.0	22.7	0.174	31	35.781	45.800	7.0	21.7	0.145	44	50.198	64.253	6.5	21.2	0.179
Total Oxygen Injected Per Day (lb)				**14.382**						**12.814**						**15.423**				
Injection Bank 3	Point 18	21	35	41.771	66.834	8.5	23.2	0.219	23	26.852	42.962	7.5	22.2	0.139	40	46.698	74.717	7.5	22.2	0.218
	Point 19A	16	35	39.930	63.888	6.5	21.2	0.191	24	26.727	42.763	5.5	20.2	0.126	40	44.545	71.272	5.5	20.2	0.189
	Point 19B	27	36	44.332	70.931	10.0	24.7	0.247	24	29.254	46.806	9.5	24.2	0.165	38	45.838	73.340	9.0	23.7	0.228
	Point 25A	16	35	43.964	70.343	11.0	25.7	0.255	25	30.473	48.757	9.5	24.2	0.172	42	47.348	75.756	6.0	20.7	0.206
	Point 26A	16	34	38.789	62.063	6.5	21.2	0.186	26	29.311	46.897	6.0	20.7	0.142	34	37.863	60.581	5.5	20.2	0.161
	Point 26B	27	34	42.708	68.333	11.0	25.7	0.248	25	30.786	49.258	10.0	24.7	0.177	42	49.582	79.332	8.0	22.7	0.237
	Point 27A	16	34	38.789	62.063	6.5	21.2	0.186	25	27.841	44.545	5.5	20.2	0.131	35	38.977	62.363	5.5	20.2	0.165
	Point 27B	27	34	42.708	68.333	11.0	25.7	0.248	25	30.786	49.258	10.0	24.7	0.177	35	43.100	68.961	10.0	24.7	0.224
	Point 28A	16	36	41.071	65.714	6.5	21.2	0.197	22	24.500	39.200	5.5	20.2	0.115	38	42.318	67.709	5.5	20.2	0.180
	Point 28B	27	32	40.585	64.936	11.5	26.2	0.240	26	32.340	51.744	10.5	25.2	0.190	32	39.803	63.685	10.5	25.2	0.211
Total Oxygen Injected Per Day (lb)				**70.928**						**49.127**						**64.572**				
Injection Bank 4	Point 20A	16	33	37.648	60.237	6.5	21.2	0.180	26	29.662	47.460	6.5	21.2	0.147	38	43.353	69.364	6.5	21.2	0.193
	Point 21B	27	33	41.047	65.675	10.5	25.2	0.234	29	35.712	57.139	10.0	24.7	0.206	42	50.663	81.060	9.0	23.7	0.252
	Point 22A	16	32	36.508	58.412	6.5	21.2	0.175	25	28.183	45.093	6.0	20.7	0.136	40	45.093	72.149	6.0	20.7	0.196
	Point 22B	27	32	40.585	64.936	11.5	26.2	0.240	25	31.403	50.245	11.0	25.7	0.188	42	51.720	82.753	10.0	24.7	0.268
	Point 23A	16	31	34.947	55.915	6.0	20.7	0.163	25	27.494	43.990	5.0	19.7	0.126	37	41.204	65.927	5.5	20.2	0.175
	Point 23C	11	31	33.657	53.851	4.5	19.2	0.146	24	25.716	41.145	4.0	18.7	0.112	37	39.645	63.432	4.0	18.7	0.156
	Point 24B	27	31	38.940	62.304	11.0	25.7	0.226	25	31.096	49.754	10.5	25.2	0.183	41	50.489	80.782	10.0	24.7	0.262
	Point 31A	11	36	39.086	62.537	4.5	19.2	0.169	24	25.359	40.591	3.5	18.2	0.108	35	37.502	60.003	4.0	18.7	0.147
	Point 32B	21	30	35.804	57.286	8.5	23.2	0.188	24	28.019	44.830	7.5	22.2	0.145	39	46.041	73.665	8.0	22.7	0.220
	Point 33B	21	36	35.903	57.444	1.5	16.2	0.131	25	24.545	39.271	1.0	15.7	0.090	32	31.417	50.267	1.0	15.7	0.104
Total Oxygen Injected Per Day (lb)				**59.282**						**46.107**						**63.147**				
Injection Bank 5	Point 20B	27	32	40.196	64.313	11.0	25.7	0.233	26	32.340	51.744	10.5	25.2	0.190	33	40.838	65.020	10.0	24.7	0.211
	Point 21A	16	33	38.090	60.944	7.0	21.7	0.187	26	29.311	46.897	6.0	20.7	0.142	38	42.838	68.542	6.0	20.7	0.186
	Point 21B	27	33	40.638	65.020	10.0	24.7	0.227	24	28.950	46.320	9.0	23.7	0.160	40	48.250	77.200	9.0	23.7	0.240
	Point 24A	16	33	38.090	60.944	7.0	21.7	0.187	24	27.056	43.289	6.0	20.7	0.131	39	43.866	70.345	6.0	20.7	0.191
	Point 25B	27	33	37.648	60.237	6.5	21.2	0.180	23	25.613	40.982	5.5	20.2	0.121	39	43.432	69.490	5.5	20.2	0.184
	Point 31B	33	32	41.731	66.769	13.0	27.7	0.261	25	32.008	51.213	12.0	26.7	0.199	45	57.615	92.183	12.0	26.7	0.323
	Point 32A	11	32	34.743	55.589	4.5	19.2	0.151	25	26.427	42.282	3.5	18.2	0.112	38	40.716	65.146	4.0	18.7	0.160
	Point 32C	33	32	42.106	67.369	13.5	28.2	0.268	25	32.306	51.690	12.5	27.2	0.205	40	51.213	81.941	12.0	26.7	0.287
	Point 33A	11	33	33.911	54.258	2.5	17.2	0.132	23	22.938	36.700	1.5	16.2	0.087	38	37.308	59.692	1.0	15.7	0.123
	Point 33C	33	31	31.390	50.223	2.0	16.7	0.118	25	24.932	39.892	1.5	16.2	0.094	32	31.417	50.267	1.0	15.7	0.104
Total Oxygen Injected Per Day (lb)				**62.195**						**46.095**						**64.333**				
OU-3 System Total Per Day (lb)				**206.79**						**154.14**						**207.47**				

Appendix B. OU-1 Oxygen Injection System Operational Data
Table B-2. OU-1 60/66 N. Clinton OU-3 Community Road Fourth Quarter 2022
National Grid Bay Shore/Brightwaters Former MGP Site

Total Weight of Oxygen Injected through Q3 2022	1,161,430	lbs
Weight of Oxygen Injected through Q3 2022 (OU-1)	410,264	lbs
Weight of Oxygen Injected through Q3 2022 (OU-3)	751,166	lbs

Oxygen to OU-1 (60/66 N. Clinton)

	Operational Days		Oxygen Injected Per Month (lbs)
Month 1	Oct-22	31	4,757
Month 2	Nov-22	30	4,425
Month 3	Dec-22	31	4,493
Total Operational Days In Q4 2022			92
Total Oxygen in OU-1 in Q4 2022 (lbs)			13,674.17
Running Total for Oxygen to OU-1 Through Q4 2022 (lbs)			**423,938.38**

Oxygen to OU-3 (Community Road)

	Operational Days		Oxygen Injected Per Month (lbs)
Month 1	Oct-22	31	6,291
Month 2	Nov-22	30	5,988
Month 3	Dec-22	31	5,976
Total Operational Days In Q4 2022			92
Total Oxygen in OU-3 in Q4 2022 (lbs)			18,254.91
Running Total for Oxygen to OU-3 Through Q4 2022 (lbs)			**769,420.51**

Running Total for Oxygen System (OU-1 and OU-3) Through Q4 2022 (lbs)	**1,193,358.89**

Notes:
SCFH (M) = Measured flow rate
SCFH (C*) = Flow rate converted for oxygen (Flow meters are calibrated for air)
CF/D (V) = Volume of oxygen injected per day
PSI (M) = Measured pressure
PSIa (P) = Pressure converted to atmospheric pressure.
n = PV/RT = (lb Moles)
lbs = n*32 lb/lb mole
Temperature = Degrees Rankine
R = Constant (0.73)
NA* - System Not Operational
* - Point from the original OU-1 alignment.

System Operating Specs
* Injection point from the original system layout. Operation will be terminated upon approval from the NYSDEC. Once terminated, Injection point 8, 9, 12, and 15 will be connected to the manifold.

Total of 5 injection banks
Banks 1 & 2: Oxygen is injected for 8 minutes during each injection cycle
Each Injection bank operates for 9.6 injection cycles per day
Each injection point injects oxygen for 76.8 min per day (8 min per cycle * 9.6 cycles)
Banks 3, 4, & 5: Oxygen is injected for 10 minutes during each injection cycle
Each Injection bank operates for 9.6 injection cycles per day
Each injection point injects oxygen for 96 min per day (10 min per cycle * 9.6 cycles)

Example
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 706AM
System is recharging 706AM to 730AM
Bank 2 starts injection at 730AM
Bank 2 finishes injection at 738AM
System is recharging 738AM to 800AM
Bank 3 starts injection at 800AM
Bank 3 finishes injection at 810AM
System is recharging from 810AM to 830AM
Bank 4 starts injection at 830AM
Bank 4 Finishes injection at 840AM
System is recharging from 840AM to 900AM
Bank 5 starts injection at 900AM
Bank 5 finishes injection at 910AM
System is recharging from 910AM to 930AM
Bank 6 starts injection at 1000AM
Bank 6 finishes injection at 1010AM
System is recharging from 1010AM to 930AM
note: in injection bank 6, Point 10, 13, and 9 were changed to Point 12, 15, and 16 respectively for the June check.

System Downtime **Days/Hours**

	10/19/2022	11/17/2022	12/22/2022
O_2%	92.7	93.1	92.6
R	10.73	10.73	10.73
Temp R (T)	620	620	618

		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lb-PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lb-PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lb-PV/RT lbs O2
Injection Bank 1	Point 1A*	25	43	47.886	61.294	5.5	20.2	0.173	33	36.292	46.454	5.0	19.7	0.128	30	32.993	42.231	5.0	19.7	0.116
	Point 1B*	35	30	41.852	53.571	17.0	31.7	0.237	31	38.940	49.843	11.0	25.7	0.179	36	45.658	58.442	11.5	26.2	0.214
	Point 2A*	25	34	40.578	51.940	8.5	23.2	0.168	31	36.191	46.325	7.5	22.2	0.144	30	35.024	44.830	7.5	22.2	0.139
	Point 2B*	35	34	43.937	56.239	12.5	27.2	0.213	31	39.690	50.803	12.0	26.7	0.190	36	46.521	59.547	12.5	27.2	0.226
	Point 3A*	25	37	41.711	53.390	8.0	20.7	0.154	32	36.074	46.175	6.0	20.7	0.134	32	38.074	46.175	6.0	20.7	0.133
	Point 3B*	35	30	38.768	49.623	12.5	27.2	0.188	31	40.060	51.277	12.5	27.2	0.195	32	41.352	52.931	12.5	27.2	0.201
	Point 4A*	25	35	41.771	53.467	8.5	23.2	0.173	31	36.997	47.357	8.5	23.2	0.154	30	35.804	45.829	8.5	23.2	0.148
	Point 4B*	35	32	41.731	53.415	13.0	27.7	0.206	30	39.122	50.077	13.0	27.7	0.194	30	39.122	50.077	13.0	27.7	0.194
	Point 5A*	25	34	40.578	51.940	8.5	23.2	0.168	30	35.804	45.829	8.5	23.2	0.149	30	36.188	46.320	9.0	23.7	0.153
	Point 5B*	35	31	40.427	51.746	13.0	27.7	0.200	31	40.427	51.746	13.0	27.7	0.201	30	38.122	50.077	13.0	27.7	0.194
Total Oxygen Injected Per Day (lb)					**60.127**						**53.353**						**55.004**			
Injection Bank 2	Point 1A	15	33	36.292	46.454	5.0	19.7	0.128	30	32.993	42.231	5.0	19.7	0.116	31	34.523	44.189	5.5	20.2	0.125
	Point 1B	25	36	42.499	54.399	8.0	22.7	0.172	30	33.820	43.289	6.0	20.7	0.125	30	35.416	45.332	8.0	22.7	0.144
	Point 2A	15	30	32.571	41.691	4.5	19.2	0.112	31	33.657	43.081	4.5	19.2	0.116	31	33.657	43.081	4.5	19.2	0.116
	Point 2B	25	32	37.777	48.355	8.0	22.7	0.153	30	35.416	45.332	8.0	22.7	0.144	30	35.416	45.332	8.0	22.7	0.144
	Point 3A	15	31	33.216	42.516	4.0	18.7	0.111	32	34.743	44.471	4.5	19.2	0.119	30	32.571	41.691	4.5	19.2	0.112
	Point 3B	25	32	39.005	49.927	9.5	24.2	0.168	30	36.567	46.806	9.5	24.2	0.159	30	36.567	46.806	9.5	24.2	0.158
	Point 4A	15	33	36.292	46.454	5.0	19.7	0.128	28	30.793	39.415	5.0	19.7	0.109	30	33.409	42.763	5.5	20.2	0.121
Total Oxygen Injected Per Day (lb)					**31.064**						**28.425**						**29.381**			
Injection Bank 6	Point 4B	25	32	38.600	61.760	9.0	23.7	0.204	31	37.786	60.458	9.5	24.2	0.205	26	31.692	50.707	9.5	24.2	0.171
	Point 5A	15	30	32.571	52.114	4.5	19.2	0.139	29	31.893	51.029	5.0	19.7	0.141	26	28.229	45.168	4.5	19.2	0.121
	Point 5B	25	28	33.775	54.040	9.0	23.7	0.178	30	36.188	57.900	9.0	23.7	0.192	26	31.363	50.180	9.0	23.7	0.166
	Point 6	25	29	34.981	55.970	9.0	23.7	0.185	30	36.567	58.508	9.5	24.2	0.198	26	31.692	50.707	9.5	24.2	0.171
	Point 7	25	30	36.188	57.900	9.0	23.7	0.191	28	34.130	54.607	9.5	24.2	0.185	28	34.130	54.607	9.5	24.2	0.185
	Point 12	15	37	40.171	64.274	4.5	19.2	0.172	43	48.475	77.560	6.0	20.7	0.225	40	43.990	70.385	5.0	19.7	0.194
	Point 11	25	40	48.250	77.200	9.0	23.7	0.255	42	50.663	81.060	9.0	23.7	0.269	40	48.250	77.200	9.0	23.7	0.255
	Point 15	25	39	47.044	75.270	9.0	23.7	0.249	42	51.194	81.911	9.5	24.2	0.277	40	48.250	77.200	9.0	23.7	0.255
	Point 14	15	40	42.859	68.575	4.0	18.7	0.179	43	46.074	73.718	4.0	18.7	0.193	40	42.859	68.575	4.0	18.7	0.179
	Point 16	16	40	43.990	70.385	5.0	19.7	0.193	41	42.740	68.384	3.0	17.7	0.169	40	43.990	70.385	5.0	19.7	0.194
Total Oxygen Injected Per Day (lb)					**62.249**						**65.722**						**60.536**			
OU-1 System Total Per Day (lb)					**153.44**						**147.50**						**144.92**			

Oxygen Going to OU-3 (Community Road)

		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lb-PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lb-PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lb-PV/RT lbs O2
Injection Bank 2	Point 16	21	34	35.940	46.003	3.5	18.2	0.117	34	32.300	41.344	0.0	14.7	0.085	30	28.981	37.095	0.5	15.2	0.079
	Point 17	21	32	38.191	48.884	8.5	23.2	0.158	30	36.188	46.320	9.0	23.7	0.154	30	36.188	46.320	9.0	23.7	0.153
	Point 29	21	34	39.694	50.808	7.5	22.2	0.157	40	47.221	60.443	8.0	22.7	0.192	32	37.777	48.355	8.0	22.7	0.153
Total Oxygen Injected Per Day (lb)					**13.820**						**13.782**						**12.330**			
Injection Bank 3	Point 18	21	34	40.139	64.221	8.0	22.7	0.203	34	40.138	64.221	8.0	22.7	0.204	38	44.860	71.776	8.0	22.7	0.228
	Point 19A	16	35	38.977	62.363	5.5	20.2	0.176	32	36.074	57.719	6.0	20.7	0.167	40	45.093	72.149	6.0	20.7	0.209
	Point 19B	27	33	40.224	64.359	9.5	24.2	0.217	34	41.013	65.620	9.0	23.7	0.218	36	43.881	70.209	9.5	24.2	0.237
	Point 25A	16	30	36.943	59.109	10.0	24.7	0.203	40	45.093	72.149	6.0	20.7	0.209	40	45.634	73.015	6.5	21.2	0.216
	Point 26A	16	30	33.820	54.112	6.0	20.7	0.156	31	34.947	55.915	6.0	20.7	0.162	34	38.329	61.327	6.0	20.7	0.177
	Point 26B	27	30	37.315	59.704	10.5	25.2	0.210	39	46.041	73.665	8.0	22.7	0.234	40	47.739	76.382	8.5	23.2	0.247
	Point 27A	16	31	34.947	55.915	6.0	20.7	0.161	37	41.711	66.738	6.0	20.7	0.193	40	45.093	72.149	6.0	20.7	0.209
	Point 27B	27	30	37.315	59.704	10.5	25.2	0.210	33	41.047	65.675	10.5	25.2	0.232	34	42.291	67.665	10.5	25.2	0.238
	Point 28A	16	35	39.456	63.130	6.0	20.7	0.182	36	40.584	64.934	6.0	20.7	0.188	34	38.329	61.327	6.0	20.7	0.177
	Point 28B	27	32	40.196	64.313	11.0	25.7	0.230	30	37.684	60.294	11.0	25.7	0.217	32	40.196	64.313	11.0	25.7	0.231
Total Oxygen Injected Per Day (lb)					**62.343**						**64.760**						**69.408**			
Injection Bank 4	Point 20A	16	40	46.169	73.871	7.0	21.7	0.223	32	36.936	59.097	7.0	21.7	0.179	30	34.627	55.403	7.0	21.7	0.168
	Point 21B	27	36	44.332	70.931	10.0	24.7	0.244	38	43.861	70.178	7.0	21.7	0.213	34	41.869	66.990	10.0	24.7	0.231
	Point 22A	16	40	45.093	72.149	8.0	20.7	0.208	33	37.648	60.237	6.5	21.2	0.179	30	34.226	54.761	6.5	21.2	0.162
	Point 22B	27	40	50.245	80.392	11.0	25.7	0.288	32	40.196	64.313	11.0	25.7	0.231	30	37.684	60.294	11.0	25.7	0.216
	Point 23A	16	43	47.886	76.618	5.5	20.2	0.216	33	36.750	58.800	5.5	20.2	0.166	30	33.409	53.454	5.5	20.2	0.151
	Point 23C	11	37	39.645	63.432	4.0	18.7	0.165	32	34.287	54.860	4.0	18.7	0.144	30	32.145	51.431	4.0	18.7	0.134
	Point 24B	27	39	48.989	78.382	11.0	25.7	0.281	32	40.196	64.313	11.0	25.7	0.231	36	45.220	72.353	11.0	25.7	0.260
	Point 31A	11	44	48.511	74.417	3.5	18.2	0.189	32	34.287	54.860	4.0	18.7	0.144	32	34.287	54.860	4.0	18.7	0.143
	Point 32B	21	42	49.582	79.332	8.0	22.7	0.251	33	38.958	62.332	8.0	22.7	0.198	32	37.777	60.443	8.0	22.7	0.192
	Point 33B	21	40	39.892	63.827	1.5	16.2	0.144	32	31.417	50.267	1.0	15.7	0.110	32	31.417	50.267	1.0	15.7	0.110
Total Oxygen Injected Per Day (lb)					**70.684**						**57.463**						**56.553**			
Injection Bank 5	Point 20B	27	30	37.315	59.704	10.5	25.2	0.210	34	42.291	67.665	10.5	25.2	0.239	30	37.315	59.704	10.5	25.2	0.210
	Point 21A	16	30	33.409	53.454	5.5	20.2	0.150	34	38.329	61.327	6.0	20.7	0.178	30	33.820	54.112	6.0	20.7	0.156
	Point 23B	27	30	37.315	59.704	10.5	25.2	0.210	35	42.219	67.550	9.0	23.7	0.224	30	36.567	58.508	9.5	24.2	0.198
	Point 24A	16	30	34.226	54.761	6.5	21.2	0.162	36	41.071	65.714	6.5	21.2	0.195	30	34.226	54.761	6.5	21.2	0.162
	Point 25B	27	32	36.074	57.719	6.0	20.7	0.166	34	38.329	61.327	6.0	20.7	0.178	32	36.074	57.719	6.0	20.7	0.167
	Point 31B	33	30	38.768	62.028	12.5	27.2	0.235	36	46.521	74.434	12.5	27.2	0.283	30	37.684	60.294	11.0	25.7	0.216
	Point 32A	11	33	35.359	56.574	4.0	18.7	0.147	36	38.573	61.717	4.0	18.7	0.162	30	32.145	51.431	4.0	18.7	0.134
	Point 32C	33	28	36.514	58.423	13.0	27.7	0.226	34	44.339	70.942	13.0	27.7	0.275	30	39.122	62.596	13.0	27.7	0.242
	Point 33A	11	33	33.415	53.463	2.0	16.7	0.124	36	36.994	59.190	2.5	17.2	0.142	30	29.919	47.870	1.5	16.2	0.108
	Point 33C	33	34	33.908	54.253	1.5	16.2	0.122	34	32.845	52.552	0.5	15.2	0.112	30	29.919	47.870	1.5	16.2	0.108
Total Oxygen Injected Per Day (lb)					**56.093**						**63.586**						**54.484**			
OU-3 System Total Per Day (lb)					**202.94**						**199.59**						**192.77**			

Appendix B. OU-1 Oxygen Injection System Operational Data
Table B-2. OU-1 60/66 N. Clinton OU-3 Community Road First Quarter 2023
National Grid Bay Shore/Brightwaters Former MGP Site

Total Weight of Oxygen Injected through Q4 2022	1,193,359	lbs
Weight of Oxygen Injected through Q4 2022 (OU-1)	423,938	lbs
Weight of Oxygen Injected through Q4 2022 (OU-3)	769,421	lbs

Oxygen to OU-1 (60/66 N. Clinton)

	Operational Days		Oxygen Injected Per Month (lbs)
Month 1	Jan-23	30	4,096
Month 2-3	Feb-Mar-23	29	3,433
Total Operational Days In Q1 2023			59
Total Oxygen in OU-1 in Q1 2023 (lbs)			7,529.55
Running Total for Oxygen to OU-1 Through Q1 2023 (lbs)			**431,467.93**

Oxygen to OU-3 (Community Road)

	Operational Days		Oxygen Injected Per Month (lbs)
Month 1	Jan-23	30	5,128
Month 2-3	Feb-Mar-23	29	4,420
Total Operational Days In Q1 2023			59
Total Oxygen in OU-3 in Q1 2023 (lbs)			9,547.80
Running Total for Oxygen to OU-3 Through Q1 2023 (lbs)			**778,968.31**

Running Total for Oxygen System (OU-1 and OU-3) Through Q1 2023 (lbs)	**1,210,436.24**

Notes:
SCFH (M) = Measured flow rate
SCFH (C*) = Flow rate converted for oxygen (Flow meters are calibrated for air)
CF/D (V) = Volume of oxygen injected per day
PSI (M) = Measured pressure
PSIa (P) = Pressure converted to atmospheric pressure.
n = PV/RT = (lb Moles)
lbs = n*32 lb/lb mole
Temperature = Degrees Rankine
R = Constant (0.73)
NA* - System Not Operational
* - Point from the original OU-1 alignment.

System Operating Specs
* Injection point from the original system layout. Operation will be terminated upon approval from the NYSDEC. Once terminated, Injection point 8, 9, 12, and 15 will be connected to the manifold.

Total of 5 injection banks
Banks 1 & 2: Oxygen is injected for 8 minutes during each injection cycle
Each Injection bank operates for 9.6 injection cycles per day
Each injection point injects oxygen for 76.8 min per day (8 min per cycle * 9.6 cycles)
Banks 3, 4, & 5: Oxygen is injected for 10 minutes during each injection cycle
Each Injection bank operates for 9.6 injection cycles per day
Each injection point injects oxygen for 96 min per day (10 min per cycle * 9.6 cycles)

Example
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 708AM
System is recharging 708AM to 730AM
Bank 2 starts injection at 730AM
Bank 2 finishes injection at 738AM
System is recharging 738AM to 800AM
Bank 3 starts injection at 800AM
Bank 3 finishes injection at 810AM
System is recharging from 810AM to 830AM
Bank 4 starts injection at 830AM
Bank 4 Finishes injection at 840AM
System is recharging from 840AM to 900AM
Bank 5 starts injection at 900AM
Bank 5 finishes injection at 910AM
System is recharging from 910AM to 930AM
Bank 6 starts injection at 1000AM
Bank 6 finishes injection at 1010AM
System is recharging from 1010AM to 930AM
note: in injection bank 6, Point 10, 13, and 9 were changed to Point 12, 15, and 16 respectively for the June check.

System Downtime **Days/Hours**

	1/26/2023	4/7/2023
O_2%	88.6	81.6
R	10.73	10.73
Temp R (T)	622	620

Oxygen Going to OU-3 (Community Road)

		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 1	Point 1A*	25	30	33.409	42.763	5.5	20.2	0.115	29	32.295	41.338	5.5	20.2	0.102
	Point 1B*	35	30	38.048	48.702	11.5	26.2	0.169	30	37.684	48.235	11.0	25.7	0.152
	Point 2A*	25	30	35.416	45.332	8.0	22.7	0.137	28	32.689	41.842	7.5	22.2	0.114
	Point 2B*	35	30	38.768	49.623	12.5	27.2	0.179	30	35.416	45.332	8.0	22.7	0.126
	Point 3A*	25	26	29.662	37.968	6.5	21.2	0.107	24	27.056	34.632	6.0	20.7	0.088
	Point 3B*	35	30	39.122	50.077	13.0	27.7	0.184	30	38.768	49.623	12.5	27.2	0.166
	Point 4A*	25	30	35.804	45.829	8.5	23.2	0.141	27	31.874	40.799	8.0	22.7	0.114
	Point 4B*	35	30	39.122	50.077	13.0	27.7	0.184	30	39.122	50.077	13.0	27.7	0.170
	Point 5A*	25	30	36.188	46.320	9.0	23.7	0.146	30	36.188	46.320	9.0	23.7	0.135
	Point 5B*	35	30	39.474	50.527	13.5	28.2	0.189	30	39.122	50.077	13.0	27.7	0.170
Total Oxygen Injected Per Day (lb)						**49.633**						**42.773**		
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 2	Point 1A	15	30	33.409	42.763	5.5	20.2	0.115	30	33.409	42.763	5.5	20.2	0.106
	Point 1B	25	30	35.804	45.829	8.5	23.2	0.141	26	31.030	39.718	8.5	23.2	0.113
	Point 2A	15	30	32.993	42.231	5.0	19.7	0.110	28	30.400	38.912	4.5	19.2	0.092
	Point 2B	25	30	35.804	45.829	8.5	23.2	0.141	29	33.473	42.845	7.0	21.7	0.114
	Point 3A	15	30	32.571	41.691	4.5	19.2	0.106	29	31.486	40.302	4.5	19.2	0.095
	Point 3B	25	30	36.943	47.287	10.0	24.7	0.155	29	35.712	45.711	10.0	24.7	0.138
	Point 4A	15	30	33.409	42.763	5.5	20.2	0.115	28	31.182	39.912	5.5	20.2	0.099
Total Oxygen Injected Per Day (lb)						**28.269**						**24.223**		
Injection Bank 6	Point 4B	25	26	31.692	50.707	9.5	24.2	0.163	26	31.363	50.180	9.0	23.7	0.146
	Point 5A	15	26	28.594	45.750	5.0	19.7	0.120	22	23.886	38.217	4.5	19.2	0.090
	Point 5B	25	26	31.363	50.180	9.0	23.7	0.158	26	31.363	50.180	9.0	23.7	0.146
	Point 6	25	26	31.692	50.707	9.5	24.2	0.163	24	28.950	46.320	9.0	23.7	0.135
	Point 7	25	28	34.130	54.607	9.5	24.2	0.175	26	31.363	50.180	9.0	23.7	0.146
	Point 12	15	40	44.545	71.272	5.5	20.2	0.191	38	42.318	67.709	5.5	20.2	0.168
	Point 11	25	40	48.757	78.010	9.5	24.2	0.251	40	48.250	77.200	9.0	23.7	0.224
	Point 15	25	40	48.757	78.010	9.5	24.2	0.251	40	48.250	77.200	9.0	23.7	0.224
	Point 14	15	40	43.429	69.486	4.5	19.2	0.177	40	42.859	68.575	4.0	18.7	0.157
	Point 16	16	40	43.990	70.385	5.0	19.7	0.184	40	43.990	70.385	5.0	19.7	0.170
Total Oxygen Injected Per Day (lb)						**58.634**						**51.400**		
OU-1 System Total Per Day (lb)						**136.54**						**118.40**		
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 2	Point 16	21	30	29.453	37.700	1.0	15.7	0.079	30	28.500	36.480	0.0	14.7	0.066
	Point 17	21	30	36.567	46.806	9.5	24.2	0.150	29	34.981	44.776	9.0	23.7	0.130
	Point 29	21	30	35.804	45.829	8.5	23.2	0.141	30	35.416	45.332	8.0	22.7	0.126
Total Oxygen Injected Per Day (lb)						**11.843**						**10.309**		
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 3	Point 18	21	30	35.804	57.286	8.5	23.2	0.176	27	31.874	50.999	8.0	22.7	0.142
	Point 19A	16	30	34.226	54.761	6.5	21.2	0.154	30	33.820	54.112	6.0	20.7	0.137
	Point 19B	27	30	36.943	59.109	10.0	24.7	0.194	30	36.188	57.900	9.0	23.7	0.168
	Point 25A	16	32	34.287	54.860	4.0	18.7	0.136	30	35.416	56.666	8.0	22.7	0.158
	Point 26A	16	30	34.226	54.761	6.5	21.2	0.154	26	29.311	46.897	6.0	20.7	0.119
	Point 26B	27	32	35.636	57.018	5.5	20.2	0.153	30	37.684	60.294	11.0	25.7	0.190
	Point 27A	16	30	33.820	54.112	6.0	20.7	0.149	27	30.438	48.701	6.0	20.7	0.124
	Point 27B	27	30	36.943	59.109	10.0	24.7	0.194	30	37.684	60.294	11.0	25.7	0.190
	Point 28A	16	30	34.226	54.761	6.5	21.2	0.154	29	32.692	52.308	6.0	20.7	0.133
	Point 28B	27	30	38.048	60.878	11.5	26.2	0.212	30	37.684	60.294	11.0	25.7	0.190
Total Oxygen Injected Per Day (lb)						**53.630**						**49.639**		
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 4	Point 20A	16	30	34.627	55.403	7.0	21.7	0.160	30	34.627	55.403	7.0	21.7	0.147
	Point 21B	27	38	44.860	71.776	8.0	22.7	0.216	32	39.406	63.050	10.0	24.7	0.191
	Point 22A	16	30	34.226	54.761	6.5	21.2	0.154	29	33.085	52.936	6.5	21.2	0.138
	Point 22B	27	30	38.048	60.878	11.5	26.2	0.212	29	36.428	58.284	11.0	25.7	0.184
	Point 23A	16	30	33.820	54.112	6.0	20.7	0.149	29	32.295	51.672	5.5	20.2	0.128
	Point 23C	11	30	32.571	52.114	4.5	19.2	0.133	28	30.002	48.002	4.0	18.7	0.110
	Point 24B	27	32	38.191	61.105	8.5	23.2	0.188	28	35.171	56.274	11.0	25.7	0.177
	Point 31A	11	30	32.571	52.114	4.5	19.2	0.133	30	32.145	51.431	4.0	18.7	0.118
	Point 32B	21	30	35.804	57.286	8.5	23.2	0.176	28	33.417	53.467	8.5	23.2	0.152
	Point 33B	21	30	29.453	47.126	1.0	15.7	0.098	30	28.500	45.600	0.0	14.7	0.082
Total Oxygen Injected Per Day (lb)						**51.807**						**45.688**		
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 5	Point 20B	27	30	37.684	60.294	11.0	25.7	0.206	30	37.315	59.704	10.5	25.2	0.185
	Point 21A	16	30	34.226	54.761	6.5	21.2	0.154	30	33.409	53.454	5.5	20.2	0.132
	Point 23B	27	30	36.567	58.508	9.5	24.2	0.188	29	34.981	55.970	9.0	23.7	0.163
	Point 24A	16	30	34.627	55.403	7.0	21.7	0.160	29	33.085	52.936	6.5	21.2	0.138
	Point 25B	27	30	34.226	54.761	6.5	21.2	0.154	28	31.565	50.504	6.0	20.7	0.128
	Point 31B	33	30	39.122	62.596	13.0	27.7	0.230	30	38.768	62.028	12.5	27.2	0.207
	Point 32A	11	30	32.571	52.114	4.5	19.2	0.133	29	31.073	49.717	4.0	18.7	0.114
	Point 32C	33	30	39.474	63.158	13.5	28.2	0.236	31	40.427	64.682	13.0	27.7	0.220
	Point 33A	11	30	30.377	48.603	2.0	16.7	0.108	29	28.472	45.555	1.0	15.7	0.088
	Point 33C	33	30	30.377	48.603	2.0	16.7	0.108	29	28.472	45.555	1.0	15.7	0.088
Total Oxygen Injected Per Day (lb)						**53.647**						**46.777**		
OU-3 System Total Per Day (lb)						**170.93**						**152.41**		

Appendix B. OU-1 Oxygen Injection System Operational Data
Table B-2. OU-1 60/66 N. Clinton OU-3 Community Road Second Quarter 2023
National Grid Bay Shore/Brightwaters Former MGP Site

Total Weight of Oxygen Injected through Q1 2023	1,210,436	lbs
Weight of Oxygen Injected through Q1 2023 (OU-1)	431,468	lbs
Weight of Oxygen Injected through Q1 2023 (OU-3)	778,968	lbs

Oxygen to OU-1 (60/66 N. Clinton)

	Operational Days		Oxygen Injected Per Month (lbs)
Month 1	Apr-23	30	2,768
Month 2	May-23	30	4,099
Month 3	Jun-23	30	3,954
Total Operational Days In Q2 2023			90
Total Oxygen in OU-1 in Q2 2023 (lbs)			10,821.31
Running Total for Oxygen to OU-1 Through Q2 2023 (lbs)			**442,289.24**

Oxygen to OU-3 (Community Road)

	Operational Days		Oxygen Injected Per Month (lbs)
Month 1	Apr-23	30	3,610
Month 2	May-23	30	5,085
Month 3	Jun-23	30	4,809
Total Operational Days In Q2 2023			90
Total Oxygen in OU-3 in Q2 2023 (lbs)			13,504.75
Running Total for Oxygen to OU-3 Through Q2 2023 (lbs)			**792,473.06**

Running Total for Oxygen System (OU-1 and OU-3) Through Q2 2023 (lbs)	**1,234,762.30**

Notes:
SCFH (M) = Measured flow rate
SCFH (C*) = Flow rate converted for oxygen (Flow meters are calibrated for air)
CF/D (V) = Volume of oxygen injected per day
PSI (M) = Measured pressure
PSIa (P) = Pressure converted to atmospheric pressure.
n = PV/RT = (lb Moles)
lbs = n*32 lb/lb mole
Temperature = Degrees Rankine
R = Constant (0.73)
NA* - System Not Operational
* - Point from the original OU-1 alignment.

System Operating Specs
* Injection point from the original system layout. Operation will be terminated upon approval from the NYSDEC. Once terminated, Injection point 8, 9, 12, and 15 will be connected to the manifold.
Total of 5 injection banks
Banks 1 & 2: Oxygen is injected for 8 minutes during each injection cycle
Each Injection bank operates for 9.6 injection cycles per day
Each injection point injects oxygen for 76.8 min per day (8 min per cycle * 9.6 cycles)
Banks 3, 4, & 5: Oxygen is injected for 10 minutes during each injection cycle
Each Injection bank operates for 9.6 injection cycles per day
Each injection point injects oxygen for 96 min per day (10 min per cycle * 9.6 cycles)

Example
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 708AM
System is recharging 708AM to 730AM
Bank 2 starts injection at 730AM
Bank 2 finishes injection at 738AM
System is recharging 738AM to 800AM
Bank 3 starts injection at 800AM
Bank 3 finishes injection at 810AM
System is recharging from 810AM to 830AM
Bank 4 starts injection at 830AM
Bank 4 Finishes injection at 840AM
System is recharging from 840AM to 900AM
Bank 5 starts injection at 900AM
Bank 5 finishes injection at 910AM
System is recharging from 910AM to 930AM
Bank 6 starts injection at 1000AM
Bank 6 finishes injection at 1010AM
System is recharging from 1010AM to 930AM
note: in injection bank 6, Point 10, 13, and 9 were changed to Point 12, 15, and 16 respectively for the June check.

System Downtime **Days/Hours**

	5/12/2023	5/26/2023	6/21/2023
O_2%	80.2	92.2	80.8
R	10.73	10.73	10.73
Temp R (T)	634	627	629

		Depth	5/12/2023 SCFH (M)	5/12/2023 SCFH (C*)	5/12/2023 CF/D (V)	5/12/2023 PSI (M)	5/12/2023 PSIa (P)	5/12/2023 n=PV/RT lbs O2	5/26/2023 SCFH (M)	5/26/2023 SCFH (C*)	5/26/2023 CF/D (V)	5/26/2023 PSI (M)	5/26/2023 PSIa (P)	5/26/2023 n=PV/RT lbs O2	6/21/2023 SCFH (M)	6/21/2023 SCFH (C*)	6/21/2023 CF/D (V)	6/21/2023 PSI (M)	6/21/2023 PSIa (P)	6/21/2023 n=PV/RT lbs O2
Injection Bank 1	Point 1A*	25	22	24.500	31.360	5.5	20.2	0.075	40	44.545	57.018	5.5	20.2	0.141	40	44.545	57.018	5.5	20.2	0.138
	Point 1B*	35	26	32.975	42.208	11.5	26.2	0.130	36	45.658	58.442	11.5	26.2	0.187	36	45.658	58.442	11.5	26.2	0.183
	Point 2A*	25	21	24.791	31.733	8.0	22.7	0.085	34	40.138	51.377	8.0	22.7	0.142	32	37.359	47.819	7.5	22.2	0.127
	Point 2B*	35	23	29.722	38.044	12.5	27.2	0.122	38	49.106	62.855	12.5	27.2	0.209	36	46.521	59.547	12.5	27.2	0.194
	Point 3A*	25	17	19.395	24.825	6.5	21.2	0.062	36	40.584	51.947	6.0	20.7	0.131	30	33.409	42.763	5.5	20.2	0.103
	Point 3B*	35	26	33.599	43.006	12.5	27.2	0.138	32	41.352	52.931	12.5	27.2	0.176	30	38.768	49.623	12.5	27.2	0.162
	Point 4A*	25	21	25.063	32.080	8.5	23.2	0.088	34	40.578	51.940	8.5	23.2	0.147	26	30.694	39.288	8.0	22.7	0.107
	Point 4B*	35	25	32.602	41.731	13.0	27.7	0.136	32	41.731	53.415	13.0	27.7	0.181	30	38.768	49.623	12.5	27.2	0.162
	Point 5A*	25	25	30.156	38.600	9.0	23.7	0.108	34	41.013	52.496	9.0	23.7	0.152	32	38.191	48.884	8.5	23.2	0.136
	Point 5B*	35	25	32.602	41.731	13.0	27.7	0.136	30	39.122	50.077	13.0	27.7	0.169	32	41.731	53.415	13.0	27.7	0.177
Total Oxygen Injected Per Day (lb)					**34.562**						**52.351**						**47.631**			
Injection Bank 2	Point 1A	15	22	24.500	31.360	5.5	20.2	0.075	36	40.091	51.316	5.5	20.2	0.127	38	41.791	53.492	5.0	19.7	0.126
	Point 1B	25	15	17.708	22.666	8.0	22.7	0.061	38	45.352	58.050	8.5	23.2	0.165	40	47.221	60.443	8.0	22.7	0.164
	Point 2A	15	22	23.886	30.574	4.5	19.2	0.069	32	34.743	44.471	4.5	19.2	0.104	32	34.743	44.471	4.5	19.2	0.102
	Point 2B	25	23	27.152	34.755	8.0	22.7	0.093	32	37.777	48.355	8.0	22.7	0.134	34	40.138	51.377	8.0	22.7	0.140
	Point 3A	15	24	26.057	33.353	4.5	19.2	0.075	30	32.571	41.691	4.5	19.2	0.088	30	32.145	41.145	4.0	18.7	0.092
	Point 3B	25	25	30.473	39.005	9.5	24.2	0.111	30	36.943	47.287	10.0	24.7	0.143	30	36.567	46.806	9.5	24.2	0.136
	Point 4A	15	22	24.500	31.360	5.5	20.2	0.075	32	35.636	45.614	5.5	20.2	0.113	30	32.993	42.231	5.0	19.7	0.100
Total Oxygen Injected Per Day (lb)					**17.888**						**28.247**						**27.507**			
Injection Bank 6	Point 4B	25	19	23.159	37.055	9.5	24.2	0.106	30	36.188	57.900	9.0	23.7	0.168	30	36.188	57.900	9.0	23.7	0.164
	Point 5A	15	13	14.297	22.875	5.0	19.7	0.053	30	32.571	52.114	4.5	19.2	0.122	30	32.571	52.114	4.5	19.2	0.120
	Point 5B	25	20	24.125	38.600	9.0	23.7	0.108	30	35.804	57.286	8.5	23.2	0.162	30	35.416	56.666	8.0	22.7	0.154
	Point 6	25	18	21.940	35.105	9.5	24.2	0.100	30	36.188	57.900	9.0	23.7	0.168	30	36.188	57.900	9.0	23.7	0.164
	Point 7	25	20	24.378	39.005	9.5	24.2	0.111	30	36.188	57.900	9.0	23.7	0.168	30	36.567	58.508	9.5	24.2	0.170
	Point 12	15	30	33.409	53.454	5.5	20.2	0.127	42	46.190	73.904	5.0	19.7	0.178	48	52.788	84.462	5.0	19.7	0.199
	Point 11	25	32	39.005	62.408	9.5	24.2	0.178	42	50.663	81.060	9.0	23.7	0.235	46	55.488	88.780	9.0	23.7	0.252
	Point 15	25	36	43.881	70.209	9.5	24.2	0.200	40	48.250	77.200	9.0	23.7	0.224	40	48.250	77.200	9.0	23.7	0.219
	Point 14	15	34	38.914	59.063	4.5	19.2	0.134	42	45.002	72.004	4.0	18.7	0.165	42	45.002	72.004	4.0	18.7	0.161
	Point 16	16	31	34.093	54.548	5.0	19.7	0.127	40	43.429	69.486	4.5	19.2	0.163	42	45.600	72.960	4.5	19.2	0.168
Total Oxygen Injected Per Day (lb)					**39.813**						**56.042**						**56.669**			
OU-1 System Total Per Day (lb)					**92.26**						**136.64**						**131.81**			

Oxygen Going to OU-3 (Community Road)

		Depth	5/12/2023 SCFH (M)	5/12/2023 SCFH (C*)	5/12/2023 CF/D (V)	5/12/2023 PSI (M)	5/12/2023 PSIa (P)	5/12/2023 n=PV/RT lbs O2	5/26/2023 SCFH (M)	5/26/2023 SCFH (C*)	5/26/2023 CF/D (V)	5/26/2023 PSI (M)	5/26/2023 PSIa (P)	5/26/2023 n=PV/RT lbs O2	6/21/2023 SCFH (M)	6/21/2023 SCFH (C*)	6/21/2023 CF/D (V)	6/21/2023 PSI (M)	6/21/2023 PSIa (P)	6/21/2023 n=PV/RT lbs O2
Injection Bank 2	Point 16	21	23	23.289	29.810	2.0	16.7	0.059	32	31.913	40.849	1.5	16.2	0.081	30	29.919	38.296	1.5	16.2	0.074
	Point 17	21	24	28.950	37.056	9.0	23.7	0.104	30	36.188	46.320	9.0	23.7	0.134	30	36.188	46.320	9.0	23.7	0.131
	Point 29	21	25	29.513	37.777	8.0	22.7	0.101	32	37.777	48.355	8.0	22.7	0.134	32	37.359	47.819	7.5	22.2	0.127
Total Oxygen Injected Per Day (lb)					**8.426**						**11.171**						**10.649**			
Injection Bank 3	Point 18	21	20	23.611	37.777	8.0	22.7	0.101	32	37.777	60.443	8.0	22.7	0.168	32	37.359	59.774	7.5	22.2	0.159
	Point 19A	16	23	26.240	41.984	6.5	21.2	0.105	32	36.074	57.719	6.0	20.7	0.146	30	33.820	54.112	6.0	20.7	0.134
	Point 19B	27	23	28.323	45.317	10.0	24.7	0.132	32	39.005	62.408	9.5	24.2	0.185	32	39.005	62.408	9.5	24.2	0.181
	Point 25A	16	24	29.852	47.764	10.5	25.2	0.142	40	43.429	69.486	4.5	19.2	0.163	38	40.716	65.146	4.0	18.7	0.146
	Point 26A	16	22	25.099	40.158	6.5	21.2	0.100	30	33.820	54.112	6.0	20.7	0.137	30	34.226	54.761	6.5	21.2	0.139
	Point 26B	27	25	31.096	49.754	10.5	25.2	0.148	40	44.545	71.272	5.5	20.2	0.176	42	46.190	73.904	5.0	19.7	0.174
	Point 27A	16	22	24.801	39.682	6.0	20.7	0.097	32	34.743	55.589	4.5	19.2	0.130	30	32.993	52.788	5.0	19.7	0.124
	Point 27B	27	24	29.852	47.764	10.5	25.2	0.142	30	37.315	59.704	10.5	25.2	0.184	32	40.196	64.313	11.0	25.7	0.198
	Point 28A	16	20	22.817	36.508	6.5	21.2	0.091	34	38.329	61.327	6.0	20.7	0.155	32	35.636	57.018	5.5	20.2	0.138
	Point 28B	27	25	31.403	50.245	11.0	25.7	0.152	30	37.684	60.294	11.0	25.7	0.189	30	37.315	59.704	10.5	25.2	0.180
Total Oxygen Injected Per Day (lb)					**38.729**						**52.242**						**50.345**			
Injection Bank 4	Point 20A	16	26	30.010	48.016	7.0	21.7	0.123	32	36.508	58.412	6.5	21.2	0.151	30	34.226	54.761	6.5	21.2	0.139
	Point 21B	27	29	36.071	57.714	10.5	25.2	0.171	30	36.943	59.109	10.0	24.7	0.178	30	36.567	58.508	9.5	24.2	0.170
	Point 22A	16	24	27.381	43.809	6.5	21.2	0.109	36	41.071	65.714	6.5	21.2	0.170	30	34.226	54.761	6.5	21.2	0.139
	Point 22B	27	24	30.439	48.702	11.5	26.2	0.150	34	43.122	68.995	11.5	26.2	0.221	30	37.684	60.294	11.0	25.7	0.186
	Point 23A	16	24	27.056	43.289	6.0	20.7	0.106	34	37.683	60.581	5.5	20.2	0.150	32	35.636	57.018	5.5	20.2	0.138
	Point 23C	11	20	21.714	34.743	4.5	19.2	0.079	34	36.430	58.289	4.0	18.7	0.133	28	29.598	47.356	3.5	18.2	0.103
	Point 24B	27	23	28.891	46.225	11.0	25.7	0.140	32	40.196	64.313	11.0	25.7	0.202	30	37.315	59.704	10.5	25.2	0.180
	Point 31A	11	25	27.143	43.429	4.5	19.2	0.098	32	34.287	54.860	4.0	18.7	0.125	30	31.712	50.739	3.5	18.2	0.111
	Point 32B	21	21	25.063	40.100	8.5	23.2	0.110	38	44.363	70.981	7.5	22.2	0.193	34	40.138	64.221	8.0	22.7	0.175
	Point 33B	21	26	25.526	40.842	1.0	15.7	0.076	32	30.400	48.640	0.0	14.7	0.087	26	24.700	39.520	0.0	14.7	0.070
Total Oxygen Injected Per Day (lb)					**37.188**						**51.541**						**45.082**			
Injection Bank 5	Point 20B	27	25	31.403	50.245	11.0	25.7	0.152	30	37.684	60.294	11.0	25.7	0.189	32	39.803	63.685	10.5	25.2	0.192
	Point 21A	16	23	25.929	41.486	6.0	20.7	0.101	30	34.226	54.761	6.5	21.2	0.142	32	35.636	57.018	5.5	20.2	0.138
	Point 23B	27	22	26.816	42.906	9.5	24.2	0.122	32	39.005	62.408	9.5	24.2	0.185	32	38.600	61.760	9.0	23.7	0.175
	Point 24A	16	20	22.817	36.508	6.5	21.2	0.091	38	43.353	69.364	6.5	21.2	0.180	40	45.093	72.149	6.0	20.7	0.179
	Point 25B	27	20	22.817	36.508	6.5	21.2	0.091	40	45.093	72.149	6.0	20.7	0.182	40	44.545	71.272	5.5	20.2	0.172
	Point 31B	33	23	29.722	47.555	12.5	27.2	0.152	40	51.690	82.705	12.5	27.2	0.275	40	51.690	82.705	12.5	27.2	0.269
	Point 32A	11	23	24.971	39.954	4.5	19.2	0.090	32	34.287	54.860	4.0	18.7	0.125	36	38.054	60.887	3.5	18.2	0.133
	Point 32C	33	26	33.906	54.250	13.0	27.7	0.177	32	41.731	66.769	13.0	27.7	0.226	32	42.106	67.369	13.5	28.2	0.227
	Point 33A	11	23	23.289	37.262	2.0	16.7	0.073	32	32.402	51.843	2.0	16.7	0.106	34	34.427	55.084	2.0	16.7	0.110
	Point 33C	33	24	23.935	38.296	1.5	16.2	0.073	30	29.919	47.870	1.5	16.2	0.095	32	31.913	51.061	1.5	16.2	0.099
Total Oxygen Injected Per Day (lb)					**35.999**						**54.546**						**54.240**			
OU-3 System Total Per Day (lb)					**120.34**						**169.50**						**160.32**			

Appendix C. OU-1 Oxygen Injection System Operational Data
Table C-3. OU-1 North Third Quarter 2022 System Not Operational for the Quarter
National Grid Bay Shore/Brightwaters Former MGP Site

Weight of Oxygen Injected through Q2 2022 332,163 lbs

Oxygen to OU-1 North

	Operational Days		Oxygen Injected Per Month (lbs)
Month 1	Jul-22	0	0
Month 2	Aug-22	0	0
Month 3	Sep-22	0	0
Total Operational Days in Q3 2022			0
Total Oxygen in Q3 2022 (lbs)			0.00
Running Total for Oxygen to OU-1 North Through Q3 2022 (lbs)			**332,163.14**

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

System Operating Specs
Total of 6 injection banks
Oxygen is injected for 13 minutes during each injection cycle
Each Injection bank operates for 4 injection cycles per day
Each injection point injects oxygen for 52 min per day (13 min per cycle * 4 cycles)

Example
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 713AM
System is recharging 713AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 813AM
System is recharging 813AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 913AM
System is recharging from 913AM to 1000AM
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1013AM
System is recharging from 1013AM to 1100AM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1113AM
System is recharging from 1113AM to 1200PM
Bank 6 starts injection at 1200PM
Bank 6 finishes injection at 12113M
System is recharging from 1213PM to 100PM
(Keep repeating cycle for course of day)

	O_2%													
	R		10.73						10.73					
	Temp R (T)													
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 1	Point 1A	10.5	30	30.377	26.327	2.0	16.7	#VALUE!	21	21.264	18.429	2.0	16.7	#VALUE!
	Point 1B	25.5	26	30.694	26.601	8.0	22.7	#VALUE!	20	23.611	20.463	8.0	22.7	#VALUE!
	Point 1C	40.5	29	39.160	33.939	15.0	29.7	#VALUE!	23	30.795	26.689	14.5	29.2	#VALUE!
	Point 1D	50.5	28	39.975	34.645	18.5	33.2	#VALUE!	20	28.554	24.747	18.5	33.2	#VALUE!
	Point 2A	10.5	11	10.970	9.508	1.5	16.2	#VALUE!	16	15.957	13.829	1.5	16.2	#VALUE!
	Point 2B	25.5	33	38.526	33.389	7.5	22.2	#VALUE!	22	25.393	22.007	7.0	21.7	#VALUE!
	-	-	-	-	-	-	-	-		-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)		**#VALUE!**						**#VALUE!**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 2	Point 2C	40.5	28	37.810	32.768	15.0	29.7	#VALUE!	24	32.134	27.850	14.5	29.2	#VALUE!
	Point 2D	50.5	27	38.837	33.659	19.0	33.7	#VALUE!	19	27.330	23.686	19.0	33.7	#VALUE!
	Point 3A	10.5	10	9.500	8.233	0.0	14.7	#VALUE!	10	9.500	8.233	0.0	14.7	#VALUE!
	Point 3B	25.5	27	31.874	27.624	8.0	22.7	#VALUE!	16	18.889	16.370	8.0	22.7	#VALUE!
	Point 3C	40.5	28	37.490	32.491	14.5	29.2	#VALUE!	22	29.456	25.529	14.5	29.2	#VALUE!
	Point 3D	50.5	28	42.030	36.426	22.0	36.7	#VALUE!	17	25.344	21.964	21.5	36.2	#VALUE!
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)		**#VALUE!**						**#VALUE!**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 3	Point 4A	10.5	26	28.594	24.781	5.0	19.7	#VALUE!	20	21.430	18.572	4.0	18.7	#VALUE!
	Point 4B	25.5	29	34.610	29.996	8.5	23.2	#VALUE!	20	23.611	20.463	8.0	22.7	#VALUE!
	Point 4C	40.5	24	32.134	27.850	14.5	29.2	#VALUE!	12	16.067	13.925	14.5	29.2	#VALUE!
	Point 4D	50.5	26	37.949	32.889	20.0	34.7	#VALUE!	26	37.675	32.652	19.5	34.2	#VALUE!
	Point 5A	10.5	10	9.973	8.643	1.5	16.2	#VALUE!	22	21.940	19.015	1.5	16.2	#VALUE!
	Point 5B	25.5	24	28.019	24.283	7.5	22.2	#VALUE!	10	11.542	10.003	7.0	21.7	#VALUE!
	-	-	-	-	-	-	-	-		-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)		**#VALUE!**						**#VALUE!**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 4	Point 5C	40.5	31	42.559	36.885	16.0	30.7	#VALUE!	22	30.203	26.176	16.0	30.7	#VALUE!
	Point 5D	50.5	30	43.152	37.398	19.0	33.7	#VALUE!	21	30.206	26.179	19.0	33.7	#VALUE!
	Point 6A	10.5	28	29.598	25.651	3.5	18.2	#VALUE!	18	18.764	16.262	3.0	17.7	#VALUE!
	Point 6B	25.5	30	35.024	30.354	7.5	22.2	#VALUE!	21	24.517	21.248	7.5	22.2	#VALUE!
	Point 6C	40.5	27	36.151	31.331	14.5	29.2	#VALUE!	21	28.117	24.368	14.5	29.2	#VALUE!
	Point 6D	50.5	29	41.090	35.611	18.0	32.7	#VALUE!	14	19.837	17.192	18.0	32.7	#VALUE!
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)		**#VALUE!**						**#VALUE!**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 5	Point 7A	10.5	25	24.545	21.272	1.0	15.7	#VALUE!	10	9.500	8.233	0.0	14.7	#VALUE!
	Point 7B	25.5	25	29.513	25.578	8.0	22.7	#VALUE!	11	12.986	11.254	8.0	22.7	#VALUE!
	Point 7C	40.5	26	35.403	30.683	15.5	30.2	#VALUE!	24	32.680	28.323	15.5	30.2	#VALUE!
	Point 7D	50.5	28	39.975	34.645	18.5	33.2	#VALUE!	12	17.132	14.848	18.5	33.2	#VALUE!
	Point 8A	10.5	27	28.541	24.735	3.5	18.2	#VALUE!	10	10.571	9.161	3.5	18.2	#VALUE!
	Point 8B	25.5	27	31.521	27.319	7.5	22.2	#VALUE!	26	30.010	26.009	7.0	21.7	#VALUE!
	Point 8C	40.5	28	36.842	31.930	13.5	28.2	#VALUE!	14	18.421	15.965	13.5	28.2	#VALUE!
	Point 8D	50.5	25	35.960	31.165	19.0	33.7	#VALUE!	17	24.453	21.192	19.0	33.7	#VALUE!
	Total Oxygen Injected Per Day (lb)		**#VALUE!**						**#VALUE!**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 6	Point 9A	10.5	22	20.900	18.113	0.0	14.7	#VALUE!	10	9.500	8.233	0.0	14.7	#VALUE!
	Point 9B	25.5	29	37.818	32.776	13.0	27.7	#VALUE!	15	17.708	15.347	8.0	22.7	#VALUE!
	Point 9C	40.5	29	38.158	33.070	13.5	28.2	#VALUE!	16	21.053	18.246	13.5	28.2	#VALUE!
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)		**#VALUE!**						**#VALUE!**					
	System Total Per Day (lb)		**#VALUE!**						**#VALUE!**					

Appendix B. OU-1 Oxygen Injection System Operational Data
Table B-3. OU-1 North Fourth Quarter 2022
National Grid Bay Shore/Brightwaters Former MGP Site

Weight of Oxygen Injected through Q3 2022 332,163 lbs

Oxygen to OU-1 North

	Operational Days		Oxygen Injected Per Month (lbs)
Month 1	Oct-22	13	2,313
Month 2	Nov-22	30	3,650
Month 3	Dec-22	31	3,772
Total Operational Days in Q4 2022			74
Total Oxygen in Q4 2022 (lbs)			9,735.29
Running Total for Oxygen to OU-1 North Through Q4 2022 (lbs)			**341,898.43**

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

System Operating Specs
Total of 6 injection banks
Oxygen is injected for 13 minutes during each injection cycle
Each Injection bank operates for 4 injection cycles per day
Each injection point injects oxygen for 52 min per day (13 min per cycle * 4 cycles)

Example
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 713AM
System is recharging 713AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 813AM
System is recharging 813AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 913AM
System is recharging from 913AM to 1000AM
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1013AM
System is recharging from 1013AM to 1100AM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1113AM
System is recharging from 1113AM to 1200PM
Bank 6 starts injection at 1200PM
Bank 6 finishes injection at 12113M
System is recharging from 1213PM to 100PM
(Keep repeating cycle for course of day)

			11/29/2022						12/23/2022					
		O_2%	85.7						85.5					
		R	10.73						10.73					
		Temp R (T)	618						596					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 1	Point 1A	10.5	40	39.892	34.573	1.5	16.2	0.072	33	33.415	28.959	2.0	16.7	0.065
	Point 1B	25.5	44	51.368	44.519	7.5	22.2	0.128	30	35.024	30.354	7.5	22.2	0.090
	Point 1C	40.5	33	43.805	37.964	14.0	28.7	0.141	36	48.201	41.774	14.5	29.2	0.163
	Point 1D	50.5	39	55.680	48.256	18.5	33.2	0.207	28	39.975	34.645	18.5	33.2	0.154
	Point 2A	10.5	18	17.100	14.820	0.0	14.7	0.028	10	9.818	8.509	1.0	15.7	0.018
	Point 2B	25.5	44	45.215	39.186	2.5	17.2	0.087	30	34.226	29.662	6.5	21.2	0.084
	-	-	-	-	-	-	-	-		-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)			**21.224**						**18.354**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 2	Point 2C	40.5	38	50.879	44.095	14.5	29.2	0.166	30	40.168	34.812	14.5	29.2	0.136
	Point 2D	50.5	31	44.258	38.357	18.5	33.2	0.165	26	37.398	32.412	19.0	33.7	0.146
	Point 3A	10.5	42	39.900	34.580	0.0	14.7	0.066	11	10.450	9.057	0.0	14.7	0.018
	Point 3B	25.5	42	48.478	42.014	7.0	21.7	0.118	28	32.689	28.330	7.5	22.2	0.084
	Point 3C	40.5	38	50.442	43.716	14.0	28.7	0.162	30	40.168	34.812	14.5	29.2	0.136
	Point 3D	50.5	38	56.258	48.757	21.0	35.7	0.225	31	46.215	40.053	21.5	36.2	0.194
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)			**28.852**						**22.834**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 3	Point 4A	10.5	44	47.145	40.859	4.0	18.7	0.099	31	33.216	28.787	4.0	18.7	0.072
	Point 4B	25.5	52	61.388	53.203	8.0	22.7	0.156	32	37.777	32.740	8.0	22.7	0.099
	Point 4C	40.5	60	79.645	69.025	14.0	28.7	0.256	30	40.168	34.812	14.5	29.2	0.136
	Point 4D	50.5	38	55.063	47.721	19.5	34.2	0.211	30	43.471	37.675	19.5	34.2	0.172
	Point 5A	10.5	39	37.050	32.110	0.0	14.7	0.061	13	12.350	10.703	0.0	14.7	0.021
	Point 5B	25.5	60	69.254	60.020	7.0	21.7	0.168	32	36.936	32.011	7.0	21.7	0.093
	-	-	-	-	-	-	-	-		-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)			**30.436**						**18.989**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 4	Point 5C	40.5	50	68.083	59.005	15.5	30.2	0.230	30	40.850	35.403	15.5	30.2	0.143
	Point 5D	50.5	50	71.385	61.867	18.5	33.2	0.265	30	43.152	37.398	19.0	33.7	0.169
	Point 6A	10.5	52	54.207	46.979	3.0	17.7	0.107	29	30.655	26.568	3.5	18.2	0.065
	Point 6B	25.5	48	55.403	48.016	7.0	21.7	0.135	32	37.359	32.378	7.5	22.2	0.096
	Point 6C	40.5	44	58.406	50.619	14.0	28.7	0.188	32	42.846	37.133	14.5	29.2	0.145
	Point 6D	50.5	42	59.053	51.179	17.5	32.2	0.213	29	40.775	35.338	17.5	32.2	0.152
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)			**36.436**						**24.617**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 5	Point 7A	10.5	48	45.600	39.520	0.0	14.7	0.075	10	9.500	8.233	0.0	14.7	0.016
	Point 7B	25.5	100	116.746	101.180	7.5	22.2	0.290	34	40.138	34.786	8.0	22.7	0.106
	Point 7C	40.5	19	25.656	22.236	15.0	29.7	0.085	32	43.573	37.763	15.5	30.2	0.152
	Point 7D	50.5	90	127.521	110.518	18.0	32.7	0.467	36	51.008	44.207	18.0	32.7	0.193
	Point 8A	10.5	34	35.443	30.717	3.0	17.7	0.070	33	35.359	30.644	4.0	18.7	0.077
	Point 8B	25.5	0	0.000	0.000	6.5	21.2	0.000	23	26.547	23.008	7.0	21.7	0.067
	Point 8C	40.5	82	106.935	92.677	13.0	27.7	0.332	32	41.731	36.167	13.0	27.7	0.134
	Point 8D	50.5	25	35.692	30.933	18.5	33.2	0.133	32	45.686	39.595	18.5	33.2	0.176
Total Oxygen Injected Per Day (lb)			**46.482**						**29.458**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 6	Point 9A	10.5	58	55.100	47.753	0.0	14.7	0.091	10	9.500	8.233	0.0	14.7	0.016
	Point 9B	25.5	48	56.038	48.566	7.5	22.2	0.139	28	33.055	28.648	8.0	22.7	0.087
	Point 9C	40.5	55	71.724	62.161	13.0	27.7	0.223	30	39.474	34.211	13.5	28.2	0.129
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)			**14.483**						**7.427**					
System Total Per Day (lb)			**177.91**						**121.68**					

Appendix B. OU-1 Oxygen Injection System Operational Data
Table B-3. OU-1 North First Quarter 2023
National Grid Bay Shore/Brightwaters Former MGP Site

Weight of Oxygen Injected through Q4 2022 341,898 lbs

Oxygen to OU-1 North

	Operational Days		Oxygen Injected Per Month (lbs)
Month 1-3	Jan-Feb-23	60	7,286
Total Operational Days in Q1 2023			60
Total Oxygen in Q1 2023 (lbs)			7,285.67
Running Total for Oxygen to OU-1 North Through Q1 2023 (lbs)			**349,184.10**

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

System Operating Specs
Total of 6 injection banks
Oxygen is injected for 13 minutes during each injection cycle
Each Injection bank operates for 4 injection cycles per day
Each injection point injects oxygen for 52 min per day (13 min per cycle * 4 cycles)

Example
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 713AM
System is recharging 713AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 813AM
System is recharging 813AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 913AM
System is recharging from 913AM to 1000AM
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1013AM
System is recharging from 1013AM to 1100AM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1113AM
System is recharging from 1113AM to 1200PM
Bank 6 starts injection at 1200PM
Bank 6 finishes injection at 12113M
System is recharging from 1213PM to 100PM
(Keep repeating cycle for course of day)

		1/24/2023
	O_2%	84.8
	R	10.73
	Temp R (T)	598

		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 1	Point 1A	10.5	30	30.828	26.718	2.5	17.2	0.061
	Point 1B	25.5	28	33.055	28.648	8.0	22.7	0.086
	Point 1C	40.5	26	34.812	30.170	14.5	29.2	0.116
	Point 1D	50.5	26	37.120	32.171	18.5	33.2	0.141
	Point 2A	10.5	10	9.500	8.233	0.0	14.7	0.016
	Point 2B	25.5	30	34.627	30.010	7.0	21.7	0.086
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)			**16.202**					

		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 2	Point 2C	40.5	30	40.168	34.812	14.5	29.2	0.134
	Point 2D	50.5	30	43.152	37.398	19.0	33.7	0.167
	Point 3A	10.5	20	19.000	16.467	0.0	14.7	0.032
	Point 3B	25.5	36	42.499	36.833	8.0	22.7	0.110
	Point 3C	40.5	30	40.168	34.812	14.5	29.2	0.134
	Point 3D	50.5	34	50.687	43.929	21.5	36.2	0.210
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)			**25.213**					

		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 3	Point 4A	10.5	30	32.571	28.229	4.5	19.2	0.072
	Point 4B	25.5	30	35.024	30.354	7.5	22.2	0.089
	Point 4C	40.5	36	48.201	41.774	14.5	29.2	0.161
	Point 4D	50.5	30	43.471	37.675	19.5	34.2	0.170
	Point 5A	10.5	10	9.500	8.233	0.0	14.7	0.016
	Point 5B	25.5	34	39.694	34.401	7.5	22.2	0.101
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)			**19.491**					

		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 4	Point 5C	40.5	30	41.187	35.695	16.0	30.7	0.145
	Point 5D	50.5	30	43.152	37.398	19.0	33.7	0.167
	Point 6A	10.5	30	31.712	27.484	3.5	18.2	0.066
	Point 6B	25.5	30	35.024	30.354	7.5	22.2	0.089
	Point 6C	40.5	30	40.168	34.812	14.5	29.2	0.134
	Point 6D	50.5	30	42.181	36.557	17.5	32.2	0.156
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)			**24.207**					

		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 5	Point 7A	10.5	10	9.500	8.233	0.0	14.7	0.016
	Point 7B	25.5	32	37.777	32.740	8.0	22.7	0.098
	Point 7C	40.5	30	40.850	35.403	15.5	30.2	0.141
	Point 7D	50.5	32	45.686	39.595	18.5	33.2	0.174
	Point 8A	10.5	30	31.273	27.103	3.0	17.7	0.063
	Point 8B	25.5	30	34.226	29.662	6.5	21.2	0.083
	Point 8C	40.5	34	44.737	38.772	13.5	28.2	0.144
	Point 8D	50.5	34	48.906	42.385	19.0	33.7	0.189
Total Oxygen Injected Per Day (lb)			**29.089**					

		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 6	Point 9A	10.5	10	9.500	8.233	0.0	14.7	0.016
	Point 9B	25.5	30	35.024	30.354	7.5	22.2	0.089
	Point 9C	40.5	30	38.768	33.599	12.5	27.2	0.121
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)			**7.227**					
System Total Per Day (lb)			**121.43**					

Weight of Oxygen Injected through Q1 2023 349,184 lbs

Oxygen to OU-1 North

	Operational Days		Oxygen Injected Per Month (lbs)
Month 1	Apr-23	29	3,298
Month 2	May-23	31	3,425
Month 3	Jun-23	30	3,315
Total Operational Days in Q2 2023			90
Total Oxygen in Q2 2023 (lbs)			10,038.06
Running Total for Oxygen to OU-1 North Through Q2 2023 (lbs)			**359,222.17**

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

System Operating Specs
Total of 6 injection banks
Oxygen is injected for 13 minutes during each injection cycle
Each Injection bank operates for 4 injection cycles per day
Each injection point injects oxygen for 52 min per day (13 min per cycle * 4 cycles)

Example
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 713AM
System is recharging 713AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 813AM
System is recharging 813AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 913AM
System is recharging from 913AM to 1000AM
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1013AM
System is recharging from 1013AM to 1100AM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1113AM
System is recharging from 1113AM to 1200PM
Bank 6 starts injection at 1200PM
Bank 6 finishes injection at 1213PM
System is recharging from 1213PM to 100PM
(Keep repeating cycle for course of day)

			5/5/2023						6/5/2023						6/20/2023					
		O_2%	80.5						82.7						85.7					
		R	10.73						10.73						10.73					
		Temp R (T)	616						643						643					
		Depth	SCFH (M)	SCFH (*C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (*C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (*C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 1	Point 1A	10.5	10	10.126	8.776	2.0	16.7	0.018	20	21.430	18.572	4.0	18.7	0.042	26	27.484	23.819	3.5	18.2	0.052
	Point 1B	25.5	46	54.304	47.064	8.0	22.7	0.130	40	46.698	40.472	7.5	22.2	0.108	26	30.354	26.307	7.5	22.2	0.070
	Point 1C	40.5	42	56.714	49.152	15.0	29.7	0.178	32	42.846	37.133	14.5	29.2	0.130	38	50.442	43.718	14.0	28.7	0.150
	Point 1D	50.5	50	71.920	62.331	19.0	33.7	0.256	40	57.108	49.493	18.5	33.2	0.197	34	48.541	42.068	18.5	33.2	0.167
	Point 2A	10.5	50	50.628	43.878	2.0	16.7	0.089	40	38.000	32.933	0.0	14.7	0.068	16	15.200	13.173	0.0	14.7	0.023
	Point 2B	25.5	44	50.786	44.015	7.0	21.7	0.116	40	45.634	39.550	6.5	21.2	0.101	40	46.169	40.014	7.0	21.7	0.104
	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
	Total Oxygen Injected Per Day (lb)		**25.189**						**20.313**						**18.146**					
		Depth	SCFH (M)	SCFH (*C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (*C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (*C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 2	Point 2C	40.5	26	34.812	30.170	14.5	29.2	0.107	30	40.168	34.812	14.5	29.2	0.122	30	40.168	34.812	14.5	29.2	0.122
	Point 2D	50.5	28	40.275	34.905	19.0	33.7	0.143	30	42.507	36.839	18.0	32.7	0.144	28	39.975	34.645	18.5	33.2	0.138
	Point 3A	10.5	13	12.350	10.703	0.0	14.7	0.019	10	9.500	8.233	0.0	14.7	0.015	12	11.400	9.880	0.0	14.7	0.017
	Point 3B	25.5	26	30.694	26.601	8.0	22.7	0.074	30	35.024	30.354	7.5	22.2	0.081	34	40.138	34.786	8.0	22.7	0.095
	Point 3C	40.5	33	44.185	38.293	14.5	29.2	0.136	30	39.822	34.513	14.0	28.7	0.119	30	39.822	34.513	14.0	28.7	0.119
	Point 3D	50.5	33	49.535	42.930	22.0	36.7	0.192	30	44.724	38.761	21.5	36.2	0.168	32	47.706	41.345	21.5	36.2	0.179
	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
	Total Oxygen Injected Per Day (lb)		**21.463**						**20.750**						**21.437**					
		Depth	SCFH (M)	SCFH (*C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (*C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (*C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 3	Point 4A	10.5	26	28.229	24.465	4.5	19.2	0.057	30	32.571	28.229	4.5	19.2	0.065	30	32.145	27.859	4.0	18.7	0.062
	Point 4B	25.5	30	35.804	31.030	8.5	23.2	0.088	30	35.416	30.694	8.0	22.7	0.084	30	35.416	30.694	8.0	22.7	0.084
	Point 4C	40.5	24	32.134	27.850	14.5	29.2	0.099	30	39.822	34.513	14.0	28.7	0.119	30	39.822	34.513	14.0	28.7	0.119
	Point 4D	50.5	30	43.788	37.949	20.0	34.7	0.160	30	43.471	37.675	19.5	34.2	0.154	30	43.471	37.675	19.5	34.2	0.154
	Point 5A	10.5	10	9.500	8.233	0.0	14.7	0.015	10	9.500	8.233	0.0	14.7	0.015	10	9.500	8.233	0.0	14.7	0.015
	Point 5B	25.5	23	26.852	23.271	7.5	22.2	0.063	30	34.627	30.010	7.0	21.7	0.078	34	39.244	34.012	7.0	21.7	0.088
	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
	Total Oxygen Injected Per Day (lb)		**15.423**						**16.455**						**16.707**					
		Depth	SCFH (M)	SCFH (*C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (*C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (*C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 4	Point 5C	40.5	28	38.441	33.315	16.0	30.7	0.125	30	40.850	35.403	15.5	30.2	0.128	30	40.850	35.403	15.5	30.2	0.128
	Point 5D	50.5	29	41.714	36.152	19.0	33.7	0.148	32	45.686	39.595	18.5	33.2	0.158	30	42.831	37.120	18.5	33.2	0.148
	Point 6A	10.5	28	30.002	26.001	4.0	18.7	0.059	32	33.358	28.910	3.0	17.7	0.061	30	31.273	27.103	3.0	17.7	0.058
	Point 6B	25.5	30	35.024	30.354	7.5	22.2	0.082	40	46.698	40.472	7.5	22.2	0.108	30	35.024	30.354	7.5	22.2	0.081
	Point 6C	40.5	31	41.861	36.279	15.0	29.7	0.131	34	45.523	39.454	14.5	29.2	0.138	30	40.168	34.812	14.5	29.2	0.122
	Point 6D	50.5	28	39.673	34.383	18.0	32.7	0.137	34	47.805	41.431	17.5	32.2	0.160	30	42.181	36.557	17.5	32.2	0.141
	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
	Total Oxygen Injected Per Day (lb)		**21.837**						**24.088**						**21.667**					
		Depth	SCFH (M)	SCFH (*C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (*C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (*C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 5	Point 7A	10.5	18	17.100	14.820	0.0	14.7	0.027	10	9.500	8.233	0.0	14.7	0.015	10	9.500	8.233	0.0	14.7	0.015
	Point 7B	25.5	32	37.777	32.740	8.0	22.7	0.091	30	35.024	30.354	7.5	22.2	0.081	32	37.359	32.378	7.5	22.2	0.086
	Point 7C	40.5	32	43.211	37.449	15.0	29.7	0.135	30	40.850	35.403	15.5	30.2	0.128	32	43.573	37.763	15.5	30.2	0.137
	Point 7D	50.5	32	44.993	38.994	17.5	32.2	0.153	30	41.852	36.272	17.0	31.7	0.138	30	42.507	36.839	18.0	32.7	0.144
	Point 8A	10.5	32	32.402	28.082	2.0	16.7	0.057	30	31.273	27.103	3.0	17.7	0.058	32	33.358	28.910	3.0	17.7	0.061
	Point 8B	25.5	20	23.085	20.007	7.0	21.7	0.053	32	36.508	31.640	6.5	21.2	0.080	40	45.634	39.550	6.5	21.2	0.101
	Point 8C	40.5	32	41.731	36.167	13.0	27.7	0.122	30	39.122	33.906	13.0	27.7	0.113	38	49.555	42.948	13.0	27.7	0.143
	Point 8D	50.5	14	19.531	16.927	17.0	31.7	0.065	30	42.831	37.120	18.5	33.2	0.148	32	45.688	39.595	18.5	33.2	0.158
	Total Oxygen Injected Per Day (lb)		**22.489**						**24.303**						**27.001**					
		Depth	SCFH (M)	SCFH (*C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (*C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (*C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 6	Point 9A	10.5	12	11.400	9.880	0.0	14.7	0.018	10	9.500	8.233	0.0	14.7	0.015	10	9.500	8.233	0.0	14.7	0.015
	Point 9B	25.5	30	35.416	30.694	8.0	22.7	0.085	20	23.349	20.236	7.5	22.2	0.054	20	23.349	20.236	7.5	22.2	0.054
	Point 9C	40.5	32	42.106	36.491	13.5	28.2	0.125	20	26.082	22.604	13.0	27.7	0.075	26	34.513	29.911	14.0	28.7	0.103
	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
	Total Oxygen Injected Per Day (lb)		**7.292**						**4.589**						**5.480**					
	System Total Per Day (lb)		**113.71**						**110.50**						**110.44**					

Appendix C

OU-2 Oxygen Injection System Operational Data

Appendix C. OU-2 Oxygen Injection System Operational Data
Table C-1. OU-2 Garner Lane Third Quarter 2022
National Grid Bay Shore/Brightwaters Former MGP Site

Weight of Oxygen Injected through Q2 2022 1,320,281 lbs

Oxygen to OU-2 - Garner Lane

	Operational Days		Oxygen Injected Per Month (lbs)
Month 1	Jul-22	31	1,344
Month 2	Aug-22	31	1,523
Month 3	Sep-22	30	1,424
Total Operational Days in Q3 2022			92
Total Oxygen in Q3 2022			4,290.24
Running Total for Oxygen to Garner Lane Through Q3 2022 (lbs)			**1,324,571.36**

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

System Operating Specs
Total of 6 injection banks
Oxygen is injected for 16 minutes during each injection cycle
Each injection bank operates for 4 injection cycles per day
Each injection point injects oxygen for 64 min per day (16 min per cycle * 4 cycles)

Example
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 716AM
System is recharging 716AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 816AM
System is recharging 816AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 916AM
System is recharging from 916AM to 1000AM
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1016AM
System is recharging from 1016AM to 1100AM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1116AM
System is recharging from 1116AM to 1200PM
Bank 6 starts injection at 1200PM
Bank 6 finishes injection at 1216PM
System is recharging from 1216PM to 100PM
(Keep repeating cycle for course of day)

System Downtime

			7/15/2022						8/16/2022						9/12/2022					
		O_2%	31.1						32.0						32.5					
		R	10.73						10.73						10.73					
		Temp R (T)	627						627						621					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n-PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n-PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n-PV/RT lbs O2
MID PLUME Injection Bank 1	Point 1	25	24	29.555	31.525	10.0	24.7	0.036	23	27.152	28.962	8.0	22.7	0.031	23	27.152	28.962	8.0	22.7	0.032
	Point 2	25	24	27.702	29.548	7.0	21.7	0.030	23	26.547	28.317	7.0	21.7	0.029	24	28.019	29.887	7.5	22.2	0.032
	Point 3	25	24	27.702	29.548	7.0	21.7	0.030	22	25.393	27.086	7.0	21.7	0.028	24	27.702	29.548	7.0	21.7	0.031
	Point 4	25	25	28.856	30.760	7.0	21.7	0.031	23	26.240	27.989	6.5	21.2	0.028	24	27.702	29.548	7.0	21.7	0.031
	Point 5	25	24	27.702	29.548	7.0	21.7	0.030	24	27.702	29.548	7.0	21.7	0.030	24	27.702	29.548	7.0	21.7	0.031
	Point 6	25	24	28.333	30.222	8.0	22.7	0.032	24	27.702	29.548	7.0	21.7	0.030	25	29.513	31.481	8.0	22.7	0.035
	Point 7	25	22	20.900	22.293	0.0	14.7	0.015	22	20.900	22.293	0.0	14.7	0.016	24	22.800	24.320	0.0	14.7	0.017
	Point 8	25	25	29.186	31.132	7.5	22.2	0.032	24	27.702	29.548	7.0	21.7	0.030	24	27.702	29.548	7.0	21.7	0.031
	Point 9	50	34	48.906	52.166	19.0	33.7	0.081	32	46.369	49.460	19.5	34.2	0.080	36	51.792	55.235	19.0	33.7	0.091
	Point 10	25	23	25.613	27.321	5.5	20.2	0.026	23	26.240	27.989	6.5	21.2	0.028	25	28.522	30.423	6.5	21.2	0.031
Total Oxygen Injected Per Day (lb)			**10.924**						**10.638**						**11.650**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n-PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n-PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n-PV/RT lbs O2
MID PLUME Injection Bank 2	Point 11	25	24	28.019	29.887	7.5	22.2	0.031	26	30.354	32.378	7.5	22.2	0.034	24	28.019	29.887	7.5	22.2	0.032
	Point 12	50	33	47.818	51.006	19.5	34.2	0.081	48	69.043	73.646	19.0	33.7	0.118	41	58.974	62.906	19.0	33.7	0.103
	Point 13	25	22	25.393	27.086	7.0	21.7	0.027	24	27.702	29.548	7.0	21.7	0.030	27	30.803	32.857	6.5	21.2	0.034
	Point 14	68	40	64.002	68.269	27.0	41.7	0.132	44	70.402	75.096	27.0	41.7	0.149	32	51.202	54.615	27.0	41.7	0.111
	Point 15	25	23	27.152	28.962	8.0	22.7	0.030	26	30.694	32.740	8.0	22.7	0.035	24	28.019	29.887	7.5	22.2	0.032
	Point 16	50	32	46.029	49.097	19.0	33.7	0.076	39	56.512	60.280	19.5	34.2	0.098	38	54.659	58.303	19.0	33.7	0.096
	Point 17	25	21	24.517	26.151	7.5	22.2	0.027	25	29.186	31.132	7.5	22.2	0.033	25	29.186	31.132	7.5	22.2	0.034
	Point 18	66	32	53.011	56.545	30.0	44.7	0.117	21	34.789	37.108	30.0	44.7	0.079	25	40.714	43.429	28.5	43.2	0.092
	Point 19	25	21	24.239	25.855	7.0	21.7	0.026	25	28.856	30.780	7.0	21.7	0.032	36	41.553	44.323	7.0	21.7	0.047
	Point 20	50	34	48.906	52.166	19.0	33.7	0.081	36	51.997	54.823	18.5	33.2	0.087	40	57.108	60.915	18.5	33.2	0.099
Total Oxygen Injected Per Day (lb)			**20.091**						**22.247**						**21.753**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n-PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n-PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n-PV/RT lbs O2
MID PLUME Injection Bank 3	Point 21	27	24	28.050	30.880	9.0	23.7	0.034	26	31.030	33.099	8.5	23.2	0.037	25	29.837	31.826	8.5	23.2	0.036
	Point 22	65.5	30	45.943	49.006	23.5	38.2	0.087	55	85.866	91.591	25.0	39.7	0.173	27	44.728	47.710	30.0	44.7	0.104
	Point 23	25	22	26.256	28.007	8.5	23.2	0.030	24	28.019	29.887	7.5	22.2	0.032	25	29.186	31.132	7.5	22.2	0.034
	Point 24	50	33	47.818	51.006	19.5	34.2	0.081	34	48.906	52.166	19.0	33.7	0.084	35	50.344	53.700	19.0	33.7	0.088
	Point 25	25	23	26.240	27.989	6.5	21.2	0.027	27	31.521	33.623	7.5	22.2	0.035	24	28.019	29.887	7.5	22.2	0.032
	Point 26	25	23	26.547	28.317	7.0	21.7	0.028	24	27.702	29.548	7.0	21.7	0.030	24	27.702	29.548	7.0	21.7	0.031
	Point 27	25	22	24.500	26.133	5.5	20.2	0.024	26	30.010	32.011	7.0	21.7	0.033	24	27.702	29.548	7.0	21.7	0.031
	Point 28	25	22	20.900	22.293	0.0	14.7	0.015	23	21.850	23.307	0.0	14.7	0.016	24.0	22.800	24.320	0.0	14.7	0.017
	Point 29	25	23	26.852	28.642	7.5	22.2	0.029	26	30.354	32.378	7.5	22.2	0.034	24	28.019	29.887	7.5	22.2	0.032
	Point 30	25	24	27.702	29.548	7.0	21.7	0.030	26	30.010	32.011	7.0	21.7	0.033	25	28.856	30.780	7.0	21.7	0.033
Total Oxygen Injected Per Day (lb)			**12.335**						**16.231**						**14.057**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n-PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n-PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n-PV/RT lbs O2
TAIL PLUME Injection Bank 4	Point 1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 2	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 2A	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 4	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 5	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 6	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 7	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 8	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 9	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 10	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)			**0.000**						**0.000**						**0.000**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n-PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n-PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n-PV/RT lbs O2
TAIL PLUME Injection Bank 5	Point 11	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 4A	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 13	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 14	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 15	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 16	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 17	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 18	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 19	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 20	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)			**0.000**						**0.000**						**0.000**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n-PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n-PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n-PV/RT lbs O2
TAIL PLUME Injection Bank 6	Point 6A	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 22	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 23	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 24	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 25	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 26	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 27	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 27A	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 27B	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 27C	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)			**0.000**						**0.000**						**0.000**					
System Total Per Day (lb)			**43.35**						**49.12**						**47.46**					

Appendix C. OU-2 Oxygen Injection System Operational Data
Table C-1. OU-2 Garner Lane Fourth Quarter 2022
National Grid Bay Shore/Brightwaters Former MGP Site

Weight of Oxygen Injected through Q3 2022 1,324,571 lbs

Oxygen to OU-2 - Garner Lane

	Operational Days		Oxygen Injected Per Month (lbs)
Month 1	Oct-22	31	1,559
Month 2	Nov-22	30	1,239
Month 3	Dec-22	31	1,251
Total Operational Days in Q4 2022			92
Total Oxygen in Q4 2022			4,049.07
Running Total for Oxygen to Garner Lane Through Q4 2022 (lbs)			**1,328,620.43**

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

System Operating Specs
Total of 6 injection banks
Oxygen is injected for 16 minutes during each injection cycle
Each injection bank operates for 4 injection cycles per day
Each injection point injects oxygen for 64 min per day (16 min per cycle * 4 cycles)

Example
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 716AM
System is recharging 716AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 816AM
System is recharging 816AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 916AM
System is recharging from 916AM to 1000AM
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1016AM
System is recharging from 1016AM to 1100AM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1116AM
System is recharging from 1116AM to 1200PM
Bank 6 starts injection at 1200PM
Bank 6 finishes injection at 1216PM
System is recharging from 1216PM to 100PM
(Keep repeating cycle for course of day)

System Downtime

			10/19/2022						11/17/2022						1/6/2023					
			O_2%						32.3						27.7					
			R						10.73						10.73					
			Temp R (T)						628						621					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lbPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lbPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lbPV/RT lbs O
MID PLUME Injection Bank 1	Point 1	25	23	26.852	28.642	7.5	22.2	0.030	29	34.981	37.313	9.0	23.7	0.037	30	36.567	39.005	9.5	24.2	0.042
	Point 2	25	23	26.852	28.642	7.5	22.2	0.030	28	32.319	34.473	7.0	21.7	0.031	24	27.702	29.548	7.0	21.7	0.028
	Point 3	25	24	28.019	29.887	7.5	22.2	0.032	27	31.164	33.242	7.0	21.7	0.030	24	27.702	29.548	7.0	21.7	0.028
	Point 4	25	24	27.702	29.548	7.0	21.7	0.031	27	31.164	33.242	7.0	21.7	0.030	24	27.702	29.548	7.0	21.7	0.028
	Point 5	25	24	27.702	29.548	7.0	21.7	0.031	31	35.781	38.167	7.0	21.7	0.034	26	30.010	32.011	7.0	21.7	0.031
	Point 6	25	26	30.010	32.011	7.0	21.7	0.033	31	36.597	39.036	8.0	22.7	0.037	24	27.702	29.548	7.0	21.7	0.028
	Point 7	25	0	0.000	0.000	0.0	14.7	0.000	0	0.000	0.000	0.0	14.7	0.000	0	0.000	0.000	0.0	14.7	0.000
	Point 8	25	23	26.547	28.317	7.0	21.7	0.029	27	31.164	33.242	7.0	21.7	0.030	26	30.010	32.011	7.0	21.7	0.031
	Point 9	50	38	53.842	57.432	18.0	32.7	0.090	37	53.614	57.188	19.5	34.2	0.081	34	49.267	52.552	19.5	34.2	0.079
	Point 10	25	24	27.702	29.548	7.0	21.7	0.031	28	28.352	30.242	2.0	16.7	0.021	24	27.056	28.860	6.0	20.7	0.026
Total Oxygen Injected Per Day (lb)			**10.808**						**10.604**						**10.320**					
MID PLUME Injection Bank 2	Point 11	25	30	35.024	37.359	7.5	22.2	0.040	26	30.354	32.378	7.5	22.2	0.030	28	32.689	34.868	7.5	22.2	0.034
	Point 12	50	54	76.513	81.613	18.0	32.7	0.128	46	66.166	70.578	19.0	33.7	0.099	44	64.222	68.503	20.0	34.7	0.105
	Point 13	25	32	36.936	39.398	7.0	21.7	0.041	24	27.702	29.548	7.0	21.7	0.027	26	30.354	32.378	7.5	22.2	0.032
	Point 14	68	42	67.202	71.682	27.0	41.7	0.143	38	60.802	64.855	27.0	41.7	0.112	40	63.617	67.858	26.5	41.2	0.124
	Point 15	25	33	38.958	41.555	8.0	22.7	0.045	23	27.152	28.962	8.0	22.7	0.027	22	25.393	27.086	7.0	21.7	0.026
	Point 16	50	54	75.925	80.987	17.5	32.2	0.125	38	55.063	58.734	19.5	34.2	0.084	40	58.383	62.276	20.0	34.7	0.096
	Point 17	25	30	35.416	37.777	8.0	22.7	0.041	24	28.019	29.887	7.5	22.2	0.028	24	28.019	29.887	7.5	22.2	0.029
	Point 18	66	0	0.000	0.000	0.0	14.7	0.000	0	0.000	0.000	30.0	44.7	0.000	0	0.000	0.000	0.0	14.7	0.000
	Point 19	25	38	43.861	46.785	7.0	21.7	0.049	21	24.239	25.855	7.0	21.7	0.023	22	25.684	27.396	7.5	22.2	0.027
	Point 20	50	40	56.676	60.454	18.0	32.7	0.095	33	47.114	50.255	18.5	33.2	0.069	32	46.369	49.460	19.5	34.2	0.075
Total Oxygen Injected Per Day (lb)			**22.614**						**15.966**						**17.516**					
MID PLUME Injection Bank 3	Point 21	27	28	33.417	35.645	8.5	23.2	0.040	22	26.256	28.007	8.5	23.2	0.027	24	28.643	30.553	8.5	23.2	0.031
	Point 22	65.5	45	74.547	79.517	30.0	44.7	0.170	62	102.709	109.557	30.0	44.7	0.204	32	53.011	56.545	30.0	44.7	0.112
	Point 23	25	30	33.409	35.636	5.5	20.2	0.035	22	25.684	27.396	7.5	22.2	0.025	24	28.019	29.887	7.5	22.2	0.029
	Point 24	50	39	55.680	59.392	18.5	33.2	0.095	32	46.029	49.097	19.0	33.7	0.069	32	46.029	49.097	19.0	33.7	0.073
	Point 25	25	30	35.024	37.359	7.5	22.2	0.040	24	28.019	29.887	7.5	22.2	0.028	24	27.702	29.548	7.0	21.7	0.028
	Point 26	25	29	33.473	35.704	7.0	21.7	0.037	24	27.702	29.548	7.0	21.7	0.027	28	32.319	34.473	7.0	21.7	0.033
	Point 27	25	28	32.319	34.473	7.0	21.7	0.036	25	28.856	30.780	7.0	21.7	0.028	22	25.393	27.086	7.0	21.7	0.026
	Point 28	25	0	0.000	0.000	0.0	14.7	0.000	0	0.000	0.000	0.0	14.7	0.000	0	0.000	0.000	0.0	14.7	0.000
	Point 29	25	30	35.024	37.359	7.5	22.2	0.040	24	28.333	30.222	8.0	22.7	0.029	26	30.354	32.378	7.5	22.2	0.032
	Point 30	25	28	32.319	34.473	7.0	21.7	0.036	22	25.684	27.396	7.5	22.2	0.025	22	25.393	27.086	7.0	21.7	0.026
Total Oxygen Injected Per Day (lb)			**16.877**						**14.735**						**12.507**					
TAIL PLUME Injection Bank 4	Point 1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 2	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 2A	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 4	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 5	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 6	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 7	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 8	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 9	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 10	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)			**0.000**						**0.000**						**0.000**					
TAIL PLUME Injection Bank 5	Point 11	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 4A	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 13	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 14	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 15	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 16	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 17	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 18	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 19	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 20	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)			**0.000**						**0.000**						**0.000**					
TAIL PLUME Injection Bank 6	Point 6A	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 22	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 23	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 24	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 25	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 26	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 27	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 27A	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 27B	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 27C	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)			**0.000**						**0.000**						**0.000**					
System Total Per Day (lb)			**50.30**						**41.31**						**40.34**					

Appendix C. OU-2 Oxygen Injection System Operational Data
Table C-1. OU-2 Garner Lane First Quarter 2023
National Grid Bay Shore/Brightwaters Former MGP Site

Weight of Oxygen Injected through Q4 2022 1,328,620 lbs

Oxygen to OU-2 - Garner Lane

	Operational Days		Oxygen Injected Per Month (lbs)
Month 1	Jan-23	31	1,117
Month 2	Feb-23	28	392
Month 3	Mar-23	31	454
Total Operational Days in Q1 2023			90
Total Oxygen in Q1 2023			1,963.00
Running Total for Oxygen to Garner Lane Through Q1 2023 (lbs)			**1,330,583.43**

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

System Operating Specs
Total of 6 injection banks
Oxygen is injected for 16 minutes during each injection cycle
Each injection bank operates for 4 injection cycles per day
Each injection point injects oxygen for 64 min per day (16 min per cycle * 4 cycles)

Example
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 716AM
System is recharging 716AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 816AM
System is recharging 816AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 916AM
System is recharging from 916AM to 1000AM
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1016AM
System is recharging from 1016AM to 1100AM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1116AM
System is recharging from 1116AM to 1200PM
Bank 6 starts injection at 1200PM
Bank 6 finishes injection at 1216PM
System is recharging from 1216PM to 100PM
(Keep repeating cycle for course of day)

System Downtime

		1/27/2023						2/23/2023						4/5/2023					
O_2%		27.9						25.9						27.5					
R		10.73						10.73						10.73					
Temp R (T)		623						628						632					
	Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	nPVIRT lbs O2	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	nPVIRT lbs O2	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	nPVIRT lbs O2
MID PLUME Injection Bank 1																			
Point 1	25	23	28.035	29.904	9.5	24.2	0.030	11	12.401	13.227	6.0	20.7	0.011	10	11.805	12.592	8.0	22.7	0.012
Point 2	25	23	26.852	28.642	7.5	22.2	0.027	10	11.542	12.312	7.0	21.7	0.010	10	11.542	12.312	7.0	21.7	0.011
Point 3	25	23	27.152	28.962	8.0	22.7	0.027	11	12.697	13.543	7.0	21.7	0.011	12	14.010	14.943	7.5	22.2	0.013
Point 4	25	23	26.852	28.642	7.5	22.2	0.027	10	11.409	12.169	6.5	21.2	0.010	12	13.851	14.774	7.0	21.7	0.013
Point 5	25	26	30.354	32.378	7.5	22.2	0.030	10	11.542	12.312	7.0	21.7	0.010	10	11.542	12.312	7.0	21.7	0.011
Point 6	25	24	28.643	30.553	8.5	23.2	0.030	10	11.542	12.312	7.0	21.7	0.010	10	11.805	12.592	8.0	22.7	0.012
Point 7	25	0	0.000	0.000	0.0	14.7	0.000	0	0.000	0.000	0.0	14.7	0.000	19	18.050	19.253	0.0	14.7	0.011
Point 8	25	24	28.019	29.887	7.5	22.2	0.028	12	13.851	14.774	7.0	21.7	0.012	10	11.542	12.312	7.0	21.7	0.011
Point 9	50	36	52.545	56.048	20.0	34.7	0.081	10	12.561	13.399	11.0	25.7	0.013	10	11.805	12.592	8.0	22.7	0.012
Point 10	25	24	27.381	29.206	6.5	21.2	0.026	16	15.200	16.213	0.0	14.7	0.009	21	22.501	24.001	4.0	18.7	0.018
Total Oxygen Injected Per Day (lb)		**9.760**						**3.112**						**3.949**					
MID PLUME Injection Bank 2																			
Point 11	25	24	28.333	30.222	8.0	22.7	0.029	18	21.014	22.415	7.5	22.2	0.019	18	21.250	22.666	8.0	22.7	0.021
Point 12	50	35	50.716	54.097	19.5	34.2	0.077	10	11.136	11.879	5.5	20.2	0.009	10	11.136	11.879	5.5	20.2	0.010
Point 13	25	23	26.852	28.642	7.5	22.2	0.027	14	16.159	17.237	7.0	21.7	0.014	12	14.010	14.943	7.5	22.2	0.013
Point 14	68	35	56.336	60.092	27.5	42.2	0.106	10	11.805	12.592	8.0	22.7	0.011	10	11.675	12.453	7.5	22.2	0.011
Point 15	25	24	28.643	30.553	8.5	23.2	0.030	16	18.678	19.925	7.5	22.2	0.017	18	21.250	22.666	8.0	22.7	0.021
Point 16	50	34	48.906	52.166	19.0	33.7	0.073	10	11.935	12.730	8.5	23.2	0.011	10	11.805	12.592	8.0	22.7	0.012
Point 17	25	24	28.333	30.222	8.0	22.7	0.029	16	17.818	19.006	5.5	20.2	0.015	16	19.503	20.803	9.5	24.2	0.020
Point 18	66	12	19.768	21.086	29.5	44.2	0.039	40	47.221	50.369	8.0	22.7	0.044	10	11.805	12.592	8.0	22.7	0.012
Point 19	25	24	28.019	29.887	7.5	22.2	0.028	16	17.818	19.006	5.5	20.2	0.015	17	19.165	20.442	6.0	20.7	0.017
Point 20	50	32	46.029	49.097	19.0	33.7	0.069	40	47.221	50.369	8.0	22.7	0.044	10	11.675	12.453	7.5	22.2	0.011
Total Oxygen Injected Per Day (lb)		**16.175**						**6.383**						**4.739**					
MID PLUME Injection Bank 3																			
Point 21	27	28	33.775	36.027	9.0	23.7	0.036	16	19.095	20.368	8.5	23.2	0.018	24	28.643	30.553	8.5	23.2	0.029
Point 22	65.5	29	42.934	45.796	21.0	35.7	0.068	10	13.840	14.763	16.5	31.2	0.018	10	13.274	14.159	14.0	28.7	0.016
Point 23	25	20	23.611	25.185	8.0	22.7	0.024	14	16.527	17.629	8.0	22.7	0.015	20	23.349	24.906	7.5	22.2	0.022
Point 24	50	25	36.226	38.641	19.5	34.2	0.055	10	13.274	14.159	14.0	28.7	0.016	10	12.438	13.268	10.5	25.2	0.014
Point 25	25	24	28.333	30.222	8.0	22.7	0.029	14	16.159	17.237	7.0	21.7	0.014	19	21.930	23.393	7.0	21.7	0.021
Point 26	25	23	26.852	28.642	7.5	22.2	0.027	12	13.851	14.774	7.0	21.7	0.012	10	11.409	12.169	6.5	21.2	0.010
Point 27	25	22	25.684	27.396	7.5	22.2	0.025	14	16.159	17.237	7.0	21.7	0.014	22	25.393	27.086	7.0	21.7	0.024
Point 28	25	0	0.000	0.000	0.0	14.7	0.000	10	9.500	10.133	0.0	14.7	0.006	10.0	9.500	10.133	0.0	14.7	0.006
Point 29	25	22	25.972	27.703	8.0	22.7	0.026	13	15.177	16.189	7.5	22.2	0.014	18	21.014	22.415	7.5	22.2	0.020
Point 30	25	22	25.684	27.396	7.5	22.2	0.025	13	15.177	16.189	7.5	22.2	0.014	22	25.393	27.086	7.0	21.7	0.024
Total Oxygen Injected Per Day (lb)		**10.082**						**4.521**						**5.957**					
TAIL PLUME Injection Bank 4																			
Point 1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 2	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 2A	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 4	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 5	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 6	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 7	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 8	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 9	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 10	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)		**0.000**						**0.000**						**0.000**					
TAIL PLUME Injection Bank 5																			
Point 11	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 4A	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 13	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 14	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 15	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 16	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 17	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 18	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 19	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 20	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)		**0.000**						**0.000**						**0.000**					
TAIL PLUME Injection Bank 6																			
Point 6A	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 22	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 23	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 24	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 25	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 26	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 27	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 27A	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 27B	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 27C	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)		**0.000**						**0.000**						**0.000**					
System Total Per Day (lb)		**36.02**						**14.02**						**14.64**					

Appendix C. OU-2 Oxygen Injection System Operational Data
Table C-1. OU-2 Garner Lane Second Quarter 2023
National Grid Bay Shore/Brightwaters Former MGP Site

Weight of Oxygen Injected through Q1 2023 1,330,583 lbs

Oxygen to OU-2 - Garner Lane

	Operational Days		Oxygen Injected Per Month (lbs)
Month 1	Apr-23	30	832
Month 2	May-23	31	384
Month 3	Jun-23	30	479
Total Operational Days in Q2 2023			91
Total Oxygen in Q2 2023			1,695.14
Running Total for Oxygen to Garner Lane Through Q2 2023 (lbs)			**1,332,278.57**

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

System Operating Specs
Total of 6 injection banks
Oxygen is injected for 16 minutes during each injection cycle
Each injection bank operates for 4 injection cycles per day
Each injection point injects oxygen for 64 min per day (16 min per cycle * 4 cycles)

Example
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 716AM
System is recharging 716AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 816AM
System is recharging 816AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 916AM
System is recharging from 916AM to 1000AM
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1016AM
System is recharging from 1016AM to 1100AM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1116AM
System is recharging from 1116AM to 1200PM
Bank 6 starts injection at 1200PM
Bank 6 finishes injection at 1216PM
System is recharging from 1216PM to 100PM
(Keep repeating cycle for course of day)

System Downtime

		5/12/2023						6/2/2023						6/30/2023					
	O_2%	23.3						27.1						32.6					
	R	10.73						10.73						10.73					
	Temp R (T)	637						632						639					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O
MID PLUME Injection Bank 1	Point 1	25	10	11.805	12.592	8.0	22.7	0.010	10	11.273	12.025	6.0	20.7	0.010	12	13.528	14.430	6.0	20.7	0.014
	Point 2	25	10	11.675	12.453	7.5	22.2	0.009	12	13.851	14.774	7.0	21.7	0.013	12	13.851	14.774	7.0	21.7	0.015
	Point 3	25	10	11.675	12.453	7.5	22.2	0.009	10	11.542	12.312	7.0	21.7	0.011	10	11.542	12.312	7.0	21.7	0.013
	Point 4	25	10	11.675	12.453	7.5	22.2	0.009	12	13.690	14.603	6.5	21.2	0.012	12	13.528	14.430	6.0	20.7	0.014
	Point 5	25	10	11.542	12.312	7.0	21.7	0.009	10	11.409	12.169	6.5	21.2	0.010	10	11.675	12.453	7.5	22.2	0.013
	Point 6	25	10	11.805	12.592	8.0	22.7	0.010	10	10.857	11.581	4.5	19.2	0.009	10	10.998	11.731	5.0	19.7	0.011
	Point 7	25	0	0.000	0.000	0.0	14.7	0.000	0	0.000	0.000	0.0	14.7	0.000	0	0.000	0.000	0.0	14.7	0.000
	Point 8	25	10	11.675	12.453	7.5	22.2	0.009	10	10.998	11.731	5.0	19.7	0.009	10	11.136	11.879	5.5	20.2	0.011
	Point 9	50	10	11.805	12.592	8.0	22.7	0.010	10	11.805	12.592	8.0	22.7	0.011	10	11.935	12.730	8.5	23.2	0.014
	Point 10	25	19	20.358	21.715	4.0	18.7	0.014	30	32.571	34.743	4.5	19.2	0.027	26	27.859	29.716	4.0	18.7	0.026
	Total Oxygen Injected Per Day (lb)				**2.876**						**3.594**						**4.235**			
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O
MID PLUME Injection Bank 2	Point 11	25	17	20.069	21.407	8.0	22.7	0.017	16	18.679	19.925	7.5	22.2	0.018	18	21.250	22.666	8.0	22.7	0.024
	Point 12	50	10	11.805	12.592	8.0	22.7	0.010	10	10.126	10.801	2.0	16.7	0.007	10	9.973	10.639	1.5	16.2	0.008
	Point 13	25	10	11.542	12.312	7.0	21.7	0.009	10	11.542	12.312	7.0	21.7	0.011	12	13.851	14.774	7.0	21.7	0.015
	Point 14	68	10	11.805	12.592	8.0	22.7	0.010	10	11.805	12.592	8.0	22.7	0.011	10	11.805	12.592	8.0	22.7	0.014
	Point 15	25	12	14.166	15.111	8.0	22.7	0.012	12	14.010	14.943	7.5	22.2	0.013	12	14.010	14.943	7.5	22.2	0.016
	Point 16	50	10	11.935	12.730	8.5	23.2	0.010	10	11.805	12.592	8.0	22.7	0.011	10	11.805	12.592	8.0	22.7	0.014
	Point 17	25	15	17.708	18.889	8.0	22.7	0.015	18	21.014	22.415	7.5	22.2	0.020	22	26.256	28.007	8.5	23.2	0.031
	Point 18	66	0	0.000	0.000	0.0	14.7	0.000	0	0.000	0.000	0.0	14.7	0.000	0	0.000	0.000	0.0	14.7	0.000
	Point 19	25	18	21.014	22.415	7.5	22.2	0.017	2	2.308	2.462	7.0	21.7	0.002	22	25.972	27.703	8.0	22.7	0.030
	Point 20	50	10	11.805	12.592	8.0	22.7	0.010	10	11.675	12.453	7.5	22.2	0.011	12	14.166	15.111	8.0	22.7	0.016
	Total Oxygen Injected Per Day (lb)				**20.000**						**3.351**						**5.375**			
		Depth	lift	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O
MID PLUME Injection Bank 3	Point 21	27	23	27.744	29.593	9.0	23.7	0.024	20	23.869	25.461	8.5	23.2	0.024	20	24.125	25.733	9.0	23.7	0.029
	Point 22	65.5	10	13.041	13.910	13.0	27.7	0.013	10	13.041	13.910	13.0	27.7	0.015	10	13.158	14.035	13.5	28.2	0.019
	Point 23	25	20	23.611	25.185	8.0	22.7	0.019	20	23.869	25.461	8.5	23.2	0.024	20	24.125	25.733	9.0	23.7	0.029
	Point 24	50	10	12.189	13.002	9.5	24.2	0.011	10	12.063	12.867	9.0	23.7	0.012	10	12.063	12.867	9.0	23.7	0.014
	Point 25	25	20	23.611	25.185	8.0	22.7	0.019	16	19.095	20.368	8.5	23.2	0.019	16	19.095	20.368	8.5	23.2	0.022
	Point 26	25	10	11.675	12.453	7.5	22.2	0.009	10	11.805	12.592	8.0	22.7	0.011	10	11.805	12.592	8.0	22.7	0.014
	Point 27	25	20	23.349	24.906	7.5	22.2	0.019	18	21.014	22.415	7.5	22.2	0.020	20	23.085	24.624	7.0	21.7	0.025
	Point 28	25	0	0.000	0.000	0.0	14.7	0.000	0	0.000	0.000	0.0	14.7	0.000	0.0	0.000	0.000	0.0	14.7	0.000
	Point 29	25	16	18.889	20.148	8.0	22.7	0.016	17	19.847	21.170	7.5	22.2	0.019	18	21.250	22.666	8.0	22.7	0.024
	Point 30	25	22	25.684	27.396	7.5	22.2	0.021	24	28.019	29.887	7.5	22.2	0.027	16	18.889	20.148	8.0	22.7	0.022
	Total Oxygen Injected Per Day (lb)				**4.843**						**5.449**						**6.368**			
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O
TAIL PLUME Injection Bank 4	Point 1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 2	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 2A	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 4	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 5	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 6	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 7	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 8	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 9	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 10	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)				**0.000**						**0.000**						**0.000**			
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O
TAIL PLUME Injection Bank 5	Point 11	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 4A	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 13	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 14	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 15	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 16	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 17	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 18	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 19	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 20	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)				**0.000**						**0.000**						**0.000**			
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs O
TAIL PLUME Injection Bank 6	Point 6A	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 22	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 23	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 24	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 25	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 26	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 27	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 27A	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 27B	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 27C	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)				**0.000**						**0.000**						**0.000**			
	System Total Per Day (lb)				**27.72**						**12.39**						**15.98**			

Weight of Oxygen Injected through Q2 2022 881,888 lbs

Oxygen to OU-2 - 34 North Clinton

	Operational Days		Oxygen Injected Per Month (lbs)
Month 1	Jul-22	31	8.742
Month 2	Aug-22	31	6,066
Month 3	Sep-22	30	5,589
Total Operational Days in Q3 2022			92
Total Oxygen in Q3 2022			20,396.96
Running Total for Oxygen to 34 North Clinton Through Q3 2022 (lbs)			**902,285.33**

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

Svstem Operatino Soecs
Total of 6 injection banks
Oxygen is injected for 13 minutes during each injection cycle
Each injection bank operates for 4 injection cycles per day
Each injection point injects oxygen for 52 min per day (13 min per cycle * 4 cycles)

Example
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 713AM
System is recharging 713AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 813AM
System is recharging 813AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 913AM
System is recharging from 913AM to 1000AM
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1013AM
System is recharging from 1013AM to 1100AM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1113AM
System is recharging from 1113AM to 1200PM
Bank 6 starts injection at 1200PM
Bank 6 finishes injection at 1213PM
System is recharging from 1213PM to 100PM
(Keep repeating cycle for course of day)

System Downtime

			8/1/2022						8/26/2022						9/23/2022					
	O_2%		78.7						105						77.4					
	R		10.73						10.73						10.73					
	Temp R (T)		632						634						631					
		Depth	SCFH (M) L	SCFH (C*)	CFiD (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CFiD (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CFiD (V)	PSI (M)	PSIa (P)	nPV/RT lbs O2
Injection Bank 1	Point 1A	65	42	67.202	58.242	27.0	41.7	0.282	32	50.894	44.108	26.5	41.2	0.280	43	68.802	59.628	27.0	41.7	0.284
	Point 1B	45	38	53.012	45.944	17.0	31.7	0.169	26	36.272	31.435	17.0	31.7	0.154	31	43.247	37.481	17.0	31.7	0.136
	Point 2	30	38	49.106	42.558	12.5	27.2	0.134	30	39.122	33.906	13.0	27.7	0.145	32	41.352	35.839	12.5	27.2	0.111
	Point 13A	65	38	58.574	50.764	24.0	38.7	0.228	30	46.243	40.077	24.0	38.7	0.239	30	46.243	40.077	24.0	38.7	0.177
	Point 13B	45	38	51.743	44.844	15.5	30.2	0.157	30	40.850	35.403	15.5	30.2	0.165	31	42.559	36.885	16.0	30.7	0.129
	Point 14	30	36	43.881	38.030	9.5	24.2	0.107	30	36.567	31.692	9.5	24.2	0.118	31	37.786	32.748	9.5	24.2	0.091
	Point 25A	45	35	48.441	41.982	16.5	31.2	0.152	38	52.593	45.580	16.5	31.2	0.219	32	44.289	38.383	16.5	31.2	0.137
	Point 25B	30	40	49.258	42.690	10.0	24.7	0.122	30	36.943	32.017	10.0	24.7	0.122	31	38.175	33.085	10.0	24.7	0.093
	Total Oxygen Injected Per Day (lb)		**43.250**						**46.196**						**37.094**					
		Depth	SCFH (M)	SCFH (C*)	CFiD (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CFiD (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CFiD (V)	PSI (M)	PSIa (P)	nPV/RT lbs O2
Injection Bank 2	Point 3A	65	48	74.938	64.946	25.0	39.7	0.299	26	40.335	34.957	24.5	39.2	0.212	45	70.254	60.887	25.0	39.7	0.276
	Point 3B	45	39	52.663	45.641	15.0	29.7	0.157	26	34.812	30.170	14.5	29.2	0.136	35	47.262	40.960	14.5	29.2	0.137
	Point 4	30	42	51.720	44.824	10.0	24.7	0.128	24	29.555	25.614	10.0	24.7	0.098	31	38.175	33.085	10.0	24.7	0.093
	Point 15A	65	32	49.006	42.472	23.5	38.2	0.188	28	42.598	36.919	23.0	37.7	0.215	28	42.880	37.163	23.5	38.2	0.162
	Point 15B	45	39	53.977	46.780	16.5	31.2	0.169	30	41.187	35.695	16.0	30.7	0.169	30	41.521	35.985	16.0	30.7	0.126
	Point 16	30	40	48.250	41.817	9.0	23.7	0.115	25	30.156	26.136	9.0	23.7	0.096	33	39.806	34.499	9.0	23.7	0.093
	Point 26A	45	40	55.361	47.979	16.5	31.2	0.174	24	33.216	28.788	16.5	31.2	0.139	35	48.441	41.982	16.0	30.7	0.147
	Point 26B	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)		**39.406**						**34.027**						**33.147**					
		Depth	SCFH (M)	SCFH (C*)	CFiD (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CFiD (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CFiD (V)	PSI (M)	PSIa (P)	nPV/RT lbs O2
Injection Bank 3	Point 5A	65	71	113.603	98.456	27.0	41.7	0.476	28	44.801	38.828	27.0	41.7	0.250	45	72.002	62.402	27.0	41.7	0.297
	Point 5B	45	62	85.809	74.368	16.5	31.2	0.269	40	55.361	47.979	16.5	31.2	0.231	38	52.170	45.214	16.0	30.7	0.159
	Point 6	30	54	63.749	55.249	8.0	22.7	0.146	10	11.675	10.118	7.5	22.2	0.035	36	42.499	36.833	8.0	22.7	0.096
	Point 17A	65	56	86.319	74.810	24.0	38.7	0.336	31	47.784	41.413	24.0	38.7	0.247	42	65.156	56.469	24.5	39.2	0.253
	Point 17B	45	60	82.373	71.390	16.0	30.7	0.254	23	31.576	27.366	16.0	30.7	0.130	40	54.915	47.593	16.0	30.7	0.167
	Point 18	30	50	60.946	52.820	9.5	24.2	0.148	26	31.692	27.466	9.5	24.2	0.103	32	39.005	33.805	9.5	24.2	0.094
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)		**52.159**						**31.848**						**34.091**					
		Depth	SCFH (M)	SCFH (C*)	CFiD (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CFiD (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CFiD (V)	PSI (M)	PSIa (P)	nPV/RT lbs O2
Injection Bank 4	Point 7A	65	50	79.037	68.499	26.0	40.7	0.324	21	33.196	28.770	26.0	40.7	0.181	32	50.584	43.839	26.0	40.7	0.204
	Point 7B	45	40	55.803	48.362	17.0	31.7	0.178	29	40.137	34.785	16.5	31.2	0.168	30	41.521	35.985	16.5	31.2	0.128
	Point 8	30	48	59.704	51.744	10.5	25.2	0.151	22	27.092	23.479	10.0	24.7	0.090	32	39.803	34.496	10.5	25.2	0.099
	Point 19A	65	86	134.264	116.362	25.0	39.7	0.536	20	31.420	27.231	25.5	40.2	0.169	30	47.130	40.846	25.5	40.2	0.188
	Point 19B	45	45	62.281	53.977	16.5	31.2	0.195	30	41.521	35.985	16.5	31.2	0.173	31	42.905	37.184	16.5	31.2	0.133
	Point 20	30	44	54.729	47.432	10.5	25.2	0.139	20	24.629	21.345	10.0	24.7	0.081	35	43.100	37.354	10.0	24.7	0.105
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)		**48.738**						**27.564**						**27.440**					
		Depth	SCFH (M)	SCFH (C*)	CFiD (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CFiD (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CFiD (V)	PSI (M)	PSIa (P)	nPV/RT lbs O2
Injection Bank 5	Point 9A	65	80	126.460	109.598	26.0	40.7	0.518	22	35.201	30.508	27.0	41.7	0.196	37	59.202	51.308	27.0	41.7	0.245
	Point 9B	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 10	30	48	59.109	51.228	10.0	24.7	0.147	26	32.017	27.748	10.0	24.7	0.106	35	42.662	36.974	9.5	24.2	0.102
	Point 21A	65	75	117.090	101.478	25.0	39.7	0.468	26	40.591	35.179	25.0	39.7	0.216	40	62.448	54.122	25.0	39.7	0.246
	Point 21B	45	41	56.288	48.783	16.0	30.7	0.174	28	38.441	33.315	16.0	30.7	0.158	32	43.932	38.075	16.0	30.7	0.134
	Point 22	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)		**41.788**						**21.618**						**23.236**					
		Depth	SCFH (M)	SCFH (C*)	CFiD (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CFiD (V)	PSI (M)	PSIa (P)	nPV/RT lbs O	SCFH (M)	SCFH (C*)	CFiD (V)	PSI (M)	PSIa (P)	nPV/RT lbs O2
Injection Bank 6	Point 11A	65	76	120.137	104.118	26.0	40.7	0.492	24	37.704	32.677	25.5	40.2	0.203	32	50.272	43.569	25.5	40.2	0.200
	Point 11B	45	45	62.281	53.977	16.5	31.2	0.195	26	35.985	31.187	16.5	31.2	0.150	31	42.905	37.184	16.5	31.2	0.133
	Point 12	30	46	56.646	49.093	10.0	24.7	0.141	24	29.555	25.614	10.0	24.7	0.098	32	39.406	34.152	10.0	24.7	0.096
	Point 23	65	72	113.814	98.639	26.0	40.7	0.466	32	50.584	43.839	26.0	40.7	0.275	35	55.326	47.949	26.0	40.7	0.223
	Point 24A	55	60	89.448	77.522	21.5	36.2	0.326	34	50.336	43.624	21.0	35.7	0.240	42	62.180	53.889	21.0	35.7	0.220
	Point 24B	30	48	59.704	51.744	10.5	25.2	0.151	26	32.340	28.028	10.5	25.2	0.109	34	42.291	36.652	10.5	25.2	0.106
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)		**56.668**						**34.412**						**31.292**					
	System Total Per Day (lb)		**282.01**						**195.67**						**186.30**					

Appendix C. OU-2 Oxygen Injection System Operational Data
Table C-2. OU-2 34 N. Clinton Avenue Fourth Quarter 2022
National Grid Bay Shore/Brightwaters Former MGP Site

Weight of Oxygen Injected through Q3 2022 902,285 lbs

Oxygen to OU-2 - 34 North Clinton

	Operational Days		Oxygen Injected Per Month (lbs)
Month 1	Oct-22	31	6,922
Month 2	Nov-22	30	4,691
Month 3	Dec-22	31	6,491
Total Operational Days in Q4 2022			92
Total Oxygen in Q4 2022			18,104.36
Running Total for Oxygen to 34 North Clinton Through Q4 2022 (lbs)			**920,389.69**

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

System Operating Specs
Total of 6 injection banks
Oxygen is injected for 13 minutes during each injection cycle
Each injection bank operates for 4 injection cycles per day
Each injection point injects oxygen for 52 min per day (13 min per cycle * 4 cycles)

Example
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 713AM
System is recharging 713AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 813AM
System is recharging 813AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 913AM
System is recharging from 913AM to 1000AM
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1013AM
System is recharging from 1013AM to 1100AM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1113AM
System is recharging from 1113AM to 1200PM
Bank 6 starts injection at 1200PM
Bank 6 finishes injection at 1213PM
System is recharging from 1213PM to 100PM
(Keep repeating cycle for course of day)

Svstem Downtime

			10/14/2022						12/1/2022						12/23/2022					
	O_2%		105						89.1						86.7					
	R		10.73						10.73						10.73					
	Temp R (T)		625						647						623					
		Depth	SCFH (M1)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O
Injection Bank 1	Point 1A	65	31	49.601	42.988	27.0	41.7	0.281	30	48.001	41.601	27.0	41.7	0.223	42	67.202	58.242	27.0	41.7	0.315
	Point 1B	45	29	40.457	35.063	17.0	31.7	0.174	20	27.901	24.181	17.0	31.7	0.098	36	50.222	43.526	17.0	31.7	0.179
	Point 2	30	30	38.798	33.599	12.5	27.2	0.143	21	27.137	23.510	12.5	27.2	0.082	36	46.521	40.318	12.5	27.2	0.142
	Point 13A	65	31	48.092	41.679	24.5	39.2	0.256	25	38.784	33.612	24.5	39.2	0.169	30	46.540	40.335	24.5	39.2	0.205
	Point 13B	45	30	41.187	35.695	16.0	30.7	0.172	24	32.949	28.556	16.0	30.7	0.113	30	41.187	35.695	16.0	30.7	0.142
	Point 14	30	30	36.943	32.017	10.0	24.7	0.124	21	25.860	22.412	10.0	24.7	0.071	40	49.258	42.690	10.0	24.7	0.137
	Point 25A	45	28	39.062	33.854	17.0	31.7	0.168	21	29.206	25.390	17.0	31.7	0.103	40	55.803	48.362	17.0	31.7	0.199
	Point 25B	30	29	35.712	30.950	10.0	24.7	0.120	20	24.629	21.345	10.0	24.7	0.068	40	49.754	43.130	10.5	25.2	0.141
	Total Oxygen Injected Per Day (lb)				**45.975**						**29.657**						**46.717**			
		Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O
Injection Bank 2	Point 3A	65	24	37.704	32.677	25.5	40.2	0.206	40	60.450	52.390	22.5	37.2	0.250	42	65.982	57.185	23.0	37.7	0.280
	Point 3B	45	30	40.510	35.109	15.0	29.7	0.163	17	22.956	19.895	15.0	29.7	0.076	46	62.116	53.834	15.5	30.2	0.211
	Point 4	30	24	29.555	25.614	10.0	24.7	0.099	16	19.703	17.078	10.0	24.7	0.054	44	54.183	46.959	10.5	25.2	0.153
	Point 15A	65	28	42.880	37.163	23.5	38.2	0.222	24	36.994	32.061	24.0	38.7	0.159	30	45.943	39.817	23.5	38.2	0.197
	Point 15B	45	29	40.137	34.785	16.5	31.2	0.170	20	27.680	23.990	16.5	31.2	0.096	40	55.361	47.979	17.0	31.7	0.197
	Point 16	30	30	36.188	31.363	9.0	23.7	0.116	19	23.159	20.071	9.5	24.2	0.082	42	50.663	43.908	10.0	24.7	0.141
	Point 26A	45	28	38.753	33.586	16.5	31.2	0.164	20	26.082	22.604	13.0	27.7	0.080	38	52.593	45.580	14.5	29.2	0.173
	Point 26B	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)				**36.500**						**24.899**						**43.256**			
		Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O
Injection Bank 3	Point 5A	65	23	36.801	31.894	27.0	41.7	0.208	30	46.243	40.077	24.0	38.7	0.199	40	62.840	54.462	25.5	40.2	0.284
	Point 5B	45	28	38.753	33.586	16.5	31.2	0.164	26	36.272	31.435	17.0	31.7	0.128	40	55.803	48.362	17.0	31.7	0.199
	Point 6	30	23	27.152	23.532	8.0	22.7	0.084	16	19.695	16.549	8.5	23.2	0.049	40	47.739	41.373	8.5	23.2	0.124
	Point 17A	65	25	38.784	33.612	24.5	39.2	0.206	33	49.871	43.222	22.5	37.2	0.206	42	65.156	56.469	24.5	39.2	0.287
	Point 17B	45	25	34.600	29.987	16.5	31.2	0.146	22	30.448	26.389	16.5	31.2	0.108	40	55.361	47.979	16.5	31.2	0.194
	Point 18	30	25	30.786	26.681	10.0	24.7	0.103	22	27.092	23.479	10.0	24.7	0.074	36	44.332	38.421	10.0	24.7	0.123
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)				**29.181**						**24.406**						**38.772**			
		Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O
Injection Bank 4	Point 7A	65	36	57.255	49.621	26.5	41.2	0.320	20	28.768	24.932	19.0	33.7	0.108	22	31.409	27.221	18.5	33.2	0.117
	Point 7B	45	32	44.642	38.690	17.0	31.7	0.192	25	34.877	30.228	17.0	31.7	0.123	28	39.369	34.120	17.5	32.2	0.142
	Point 8	30	35	43.534	37.730	10.5	25.2	0.149	10	12.438	10.780	10.5	25.2	0.035	12	15.073	13.064	11.0	25.7	0.044
	Point 19A	65	34	53.745	46.579	26.0	40.7	0.297	22	33.691	29.199	23.5	38.2	0.143	28	42.598	36.919	23.0	37.7	0.181
	Point 19B	45	38	53.012	45.944	17.0	31.7	0.208	25	34.877	30.226	17.0	31.7	0.123	30	41.521	35.985	16.5	31.2	0.146
	Point 20	30	37	45.563	39.488	10.0	24.7	0.153	14	17.240	14.941	10.0	24.7	0.047	18	22.610	19.595	11.0	25.7	0.065
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)				**42.834**						**18.534**						**22.230**			
		Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O
Injection Bank 5	Point 9A	65	35	56.002	48.535	27.0	41.7	0.317	32	51.202	44.375	27.0	41.7	0.237	30	48.288	41.850	27.5	42.2	0.229
	Point 9B	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 10	30	36	44.332	38.421	10.0	24.7	0.149	35	43.100	37.354	10.0	24.7	0.118	26	32.017	27.748	10.0	24.7	0.089
	Point 21A	65	36	56.203	48.710	25.0	39.7	0.303	38	59.328	51.416	25.0	39.7	0.262	30	47.130	40.846	25.5	40.2	0.213
	Point 21B	45	34	47.057	40.782	16.5	31.2	0.199	36	49.825	43.181	16.5	31.2	0.173	28	38.753	33.586	16.5	31.2	0.136
	Point 22	30																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)				**30.959**						**25.305**						**21.338**			
		Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O
Injection Bank 6	Point 11A	65	32	50.584	43.839	26.0	40.7	0.279	30	47.422	41.099	26.0	40.7	0.215	38	60.436	52.378	26.5	41.2	0.280
	Point 11B	45	29	40.457	35.063	17.0	31.7	0.174	30	41.852	36.272	17.0	31.7	0.148	32	44.642	38.690	17.0	31.7	0.159
	Point 12	30	30	36.943	32.017	10.0	24.7	0.124	30	37.315	32.340	10.5	25.2	0.105	32	39.803	34.496	10.5	25.2	0.113
	Point 23	65	30	47.713	41.351	26.5	41.2	0.267	38	60.436	52.378	26.5	41.2	0.277	36	56.907	49.319	26.0	40.7	0.260
	Point 24A	55	30	44.724	38.761	21.5	36.2	0.220	34	50.687	43.929	21.5	36.2	0.204	38	56.650	49.097	21.5	36.2	0.231
	Point 24B	30	28	34.828	30.184	10.5	25.2	0.119	29	36.071	31.262	10.5	25.2	0.101	32	40.196	34.836	11.0	25.7	0.116
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)				**37.848**						**33.569**						**37.077**			
	System Total Per Day (lb)				**223.30**						**156.37**						**209.39**			

Appendix C. OU-2 Oxygen Injection System Operational Data
Table C-2. OU-2 34 N. Clinton Avenue First Quarter 2023
National Grid Bay Shore/Brightwaters Former MGP Site

Weight of Oxygen Injected through Q4 2022 920,390 lbs

Oxygen to OU-2 - 34 North Clinton

	Operational Days		Oxygen Injected Per Month (lbs)
Month 1	Jan-23	31	6,622
Month 2	Feb-23	28	6,677
Month 3	Mar-23	31	6,493
Total Operational Days in Q1 2023			90
Total Oxygen in Q1 2023			19,792.53
Running Total for Oxygen to 34 North Clinton Through Q4 2022 (lbs)			**940,182.22**

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

System Operating Specs
Total of 6 injection banks
Oxygen is injected for 13 minutes during each injection cycle
Each injection bank operates for 4 injection cycles per day
Each injection point injects oxygen for 52 min per day (13 min per cycle * 4 cycles)

Examole
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 713AM
System is recharging 713AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 813AM
System is recharging 813AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 913AM
System is recharging from 913AM to 1000AM
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1013AM
System is recharging from 1013AM to 1100AM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1113AM
System is recharging from 1113AM to 1200PM
Bank 6 starts injection at 1200PM
Bank 6 finishes injection at 1213PM
System is recharging from 1213PM to 100PM
(Keep repeating cycle for course of day)

Svstem Downtime

		1/27/2023						2/24/2023						3/24/2023					
	O_2%	86.2						87.4						86.7					
	R	10.73						10.73						10.73					
	Temp R (T)	629						618						623					
		Depth	SCFH (M1)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O
Injection Bank 1	Point 1A	65	40	64.384	55.800	27.5	42.2	0.301	47	75.202	65.175	27.0	41.7	0.358	42	67.202	58.242	27.0	41.7	0.315
	Point 1B	45	34	47.432	41.108	17.0	31.7	0.166	40	55.803	48.362	17.0	31.7	0.202	36	50.222	43.526	17.0	31.7	0.179
	Point 2	30	36	46.521	40.318	12.5	27.2	0.140	48	62.028	53.758	12.5	27.2	0.193	36	46.521	40.318	12.5	27.2	0.142
	Point 13A	65	30	46.243	40.077	24.0	38.7	0.198	36	55.848	48.402	24.5	39.2	0.250	30	46.540	40.335	24.5	39.2	0.205
	Point 13B	45	30	41.521	35.985	16.5	31.2	0.143	36	49.424	42.834	16.0	30.7	0.173	30	41.187	35.695	16.0	30.7	0.142
	Point 14	30	40	49.258	42.690	10.0	24.7	0.135	36	44.332	38.421	10.0	24.7	0.125	40	49.258	42.690	10.0	24.7	0.137
	Point 25A	45	40	55.803	48.362	17.0	31.7	0.166	41	57.198	49.571	17.0	31.7	0.207	40	55.803	48.362	17.0	31.7	0.199
	Point 25B	30	40	49.754	43.120	10.5	25.2	0.139	40	49.754	43.120	10.5	25.2	0.143	40	49.754	43.120	10.5	25.2	0.141
	Total Oxygen Injected Per Day (lb)				**45.376**						**52.858**						**46.717**			
Injection Bank 2		Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O
	Point 3A	65	40	61.257	53.090	23.5	38.2	0.259	30	46.836	40.591	25.0	39.7	0.212	42	64.320	55.744	23.0	37.7	0.273
	Point 3B	45	42	57.190	49.564	15.5	30.2	0.191	30	40.510	35.109	15.0	29.7	0.137	46	62.636	54.285	15.5	30.2	0.213
	Point 4	30	48	60.294	52.255	11.0	25.7	0.172	31	38.559	33.418	10.5	25.2	0.111	44	55.269	47.900	10.5	25.2	0.157
	Point 15A	65	46	70.446	61.053	23.5	38.2	0.298	30	45.943	39.817	23.5	38.2	0.200	30	45.943	39.817	23.5	38.2	0.197
	Point 15B	45	40	55.803	48.362	17.0	31.7	0.196	32	44.289	38.383	16.5	31.2	0.158	40	55.803	48.362	17.0	31.7	0.199
	Point 16	30	40	49.258	42.690	10.0	24.7	0.135	30	36.567	31.692	9.5	24.2	0.101	42	51.720	44.824	10.0	24.7	0.144
	Point 26A	45	40	55.361	47.979	16.5	31.2	0.191	31	42.905	37.184	16.5	31.2	0.153	38	52.593	45.580	14.5	29.2	0.173
	Point 26B	30																		
	Total Oxygen Injected Per Day (lb)				**46.120**						**34.340**						**43.330**			
Injection Bank 3		Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O
	Point 5A	65	38	60.802	52.695	27.0	41.7	0.281	46	74.042	64.170	27.5	42.2	0.357	40	62.840	54.462	25.5	40.2	0.284
	Point 5B	45	40	55.361	47.979	16.5	31.2	0.191	40	55.361	47.979	16.5	31.2	0.197	40	55.803	48.362	17.0	31.7	0.199
	Point 6	30	41	48.402	41.948	8.0	22.7	0.122	29	34.610	29.998	8.5	23.2	0.092	40	47.739	41.373	8.5	23.2	0.124
	Point 17A	65	40	62.054	53.780	24.5	39.2	0.269	45	70.254	60.887	25.0	39.7	0.319	42	65.156	56.469	24.5	39.2	0.287
	Point 17B	45	41	56.745	49.179	16.5	31.2	0.196	34	47.057	40.782	16.5	31.2	0.168	40	55.361	47.979	16.5	31.2	0.194
	Point 18	30	35	43.100	37.354	10.0	24.7	0.118	32	39.406	34.152	10.0	24.7	0.111	36	44.332	38.421	10.0	24.7	0.123
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)				**37.649**						**39.790**						**38.772**			
Injection Bank 4		Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O
	Point 7A	65	24	34.006	29.471	18.0	32.7	0.123	45	72.002	62.402	27.0	41.7	0.343	22	31.409	27.221	18.5	33.2	0.117
	Point 7B	45	28	39.369	34.120	17.5	32.2	0.140	46	64.173	55.617	17.0	31.7	0.232	28	39.369	34.120	17.5	32.2	0.142
	Point 8	30	12	15.219	13.190	11.5	26.2	0.044	40	49.754	43.120	10.5	25.2	0.143	12	15.073	13.064	11.0	25.7	0.044
	Point 19A	65	28	42.598	36.919	23.0	37.7	0.178	42	66.798	57.892	26.5	41.2	0.314	28	42.598	36.919	23.0	37.7	0.181
	Point 19B	45	30	41.521	35.985	16.5	31.2	0.143	40	55.803	48.362	17.0	31.7	0.202	30	41.521	35.985	16.5	31.2	0.146
	Point 20	30	20	25.122	21.773	11.0	25.7	0.071	40	49.754	43.120	10.5	25.2	0.143	18	22.610	19.595	11.0	25.7	0.065
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)				**22.405**						**44.103**						**22.230**			
Injection Bank 5		Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O
	Point 9A	65	40	64.384	55.800	27.5	42.2	0.301	43	67.972	58.909	26.0	40.7	0.316	30	48.288	41.850	27.5	42.2	0.229
	Point 9B	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Point 10	30	30	36.943	32.017	10.0	24.7	0.101	35	43.100	37.354	10.0	24.7	0.122	26	32.017	27.748	10.0	24.7	0.089
	Point 21A	65	36	56.556	49.015	25.5	40.2	0.252	45	70.254	60.887	25.0	39.7	0.319	30	47.130	40.846	25.5	40.2	0.213
	Point 21B	45	38	52.593	45.580	16.5	31.2	0.182	34	47.057	40.782	16.5	31.2	0.168	28	38.753	33.586	16.5	31.2	0.136
	Point 22	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)				**26.721**						**29.565**						**21.338**			
Injection Bank 6		Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O
	Point 11A	65	38	60.068	52.059	26.0	40.7	0.271	38	60.068	52.059	26.0	40.7	0.279	38	60.436	52.378	26.5	41.2	0.280
	Point 11B	45	30	41.852	36.272	17.0	31.7	0.147	34	47.432	41.108	17.0	31.7	0.172	32	44.642	38.690	17.0	31.7	0.159
	Point 12	30	30	37.684	32.659	11.0	25.7	0.107	34	42.708	37.014	11.0	25.7	0.125	32	39.803	34.496	10.5	25.2	0.113
	Point 23	65	34	53.745	46.579	26.0	40.7	0.242	34	53.745	46.579	26.0	40.7	0.250	36	56.907	49.319	26.0	40.7	0.260
	Point 24A	55	38	56.650	49.097	21.5	36.2	0.227	38	56.650	49.097	21.5	36.2	0.234	38	56.650	49.097	21.5	36.2	0.231
	Point 24B	30	30	38.048	32.975	11.5	26.2	0.110	32	40.585	35.174	11.5	26.2	0.121	32	40.196	34.836	11.0	25.7	0.116
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)				**35.332**						**37.823**						**37.077**			
	System Total Per Day (lb)				**213.60**						**238.48**						**209.46**			

Weight of Oxygen Injected through Q1 2023 940,182 lbs

Oxygen to OU-2 - 34 North Clinton

	Operational Days		Oxygen Injected Per Month (lbs)
Month 1	Jan-23	30	4,957
Month 2	Feb-23	31	6,287
Month 3	Mar-23	30	5,473
Total Operational Days in Q2 2023			91
Total Oxygen in Q2 2023			16,715.97
Running Total for Oxygen to 34 North Clinton Through Q2 2023 (lbs)			**956,898.19**

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

System Operating Specs
Total of 6 injection banks
Oxygen is injected for 13 minutes during each injection cycle
Each injection bank operates for 4 injection cycles per day
Each injection point injects oxygen for 52 min per day (13 min per cycle * 4 cycles)

Example
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 713AM
System is recharging 713AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 813AM
System is recharging 813AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 913AM
System is recharging from 913AM to 1000AM
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1013AM
System is recharging from 1013AM to 1100AM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1113AM
System is recharging from 1113AM to 1200PM
Bank 6 starts injection at 1200PM
Bank 6 finishes injection at 1213PM
System is recharging from 1213PM to 100PM
(Keep repeating cycle for course of day)

System Downtime

		4/21/2023						5/19/2023						6/23/2023					
O_2%		85.2						86						86.6					
R		10.73						10.73						10.73					
Temp R (T)		634						631						634					
	Depth	SCFH (M)	SCFH (C*)	CFD (V)	PSI (M)	PSIa (P)	#PVRT lbs O	SCFH (M)	SCFH (C*)	CFD (V)	PSI (M)	PSIa (P)	#PVRT lbs O	SCFH (M)	SCFH (C*)	CFD (V)	PSI (M)	PSIa (P)	#PVRT lbs O2
Injection Bank 1																			
Point 1A	65	24	38.401	33.281	27.0	41.7	0.174	37	59.202	51.308	27.0	41.7	0.272	37	59.202	51.308	27.0	41.7	0.272
Point 1B	45	41	57.647	49.961	17.5	32.2	0.201	33	46.037	39.899	17.0	31.7	0.161	34	47.057	40.782	16.5	31.2	0.162
Point 2	30	30	38.768	33.599	12.5	27.2	0.114	28	36.183	31.359	12.5	27.2	0.108	30	39.122	33.906	13.0	27.7	0.120
Point 13A	65	34	52.746	45.713	24.5	39.2	0.224	30	46.540	40.335	24.5	39.2	0.201	30	46.836	40.591	25.0	39.7	0.205
Point 13B	45	28	38.441	33.315	16.0	30.7	0.128	30	41.187	35.695	16.0	30.7	0.139	30	40.850	35.403	15.5	30.2	0.136
Point 14	30	30	36.943	32.017	10.0	24.7	0.099	30	36.943	32.017	10.0	24.7	0.100	30	37.315	32.340	10.5	25.2	0.104
Point 25A	45	29	40.457	35.063	17.0	31.7	0.139	28	39.062	33.854	17.0	31.7	0.136	30	41.521	35.985	16.5	31.2	0.143
Point 25B	30	38	47.266	40.964	10.5	25.2	0.129	30	37.315	32.340	10.5	25.2	0.104	32	52.714	45.685	29.5	44.2	0.257
Total Oxygen Injected Per Day (lb)		**38.714**						**39.074**						**44.764**					
	Depth	SCFH (M)	SCFH (C*)	CFD (V)	PSI (M)	PSIa (P)	#PVRT lbs O	SCFH (M)	SCFH (C*)	CFD (V)	PSI (M)	PSIa (P)	#PVRT lbs O	SCFH (M)	SCFH (C*)	CFD (V)	PSI (M)	PSIa (P)	#PVRT lbs O2
Injection Bank 2																			
Point 3A	65	24	37.469	32.473	25.0	39.7	0.161	58	88.240	76.474	23.0	37.7	0.366	20	31.224	27.061	24.5	39.2	0.135
Point 3B	45	25	33.473	29.010	14.5	29.2	0.106	30	40.168	34.812	14.5	29.2	0.129	28	37.490	32.491	15.0	29.7	0.123
Point 4	30	20	24.629	21.345	10.0	24.7	0.066	23	28.608	24.794	10.5	25.2	0.079	24	29.555	25.614	10.5	25.2	0.082
Point 15A	65	28	42.880	37.163	23.5	38.2	0.178	30	46.243	40.077	24.0	38.7	0.197	30	45.943	39.817	23.5	38.2	0.194
Point 15B	45	44	60.897	52.777	16.5	31.2	0.206	32	44.289	38.383	16.5	31.2	0.152	32	44.289	38.383	16.5	31.2	0.152
Point 16	30	25	30.473	26.410	9.5	24.2	0.080	30	36.567	31.692	9.5	24.2	0.097	30	36.567	31.692	9.5	24.2	0.098
Point 26A	45	27	37.369	32.386	16.5	31.2	0.127	35	46.862	40.614	14.5	29.2	0.151	26	35.985	31.187	16.5	31.2	0.124
Point 26B	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)		**29.574**						**37.499**						**29.044**					
	Depth	SCFH (M)	SCFH (C*)	CFD (V)	PSI (M)	PSIa (P)	#PVRT lbs O	SCFH (M)	SCFH (C*)	CFD (V)	PSI (M)	PSIa (P)	#PVRT lbs O	SCFH (M)	SCFH (C*)	CFD (V)	PSI (M)	PSIa (P)	#PVRT lbs O2
Injection Bank 3																			
Point 5A	65	26	41.601	36.054	27.0	41.7	0.188	33	52.802	45.761	27.0	41.7	0.242	28	44.801	38.828	27.0	41.7	0.206
Point 5B	45	27	37.369	32.386	16.5	31.2	0.127	34	47.057	40.782	16.5	31.2	0.162	30	41.521	35.985	16.5	31.2	0.143
Point 6	30	23	27.450	23.790	8.5	23.2	0.069	30	35.804	31.030	8.5	23.2	0.091	30	35.804	31.030	8.5	23.2	0.092
Point 17A	65	22	34.130	29.579	24.5	39.2	0.145	34	52.746	45.713	24.5	39.2	0.228	30	46.540	40.335	24.5	39.2	0.201
Point 17B	45	22	30.448	26.389	16.5	31.2	0.103	36	49.825	43.181	16.5	31.2	0.171	26	35.985	31.187	16.5	31.2	0.124
Point 18	30	26	32.017	27.748	10.0	24.7	0.086	30	36.943	32.017	10.0	24.7	0.100	30	36.943	32.017	10.0	24.7	0.101
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)		**22.981**						**31.828**						**27.728**					
	Depth	SCFH (M)	SCFH (C*)	CFD (V)	PSI (M)	PSIa (P)	#PVRT lbs O	SCFH (M)	SCFH (C*)	CFD (V)	PSI (M)	PSIa (P)	#PVRT lbs O	SCFH (M)	SCFH (C*)	CFD (V)	PSI (M)	PSIa (P)	#PVRT lbs O2
Injection Bank 4																			
Point 7A	65	22	34.776	30.140	26.0	40.7	0.154	45	68.462	59.334	23.0	37.7	0.284	32	47.042	40.770	20.5	35.2	0.183
Point 7B	45	28	39.369	34.120	17.5	32.2	0.138	38	53.012	45.944	17.0	31.7	0.185	30	41.852	36.272	17.0	31.7	0.146
Point 8	30	27	34.244	29.678	11.5	26.2	0.097	32	39.803	34.496	10.5	25.2	0.110	28	34.828	30.184	10.5	25.2	0.097
Point 19A	65	19	28.906	25.052	23.0	37.7	0.118	43	64.104	55.557	21.5	36.2	0.255	32	46.369	40.186	19.5	34.2	0.175
Point 19B	45	28	38.753	33.586	16.5	31.2	0.131	38	53.012	45.944	17.0	31.7	0.185	30	42.507	36.839	18.0	32.7	0.153
Point 20	30	27	33.915	29.393	11.0	25.7	0.095	30	37.315	32.340	10.5	25.2	0.104	26	32.340	28.028	10.5	25.2	0.090
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)		**23.448**						**35.952**						**27.012**					
	Depth	SCFH (M)	SCFH (C*)	CFD (V)	PSI (M)	PSIa (P)	#PVRT lbs O	SCFH (M)	SCFH (C*)	CFD (V)	PSI (M)	PSIa (P)	#PVRT lbs O	SCFH (M)	SCFH (C*)	CFD (V)	PSI (M)	PSIa (P)	#PVRT lbs O2
Injection Bank 5																			
Point 9A	65	26	41.351	35.838	26.5	41.2	0.185	35	56.002	48.535	27.0	41.7	0.257	30	47.713	41.351	26.5	41.2	0.217
Point 9B	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Point 10	30	24	29.555	25.614	10.0	24.7	0.079	28	34.480	29.883	10.0	24.7	0.094	28	34.480	29.883	10.0	24.7	0.094
Point 21A	65	21	32.785	28.414	25.0	39.7	0.141	40	62.448	54.122	25.0	39.7	0.273	24	37.469	32.473	25.0	39.7	0.164
Point 21B	45	30	41.521	35.985	16.5	31.2	0.141	29	40.137	34.785	16.5	31.2	0.138	30	41.521	35.985	16.5	31.2	0.143
Point 22	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)		**17.473**						**24.371**						**19.772**					
	Depth	SCFH (M)	SCFH (C*)	CFD (V)	PSI (M)	PSIa (P)	#PVRT lbs O	SCFH (M)	SCFH (C*)	CFD (V)	PSI (M)	PSIa (P)	#PVRT lbs O	SCFH (M)	SCFH (C*)	CFD (V)	PSI (M)	PSIa (P)	#PVRT lbs O2
Injection Bank 6																			
Point 11A	65	31	48.701	42.208	25.5	40.2	0.213	36	57.602	49.921	27.0	41.7	0.264	34	54.074	46.865	26.5	41.2	0.246
Point 11B	45	30	41.521	35.985	16.5	31.2	0.141	29	40.137	34.785	16.5	31.2	0.138	30	41.852	36.272	17.0	31.7	0.146
Point 12	30	31	38.559	33.418	10.5	25.2	0.105	29	36.071	31.262	10.5	25.2	0.100	30	37.684	32.659	11.0	25.7	0.107
Point 23	65	42	66.391	57.539	26.0	40.7	0.293	40	62.448	54.122	25.0	39.7	0.273	40	62.054	53.780	24.5	39.2	0.268
Point 24A	55	31	46.215	40.053	21.5	36.2	0.182	32	47.706	41.345	21.5	36.2	0.190	32	48.034	41.629	22.0	36.7	0.194
Point 24B	30	29	36.071	31.262	10.5	25.2	0.099	28	35.171	30.482	11.0	25.7	0.100	30	37.315	32.340	10.5	25.2	0.104
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)		**33.028**						**34.076**						**34.100**					
System Total Per Day (lb)		**165.22**						**202.80**						**182.42**					

Appendix C. OU-2 Oxygen Injection System Operational Data
Table C-3. OU-2 33 N. Clinton AvenueThird Quarter 2022
National Grid Bay Shore/Brightwaters Former MGP Site

Weight of Oxygen Injected through Q2 2022: 937,089 lbs

Oxygen to OU-2 - 33 North Clinton

	Operational Days		en Injected Per Month (lbs)
Month 1	Jul-22	31	1,747
Month 2	Aug-22	31	2,898
Month 3	Sep-22	30	2,260
Total Operational Days in Q3 2022			92
Total Oxygen in Q3 2022			6,904.30
Running Total for Oxygen to 33 North Clinton Through Q3 2022 (lbs)			**943,992.96**

Notes:
SCFH (M) = Measured flow rate
SCFH (C*) = Flow rate converted for oxygen (Flow meters are calibrated for air)
CF/D (V) = Volume of oxygen injected per day
PSI (M) = Measured pressure
PSIa (P) = Pressure converted to atmospheric pressure.
n = PV/RT = (lb Moles)
lbs = n*32 lb/lb mole
Temperature = Degrees Rankine
R = Constant (10.73)
* Readings for Sep 2020 taken from Aug 2020 because inspection was not able to be performed.

System Operating Specs
Total of 8 injection banks
Oxygen is injected for 13 minutes during each injection cycle
Each injection bank operates for 3 injection cycles per day
Each injection point injects oxygen for 39 min per day (13 min per cycle * 3 cycles)

Examole
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 713AM
System is recharging 713AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 813AM
System is recharging 813AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 913AM
System is recharging from 913AM to 1000AM
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1013AM
System is recharging from 1013AM to 1100AM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1113AM
System is recharging from 1113AM to 1200PM
Bank 6 starts injection at 1200PM
Bank 6 finishes injection at 1213PM
System is recharging from 1213PM to 100PM
Bank 7 starts injection at 100PM
Bank 7 finishes injection at 113PM
System is recharging from 113PM to 200PM
Bank 8 starts injection at 200PM
Bank 8 finishes injection at 213PM
System is recharging from 213PM to 300PM
(Keep repeating cycle for course of day)

Svstem Downtime

		7/26/2022						8/29/2022						9/23/2022					
	O_2%	22.4						37.6						24.9					
	R	10.73						10.73						10.73					
	Temp R (T)	627						628						623					
Injection Bank 1		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2
	Point 1A	62	30	45.641	29.667	23.0	37.7	0.037	28	42.598	27.689	23.0	37.7	0.058	26	39.293	25.540	22.5	37.2	0.035
	Point 1B	46	26	35.403	23.012	15.5	30.2	0.023	27	36.459	23.698	15.0	29.7	0.039	36	49.020	31.863	15.5	30.2	0.036
	Point 6A	65	24	37.232	24.201	24.5	39.2	0.032	31	48.092	31.260	24.5	39.2	0.068	42	64.740	42.081	24.0	38.7	0.061
	Point 6B	46	30	41.852	27.204	17.0	31.7	0.029	30	41.521	26.988	16.5	31.2	0.047	32	44.289	28.788	16.5	31.2	0.033
	Point 11	46	30	41.521	26.988	16.5	31.2	0.028	28	35.985	23.390	16.5	31.2	0.041	39	53.543	34.803	18.0	30.7	0.040
	Point 35	41	30	39.122	25.430	13.0	27.7	0.023	26	33.906	22.039	13.0	27.7	0.034	44	57.380	37.297	13.0	27.7	0.038
	Point 40	41	30	39.474	25.658	13.5	28.2	0.024	27	35.527	23.092	13.5	28.2	0.036	45	59.211	38.487	13.5	28.2	0.040
	Point 45	31	29	34.981	22.738	9.0	23.7	0.018	25	29.837	19.394	8.5	23.2	0.025	41	48.932	31.806	8.5	23.2	0.027
	Total Oxygen Injected Per Day (lb)				**6.854**						**11.171**						**9.969**		
Injection Bank 2		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2
	Point 2A	67	26	41.099	26.715	26.0	40.7	0.036	42	66.391	43.154	26.0	40.7	0.098	40	63.230	41.099	26.0	40.7	0.062
	Point 2B	46	27	37.068	24.094	16.0	30.7	0.025	38	52.170	33.910	16.0	30.7	0.058	35	48.051	31.233	16.0	30.7	0.036
	Point 7A	65	28	43.160	28.054	24.0	38.7	0.036	36	55.491	36.069	24.0	38.7	0.076	35	53.950	35.067	24.0	38.7	0.051
	Point 7B	41	25	34.877	22.670	17.0	31.7	0.024	10	13.840	8.996	16.5	31.2	0.016	34	47.057	30.587	16.5	31.2	0.036
	Point 12	46	26	35.695	23.202	16.0	30.7	0.024	11	15.102	9.816	16.0	30.7	0.017	34	46.678	30.341	16.0	30.7	0.035
	Point 36	36	36	34.200	22.230	0.0	14.7	0.011	10	9.500	6.175	0.0	14.7	0.005	22	20.900	13.585	0.0	14.7	0.007
	Point 41	41	24	31.579	20.526	13.5	28.2	0.019	28	37.490	24.368	14.5	29.2	0.040	38	50.000	32.500	13.5	28.2	0.034
	Point 46	46	30	37.684	24.494	11.0	25.7	0.021	10	12.314	8.004	10.0	24.7	0.011	12	15.079	9.798	11.0	25.7	0.009
	Total Oxygen Injected Per Day (lb)				**6.263**						**10.312**						**8.633**		
Injection Bank 3		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2
	Point 3A	65	32	50.272	32.677	25.5	40.2	0.044	24	37.704	24.508	25.5	40.2	0.055	40	62.840	40.846	25.5	40.2	0.061
	Point 3B	46	28	38.441	24.987	16.0	30.7	0.026	25	34.322	22.309	16.0	30.7	0.038	37	50.797	33.018	16.0	30.7	0.038
	Point 8A	71	30	49.139	31.940	29.0	43.7	0.046	30	48.857	31.757	28.5	43.2	0.077	22	35.829	23.289	28.5	43.2	0.037
	Point 8B	46	28	38.441	24.987	16.0	30.7	0.026	27	36.765	23.897	15.5	30.2	0.040	37	50.797	33.018	16.0	30.7	0.038
	Point 32A	63.5	26	40.077	26.050	24.0	38.7	0.034	26	39.817	25.881	23.5	38.2	0.055	36	55.131	35.835	23.5	38.2	0.051
	Point 32B	36	26	32.659	21.228	11.0	25.7	0.018	26	32.659	21.228	11.0	25.7	0.030	41	51.501	33.476	11.0	25.7	0.032
	Point 37	41	26	34.211	22.237	13.5	28.2	0.021	25	32.895	21.382	13.5	28.2	0.034	37	48.685	31.645	13.5	28.2	0.033
	Point 42	36	25	31.403	20.412	11.0	25.7	0.017	25	31.403	20.412	11.0	25.7	0.029	46	58.341	37.922	11.5	26.2	0.037
	Total Oxygen Injected Per Day (lb)				**7.404**						**11.473**						**10.478**		
Injection Bank 4		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2
	Point 4A	69	30	48.001	31.201	27.0	41.7	0.043	33	52.484	34.115	26.5	41.2	0.078	28	44.532	28.946	26.5	41.2	0.044
	Point 4B	46	25	34.600	22.490	16.5	31.2	0.023	25	34.600	22.490	16.5	31.2	0.039	40	55.361	35.985	16.5	31.2	0.042
	Point 9A	71	48	77.261	50.220	27.5	42.2	0.071	44	70.402	45.761	27.0	41.7	0.106	26	41.601	27.041	27.0	41.7	0.042
	Point 9B	46	30	41.521	26.988	16.5	31.2	0.028	10	10.571	6.871	3.5	18.2	0.007	16	21.966	14.278	16.0	30.7	0.016
	Point 33	42	28	37.168	24.159	14.0	28.7	0.023	20	26.316	17.105	13.5	28.2	0.027	46	60.527	39.342	13.5	28.2	0.041
	Point 38	36	27	34.244	22.258	11.5	26.2	0.019	21	26.379	17.146	11.0	25.7	0.025	44	55.269	35.925	11.0	25.7	0.034
	Point 43	31	25	30.156	19.602	9.0	23.7	0.015	23	27.744	18.034	9.0	23.7	0.024	43	51.319	33.357	8.5	23.2	0.029
	Point 48	55	20	29.192	18.975	20.0	34.7	0.022	25	36.226	23.547	19.5	34.2	0.045	30	43.788	28.462	20.0	34.7	0.037
	Total Oxygen Injected Per Day (lb)				**7.846**						**11.242**						**9.149**		
Injection Bank 5		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2
	Point 5A	67	30	46.836	30.444	25.0	39.7	0.040	35	54.642	35.517	25.0	39.7	0.079	32	49.959	32.473	25.0	39.7	0.048
	Point 5B	45	29	39.814	25.879	16.0	30.7	0.026	30	41.187	26.771	16.0	30.7	0.046	35	48.051	31.233	16.0	30.7	0.036
	Point 10	56	34	49.626	32.257	20.0	34.7	0.037	41	59.843	38.898	20.0	34.7	0.075	36	52.545	34.154	20.0	34.7	0.044
	Point 34	36	26	33.599	21.839	12.5	27.2	0.020	32	40.970	26.631	12.0	26.7	0.040	38	48.652	31.624	12.0	26.7	0.031
	Point 39	26	25	28.856	18.756	7.0	21.7	0.014	31	35.367	22.988	6.5	21.2	0.027	36	41.071	26.696	6.5	21.2	0.021
	Point 44	41	28	35.171	22.861	11.0	25.7	0.020	30	37.684	24.494	11.0	25.7	0.035	38	47.733	31.026	11.0	25.7	0.030
	Point 47	55	27	39.124	25.431	19.5	34.2	0.029	31	44.590	28.984	19.0	33.7	0.055	32	46.029	29.919	19.0	33.7	0.038
	Point 49	55	28	40.868	26.564	20.0	34.7	0.031	29	42.328	27.513	20.0	34.7	0.053	32	46.368	30.140	19.5	34.2	0.038
	Total Oxygen Injected Per Day (lb)				**6.828**						**13.108**						**9.154**		
Injection Bank 6		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2
	Point 16	40	27	35.527	23.092	13.5	28.2	0.022	30	40.510	26.332	15.0	29.7	0.044	36	48.612	31.598	15.0	29.7	0.035
	Point 19	40	25	23.750	15.438	0.0	14.7	0.008	28	26.600	17.290	0.0	14.7	0.014	37	35.150	22.848	0.0	14.7	0.013
	Point 22	40	24	32.134	20.887	14.5	29.2	0.020	28	37.168	24.159	14.0	28.7	0.039	42	55.751	36.238	14.0	28.7	0.039
	Point 25A	60	33	50.537	32.849	23.5	38.2	0.042	37	56.291	36.589	23.0	37.7	0.077	34	51.727	33.622	23.0	37.7	0.047
	Point 25B	29	20	24.629	16.009	10.0	24.7	0.013	26	31.892	20.600	9.5	24.2	0.028	37	45.100	29.315	9.5	24.2	0.026
	Point 28	50	25	38.535	25.048	24.0	38.7	0.032	26	37.120	24.128	18.5	33.2	0.045	35	49.969	32.480	18.5	33.2	0.040
	Point 31A	69	38	61.165	39.757	27.5	42.2	0.058	45	72.002	46.801	27.0	41.7	0.109	25	40.001	26.001	27.0	41.7	0.040
	Point 31B	40	23	30.795	20.017	14.5	29.2	0.019	29	38.829	25.239	14.5	29.2	0.041	45	59.734	38.827	14.0	28.7	0.042
	Total Oxygen Injected Per Day (lb)				**6.787**						**12.672**						**9.021**		
Injection Bank 7		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2
	Point 14	39	25	33.185	21.570	14.0	28.7	0.021	30	40.510	26.332	15.0	29.7	0.044	35	47.658	30.978	15.5	30.2	0.035
	Point 17	40	30	39.122	25.430	13.0	27.7	0.023	30	39.122	25.430	13.0	27.7	0.039	29	37.475	24.359	12.5	27.2	0.025
	Point 20	40	20	27.007	17.554	15.0	29.7	0.017	30	40.168	26.109	14.5	29.2	0.043	38	50.879	33.071	14.5	29.2	0.036
	Point 23	40	23	30.795	20.017	14.5	29.2	0.019	29	38.495	25.022	14.0	28.7	0.040	38	50.442	32.787	14.0	28.7	0.035
	Point 26A	60	25	38.034	24.722	23.0	37.7	0.031	31	47.163	30.656	23.0	37.7	0.064	45	68.008	44.204	22.5	37.2	0.061
	Point 26B	29	20	26.082	16.953	13.0	27.7	0.016	30	38.768	25.199	12.5	27.2	0.038	39	50.398	32.759	12.5	27.2	0.033
	Point 29A	66	30	47.130	30.635	25.5	40.2	0.041	25	39.275	25.529	25.5	40.2	0.057	26	40.846	26.550	25.5	40.2	0.040
	Point 29B	40	25	33.759	21.943	15.0	29.7	0.022	30	40.168	26.109	14.5	29.2	0.043	32	42.846	27.850	14.5	29.2	0.030
	Total Oxygen Injected Per Day (lb)				**6.088**						**11.779**						**9.441**		
Injection Bank 8		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	lePVRT lbs O2
	Point 13	40	37	49.114	31.924	14.0	28.7	0.031	30	37.684	24.494	11.0	25.7	0.035	33	44.935	29.208	15.5	30.2	0.033
	Point 15	40	35	47.658	30.978	15.5	30.2	0.031	30	39.122	25.430	13.0	27.7	0.039	33	44.561	28.965	15.0	29.7	0.032
	Point 50	55	32	46.369	30.140	19.5	34.2	0.034	25	36.226	23.547	19.5	34.2	0.045	33	47.467	30.854	19.0	33.7	0.039
	Point 21	40	32	42.477	27.610	14.0	28.7	0.026	28	37.168	24.159	14.0	28.7	0.039	41	53.948	35.066	13.5	28.2	0.037
	Point 24	55	34	49.982	32.488	20.5	35.2	0.038	34	49.982	32.488	20.5	35.2	0.064	37	54.392	35.355	20.5	35.2	0.046
	Point 27A	65	29	45.275	29.429	25.0	39.7	0.039	32	49.959	32.473	25.0	39.7	0.072	30	46.836	30.444	25.0	39.7	0.045
	Point 27B	33	30	38.768	25.199	12.5	27.2	0.023	25	32.306	20.999	12.5	27.2	0.032	27	34.891	22.679	12.5	27.2	0.023
	Point 30	50	32	46.029	29.919	19.0	33.7	0.034	23	33.083	21.504	19.0	33.7	0.040	36	51.397	33.408	18.5	33.2	0.041
	Total Oxygen Injected Per Day (lb)				**8.183**						**11.716**						**9.476**		
	System Total Per Day (lb)				**56.35**						**93.47**						**75.32**		

Weight of Oxygen Injected through Q3 2022: 943,993 lbs

Oxygen to OU-2 - 33 North Clinton

	Operational Days		Injected Per Month (lbs)
Month 1	Oct-22	31	4,070
Month 2	Nov-22	30	5,298
Month 3	Dec-22	31	4,936
Total Operational Days in Q4 2022		92	
Total Oxygen in Q4 2022			14,303.99
Running Total for Oxygen to 33 North Clinton Through Q4 2022 (lbs)			**958,296.95**

Notes:
SCFH (M) = Measured flow rate
SCFH (C*) = Flow rate converted for oxygen (Flow meters are calibrated for air)
CF/D (V) = Volume of oxygen injected per day
PSI (M) = Measured pressure
PSIa (P) = Pressure converted to atmospheric pressure.
n = PV/RT = (lb Moles)
lbs = n*32 lb/lb mole
Temperature = Degrees Rankine
R = Constant (10.73)
* Readings for Sep 2020 taken from Aug 2020 because insection was not able to be performed.

System Operating Specs
Total of 8 injection banks
Oxygen is injected for 13 minutes during each injection cycle
Each injection bank operates for 3 injection cycles per day
Each injection point injects oxygen for 39 min per day (13 min per cycle * 3 cycles)

Example
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 713AM
System is recharging 713AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 813AM
System is recharging 813AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 913AM
System is recharging from 913AM to 1000AM
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1013AM
System is recharging from 1013AM to 1100AM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1113AM
System is recharging from 1113AM to 1200PM
Bank 6 starts injection at 1200PM
Bank 6 finishes injection at 1213PM
System is recharging from 1213PM to 100PM
Bank 7 starts injection at 100PM
Bank 7 finishes injection at 113PM
System is recharging from 113PM to 200PM
Bank 8 starts injection at 200PM
Bank 8 finishes injection at 213PM
System is recharging from 213PM to 300PM
(Keep repeating cycle for course of day)

System Downtime
10/14/21-10/20-21 - Magnetic Starter circuit for booster pump burned out
0700-1400
12/6/21 - Biannual maintenance
1100-1300

			10/19/2022						11/17/2022						12/21/2022					
	O_2%		48.51						61.1						52.6					
	R		10.73						10.73						10.73					
	Temp R (T)		625						627						625					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n
Injection Bank 1	Point 1A	62	30	45.338	29.469	22.5	37.2	0.079	36	54.769	35.600	23.0	37.7	0.122	38	57.812	37.578	23.0	37.7	0.111
	Point 1B	46	26	35.403	23.012	15.5	30.2	0.050	35	48.051	31.233	16.0	30.7	0.087	30	40.850	26.552	15.5	30.2	0.063
	Point 6A	65	32	49.325	32.061	24.0	38.7	0.090	41	63.605	41.343	24.5	39.2	0.147	26	40.335	26.218	24.5	39.2	0.081
	Point 6B	46	26	35.985	23.390	16.5	31.2	0.053	32	44.289	28.788	16.5	31.2	0.082	30	41.852	27.204	17.0	31.7	0.068
	Point 11	46	20	27.458	17.848	16.0	30.7	0.040	34	47.057	30.587	16.5	31.2	0.087	30	41.852	27.204	17.0	31.7	0.068
	Point 35	41	22	28.690	18.648	13.0	27.7	0.037	40	52.163	33.906	13.0	27.7	0.085	34	45.132	29.336	14.0	28.7	0.066
	Point 40	41	22	28.948	18.816	13.5	28.2	0.038	39	51.316	33.356	13.5	28.2	0.085	36	47.787	31.061	14.0	28.7	0.070
	Point 45	31	22	26.538	17.249	9.0	23.7	0.030	36	43.425	28.226	9.0	23.7	0.061	32	39.005	25.353	9.5	24.2	0.048
	Total Oxygen Injected Per Day (lb)		**13.346**						**24.188**						**18.367**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n
Injection Bank 2	Point 2A	67	58	91.683	59.594	26.0	40.7	0.175	25	33.759	21.943	15.0	29.7	0.059	38	60.436	39.284	26.5	41.2	0.127
	Point 2B	46	34	47.432	30.831	17.0	31.7	0.071	28	38.753	25.188	16.5	31.2	0.071	30	41.521	26.988	16.5	31.2	0.066
	Point 7A	65	50	77.071	50.096	24.0	38.7	0.140	20	31.027	20.167	24.5	39.2	0.072	40	62.054	40.335	24.5	39.2	0.124
	Point 7B	41	32	44.993	29.245	17.5	32.2	0.068	28	39.369	25.590	17.5	32.2	0.075	32	44.993	29.245	17.5	32.2	0.074
	Point 12	46	34	47.057	30.587	16.5	31.2	0.069	27	37.369	24.290	16.5	31.2	0.069	32	44.289	28.788	16.5	31.2	0.070
	Point 36	36	30	28.500	18.525	0.0	14.7	0.020	29	27.550	17.908	0.0	14.7	0.024	30	28.500	18.525	0.0	14.7	0.021
	Point 41	41	36	47.787	31.061	14.0	28.7	0.064	28	37.168	24.159	14.0	28.7	0.063	30	39.822	25.885	14.0	28.7	0.058
	Point 46	46	30	38.048	24.731	11.5	26.2	0.047	25	31.403	20.412	11.0	25.7	0.048	26	32.975	21.434	11.5	26.2	0.044
	Total Oxygen Injected Per Day (lb)		**20.947**						**15.377**						**18.720**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n
Injection Bank 3	Point 3A	65	32	50.272	32.677	25.5	40.2	0.095	25	38.535	25.048	24.0	38.7	0.088	30	47.422	30.825	26.0	40.7	0.098
	Point 3B	46	30	41.187	26.771	16.0	30.7	0.059	32	43.932	28.556	16.0	30.7	0.080	30	41.187	26.771	16.0	30.7	0.064
	Point 8A	71	26	42.587	27.682	29.0	43.7	0.088	24	39.311	25.552	29.0	43.7	0.101	24	39.311	25.552	29.0	43.7	0.088
	Point 8B	46	30	41.187	26.771	16.0	30.7	0.059	33	45.305	29.448	16.0	30.7	0.082	30	41.187	26.771	16.0	30.7	0.064
	Point 32A	63.5	30	45.943	29.863	23.5	38.2	0.083	30	46.243	30.058	24.0	38.7	0.106	26	39.817	25.881	23.5	38.2	0.078
	Point 32B	36	26	32.659	21.228	11.0	25.7	0.039	36	45.220	29.393	11.0	25.7	0.069	34	43.122	28.029	11.5	26.2	0.058
	Point 37	41	30	39.474	25.658	13.5	28.2	0.052	35	46.053	29.934	13.5	28.2	0.077	38	50.000	32.500	13.5	28.2	0.072
	Point 42	36	24	30.439	19.785	11.5	26.2	0.037	38	48.195	31.327	11.5	26.2	0.075	36	45.658	29.678	11.5	26.2	0.061
	Total Oxygen Injected Per Day (lb)		**16.424**						**21.652**						**18.654**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n
Injection Bank 4	Point 4A	69	30	47.713	31.013	26.5	41.2	0.092	30	47.713	31.013	26.5	41.2	0.116	36	57.602	37.441	27.0	41.7	0.122
	Point 4B	46	26	35.985	23.390	16.5	31.2	0.053	30	41.521	26.988	16.5	31.2	0.076	36	49.825	32.386	16.5	31.2	0.079
	Point 9A	71	38	61.165	39.757	27.5	42.2	0.121	45	72.002	46.801	27.0	41.7	0.177	40	64.384	41.850	27.5	42.2	0.139
	Point 9B	46	28	38.753	25.189	16.5	31.2	0.057	35	48.441	31.486	16.5	31.2	0.089	32	44.289	28.788	16.5	31.2	0.070
	Point 33	42	26	34.513	22.433	14.0	28.7	0.047	38	50.442	32.797	14.0	28.7	0.085	34	45.132	29.336	14.0	28.7	0.066
	Point 38	36	20	25.366	16.488	11.5	26.2	0.031	35	43.964	28.577	11.0	25.7	0.067	34	43.122	28.029	11.5	26.2	0.058
	Point 43	31	28	33.775	21.954	9.0	23.7	0.038	37	44.631	29.010	9.0	23.7	0.062	34	41.013	26.658	9.0	23.7	0.050
	Point 48	55	28	40.868	26.564	20.0	34.7	0.067	26	37.949	24.667	20.0	34.7	0.078	16	23.521	15.289	20.5	35.2	0.042
	Total Oxygen Injected Per Day (lb)		**16.178**						**24.042**						**20.035**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n
Injection Bank 5	Point 5A	67	30	46.836	30.444	25.0	39.7	0.087	36	52.545	34.154	20.0	34.7	0.108	38	59.698	38.804	25.5	40.2	0.122
	Point 5B	45	26	35.985	23.390	16.5	31.2	0.053	30	41.187	26.771	16.0	30.7	0.075	30	41.521	26.988	16.5	31.2	0.066
	Point 10	56	30	43.788	28.462	20.0	34.7	0.071	38	55.862	36.311	20.5	35.2	0.116	40	58.803	38.222	20.5	35.2	0.106
	Point 34	36	20	25.845	16.799	12.5	27.2	0.033	28	36.183	23.519	12.5	27.2	0.058	36	46.521	30.239	12.5	27.2	0.065
	Point 39	26	28	31.944	20.764	6.5	21.2	0.032	32	36.508	23.730	6.5	21.2	0.046	32	36.508	23.730	6.5	21.2	0.039
	Point 44	41	28	35.171	22.861	11.0	25.7	0.042	34	42.708	27.760	11.0	25.7	0.065	34	43.122	28.029	11.5	26.2	0.058
	Point 47	55	34	49.267	32.024	19.5	34.2	0.079	31	44.920	29.196	19.5	34.2	0.091	32	46.369	30.140	19.5	34.2	0.081
	Point 49	55	28	41.162	26.755	20.5	35.2	0.068	31	45.247	29.411	20.0	34.7	0.093	32	47.042	30.577	20.5	35.2	0.084
	Total Oxygen Injected Per Day (lb)		**14.925**						**20.810**						**19.864**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n
Injection Bank 6	Point 16	40	26	35.109	22.821	15.0	29.7	0.049	26	35.109	22.821	15.0	29.7	0.062	40	54.014	35.109	15.0	29.7	0.082
	Point 19	40	24	22.800	14.820	0.0	14.7	0.016	35	33.250	21.613	0.0	14.7	0.029	34	32.300	20.995	0.0	14.7	0.024
	Point 22	40	22	29.456	19.147	14.5	29.2	0.040	28	37.490	24.368	14.5	29.2	0.065	38	50.879	33.071	14.5	29.2	0.076
	Point 25A	60	38	58.194	37.826	23.5	38.2	0.105	30	45.943	29.863	23.5	38.2	0.104	52	80.154	52.100	24.0	38.7	0.158
	Point 25B	29	18	22.166	14.408	10.0	24.7	0.026	34	41.869	27.215	10.0	24.7	0.061	40	49.258	32.017	10.0	24.7	0.062
	Point 28	50	28	40.275	26.179	19.0	33.7	0.064	35	50.344	32.724	19.0	33.7	0.100	40	57.987	37.691	19.5	34.2	0.101
	Point 31A	69	50	80.481	52.312	27.5	42.2	0.160	24	38.631	25.110	27.5	42.2	0.096	20	32.192	20.925	27.5	42.2	0.069
	Point 31B	40	22	29.456	19.147	14.5	29.2	0.040	36	48.201	31.331	14.5	29.2	0.083	42	56.714	36.864	15.0	29.7	0.086
	Total Oxygen Injected Per Day (lb)		**15.982**						**19.173**						**21.064**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n
Injection Bank 7	Point 14	39	32	43.573	28.323	15.5	30.2	0.062	35	47.658	30.978	15.5	30.2	0.085	36	49.020	31.863	15.5	30.2	0.075
	Point 17	40	34	44.339	28.820	13.0	27.7	0.058	32	41.731	27.125	13.0	27.7	0.068	36	46.947	30.516	13.0	27.7	0.066
	Point 20	40	28	37.490	24.368	14.5	29.2	0.051	35	47.262	30.720	15.0	29.7	0.083	30	40.168	26.109	14.5	29.2	0.060
	Point 23	40	28	37.490	24.368	14.5	29.2	0.051	34	45.523	29.590	14.5	29.2	0.078	44	58.913	38.293	14.5	29.2	0.088
	Point 26A	60	42	64.320	41.808	23.5	38.2	0.116	31	47.163	30.656	23.0	37.7	0.105	32	49.006	31.854	23.5	38.2	0.095
	Point 26B	29	24	31.014	20.159	12.5	27.2	0.040	39	50.859	33.058	13.0	27.7	0.083	32	41.731	27.125	13.0	27.7	0.059
	Point 29A	66	30	47.130	30.635	25.5	40.2	0.089	22	34.776	22.605	26.0	40.7	0.084	26	41.099	26.715	26.0	40.7	0.085
	Point 29B	40	26	35.109	22.821	15.0	29.7	0.049	32	43.211	28.087	15.0	29.7	0.076	30	40.510	26.332	15.0	29.7	0.061
	Total Oxygen Injected Per Day (lb)		**16.507**						**21.183**						**18.888**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	nPV/RT lbs (n
Injection Bank 8	Point 13	40	32	42.477	27.610	14.0	28.7	0.057	50	62.806	40.824	11.0	25.7	0.095	30	38.048	24.731	11.5	26.2	0.051
	Point 15	40	30	40.168	26.109	14.5	29.2	0.055	50	64.016	41.611	12.0	26.7	0.101	30	38.768	25.199	12.5	27.2	0.054
	Point 50	55	26	37.675	24.489	19.5	34.2	0.061	40	57.961	37.675	19.5	34.2	0.117	50	72.452	47.094	19.5	34.2	0.126
	Point 21	40	26	34.513	22.433	14.0	28.7	0.047	48	64.268	41.774	14.5	29.2	0.111	36	47.787	31.061	14.0	28.7	0.070
	Point 24	55	40	59.219	38.492	21.0	35.7	0.099	50	74.023	48.115	21.0	35.7	0.156	42	61.303	39.847	20.0	34.7	0.108
	Point 27A	65	36	56.556	36.762	25.5	40.2	0.107	52	81.692	53.100	25.5	40.2	0.194	52	81.183	52.769	25.0	39.7	0.164
	Point 27B	33	24	31.014	20.159	12.5	27.2	0.040	38	49.555	32.211	13.0	27.7	0.081	30	39.474	25.658	13.5	28.2	0.057
	Point 30	50	28	40.573	26.372	19.5	34.2	0.065	38	50.879	33.071	14.5	29.2	0.088	42	61.303	39.847	20.0	34.7	0.108
	Total Oxygen Injected Per Day (lb)		**16.986**						**30.163**						**23.641**					
	System Total Per Day (lb)		**131.29**						**176.59**						**159.23**					

Appendix C. OU-2 Oxygen Injection System Operational Data
Table C-3. OU-2 33 N. Clinton Avenue First Quarter 2023
National Grid Bay Shore/Brightwaters Former MGP Site

Weight of Oxygen Injected through Q4 2022: 958,297 lbs
0

Oxygen to OU-2 - 33 North Clinton

	Operational Days		Injected Per Month (lbs)
Month 1	Jan-23	31	6,292
Month 2	Feb-23	28	3,292
Month 3	Mar-23	31	2,804
Total Operational Days in Q4 2022			90
Total Oxygen in Q4 2022			12,387.99
Running Total for Oxygen to 33 North Clinton Through Q4 2022 (lbs)			**970,684.94**

Notes:
SCFH (M) = Measured flow rate
SCFH (C*) = Flow rate converted for oxygen (Flow meters are calibrated for air)
CF/D (V) = Volume of oxygen injected per day
PSI (M) = Measured pressure
PSIa (P) = Pressure converted to atmospheric pressure.
n = PV/RT = (lb Moles)
lbs = n*32 lb/lb mole
Temperature = Degrees Rankine
R = Constant (10.73)
* Readings for Sep 2020 taken from Aug 2020 because inspection was not able to be performed.

System Operating Specs
Total of 8 injection banks
Oxygen is injected for 13 minutes during each injection cycle
Each injection bank operates for 3 injection cycles per day
Each injection point injects oxygen for 39 min per day (13 min per cycle * 3 cycles)

Example
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 713AM
System is recharging 713AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 813AM
System is recharging 813AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 913AM
System is recharging from 913AM to 1000AM
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1013AM
System is recharging from 1013AM to 1100AM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1113AM
System is recharging from 1113AM to 1200PM
Bank 6 starts injection at 1200PM
Bank 6 finishes injection at 1213PM
System is recharging from 1213PM to 100PM
Bank 7 starts injection at 100PM
Bank 7 finishes injection at 113PM
System is recharging from 113PM to 200PM
Bank 8 starts injection at 200PM
Bank 8 finishes injection at 213PM
System is recharging from 213PM to 300PM
(Keep repeating cycle for course of day)

System Downtime
10/14/21-10/20-21 - Magnetic Starter
circuit for booster pump burned out
0700-1400
12/6/21 - Biannual maintenance
1100-1300

			1/23/2023						2/22/2023						4/7/2023					
	O_2%		76.3						42.7						39.3					
	R		10.73						10.73						10.73					
	Temp R (T)		619						623						623					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 1	Point 1A	62	40	60.895	39.556	23.0	37.7	0.171	20	30.629	19.909	23.5	38.2	0.049	26	39.817	25.881	23.5	38.2	0.058
	Point 1B	46	30	41.187	26.771	16.0	30.7	0.094	32	43.573	28.323	15.5	30.2	0.055	24	32.949	21.417	16.0	30.7	0.039
	Point 6A	65	26	40.335	26.218	24.5	39.2	0.118	30	46.540	30.251	24.5	39.2	0.076	26	40.591	26.384	25.0	39.7	0.062
	Point 6B	46	30	41.521	26.988	16.5	31.2	0.097	30	41.521	26.988	16.5	31.2	0.054	26	36.272	23.577	17.0	31.7	0.044
	Point 11	46	30	41.521	26.988	16.5	31.2	0.097	31	42.905	27.888	16.5	31.2	0.056	23	31.832	20.691	16.5	31.2	0.038
	Point 35	41	28	36.842	23.948	13.5	28.2	0.078	30	39.122	25.430	13.0	27.7	0.045	19	24.778	16.105	13.0	27.7	0.026
	Point 40	41	30	39.822	25.885	14.0	28.7	0.085	37	48.685	31.645	13.5	28.2	0.057	26	34.211	22.237	13.5	28.2	0.037
	Point 45	31	30	36.567	23.769	9.5	24.2	0.066	32	38.600	25.090	9.0	23.7	0.038	22	26.538	17.249	9.0	23.7	0.024
	Total Oxygen Injected Per Day (lb)		**25.800**						**13.706**						**10.476**					
Injection Bank 2	Point 2A	67	26	41.099	26.715	26.0	40.7	0.125	40	63.230	41.099	26.0	40.7	0.107	24	38.170	24.811	26.5	41.2	0.060
	Point 2B	46	26	35.985	23.390	16.5	31.2	0.084	31	42.905	27.888	16.5	31.2	0.056	22	30.448	19.791	16.5	31.2	0.036
	Point 7A	65	38	58.574	38.073	24.0	38.7	0.169	34	52.746	34.285	24.5	39.2	0.086	23	35.681	23.193	24.5	39.2	0.053
	Point 7B	41	26	36.557	23.762	17.5	32.2	0.088	30	41.852	27.204	17.0	31.7	0.055	19	26.506	17.229	17.0	31.7	0.032
	Point 12	46	30	41.521	26.988	16.5	31.2	0.097	30	41.521	26.988	16.5	31.2	0.054	25	34.600	22.490	16.5	31.2	0.041
	Point 36	36	30	28.500	18.525	0.0	14.7	0.031	30	28.500	18.525	0.0	14.7	0.017	23	21.850	14.203	0.0	14.7	0.012
	Point 41	41	30	39.822	25.885	14.0	28.7	0.085	33	43.805	28.473	14.0	28.7	0.052	23	30.530	19.845	14.0	28.7	0.033
	Point 46	46	24	30.439	19.785	11.5	26.2	0.060	28	35.512	23.083	11.5	26.2	0.039	28	35.512	23.083	11.5	26.2	0.036
	Total Oxygen Injected Per Day (lb)		**23.642**						**14.892**						**9.745**					
Injection Bank 3	Point 3A	65	30	47.422	30.825	26.0	40.7	0.144	31	49.003	31.852	26.0	40.7	0.083	23	36.357	23.632	26.0	40.7	0.057
	Point 3B	46	30	41.521	26.988	16.5	31.2	0.097	30	41.187	26.771	16.0	30.7	0.052	24	32.949	21.417	16.0	30.7	0.039
	Point 8A	71	30	49.139	31.940	29.0	43.7	0.160	31	50.777	33.005	29.0	43.7	0.092	32	52.415	34.070	29.0	43.7	0.088
	Point 8B	46	30	41.187	26.771	16.0	30.7	0.094	30	41.187	26.771	16.0	30.7	0.052	24	32.949	21.417	16.0	30.7	0.039
	Point 32A	63.5	26	40.077	26.050	24.0	38.7	0.116	34	52.746	34.285	24.5	39.2	0.086	22	33.911	22.042	24.0	38.7	0.050
	Point 32B	36	26	32.659	21.228	11.0	25.7	0.063	26	32.975	21.434	11.5	26.2	0.036	19	23.866	15.513	11.0	25.7	0.023
	Point 37	41	30	39.822	25.885	14.0	28.7	0.085	30	39.474	25.658	13.5	28.2	0.046	23	30.263	19.671	13.5	28.2	0.033
	Point 42	36	26	32.975	21.434	11.5	26.2	0.065	29	36.780	23.907	11.5	26.2	0.040	17	21.561	14.015	11.5	26.2	0.022
	Total Oxygen Injected Per Day (lb)		**26.366**						**15.612**						**11.174**					
Injection Bank 4	Point 4A	69	30	47.713	31.013	26.5	41.2	0.147	40	64.002	41.601	27.0	41.7	0.111	28	44.801	29.121	27.0	41.7	0.071
	Point 4B	46	30	41.852	27.204	17.0	31.7	0.099	26	35.985	23.390	16.5	31.2	0.047	20	27.680	17.992	16.5	31.2	0.033
	Point 9A	71	22	35.411	23.017	27.5	42.2	0.112	29	46.954	30.520	28.0	42.7	0.083	35	56.336	36.619	27.5	42.2	0.091
	Point 9B	46	30	41.852	27.204	17.0	31.7	0.099	30	41.521	26.988	16.5	31.2	0.054	23	31.832	20.691	16.5	31.2	0.038
	Point 33	42	30	39.822	25.885	14.0	28.7	0.085	30	39.822	25.885	14.0	28.7	0.047	20	26.548	17.256	14.0	28.7	0.029
	Point 38	36	30	38.048	24.731	11.5	26.2	0.074	30	38.048	24.731	11.5	26.2	0.041	22	27.902	18.136	11.5	26.2	0.028
	Point 43	31	30	36.188	23.522	9.0	23.7	0.064	30	36.188	23.522	9.0	23.7	0.036	23	27.744	18.034	9.0	23.7	0.025
	Point 48	55	30	44.102	28.666	20.5	35.2	0.116	29	42.632	27.711	20.5	35.2	0.062	25	36.490	23.718	20.0	34.7	0.048
	Total Oxygen Injected Per Day (lb)		**25.480**						**15.399**						**11.640**					
Injection Bank 5	Point 5A	67	30	47.130	30.635	25.5	40.2	0.141	24	37.469	24.355	25.0	39.7	0.062	30	47.130	30.635	25.5	40.2	0.072
	Point 5B	45	30	41.521	26.988	16.5	31.2	0.097	24	33.216	21.591	16.5	31.2	0.043	28	38.753	25.189	16.5	31.2	0.046
	Point 10	56	40	58.803	38.222	20.5	35.2	0.155	42	62.180	40.417	21.0	35.7	0.092	28	41.162	26.755	20.5	35.2	0.055
	Point 34	36	30	38.768	25.199	12.5	27.2	0.079	26	33.599	21.839	12.5	27.2	0.038	23	29.722	19.319	12.5	27.2	0.031
	Point 39	26	32	36.508	23.730	6.5	21.2	0.058	30	34.226	22.247	6.5	21.2	0.030	24	27.702	18.006	7.0	21.7	0.023
	Point 44	41	30	38.048	24.731	11.5	26.2	0.074	27	34.244	22.258	11.5	26.2	0.037	26	32.975	21.434	11.5	26.2	0.033
	Point 47	55	30	43.471	28.256	19.5	34.2	0.111	25	35.960	23.374	19.0	33.7	0.050	31	44.920	29.198	19.5	34.2	0.059
	Point 49	55	30	43.788	28.462	20.0	34.7	0.113	25	36.226	23.547	19.5	34.2	0.051	30	43.788	28.462	20.0	34.7	0.058
	Total Oxygen Injected Per Day (lb)		**26.502**						**12.929**						**12.084**					
Injection Bank 6	Point 16	40	26	35.403	23.012	15.5	30.2	0.080	28	37.810	24.576	15.0	29.7	0.047	25	34.041	22.127	15.5	30.2	0.039
	Point 19	40	32	30.400	19.760	0.0	14.7	0.033	33	31.350	20.378	0.0	14.7	0.019	22	20.900	13.585	0.0	14.7	0.012
	Point 22	40	32	42.846	27.850	14.5	29.2	0.093	32	42.846	27.850	14.5	29.2	0.052	24	32.134	20.887	14.5	29.2	0.036
	Point 25A	60	32	49.006	31.854	23.5	38.2	0.140	36	55.131	35.835	23.5	38.2	0.087	46	70.905	46.088	24.0	38.7	0.105
	Point 25B	29	30	36.943	24.013	10.0	24.7	0.068	34	41.869	27.215	10.0	24.7	0.043	21	25.860	16.809	10.0	24.7	0.024
	Point 28	50	34	48.906	31.789	19.0	33.7	0.123	33	47.467	30.854	19.0	33.7	0.066	27	38.837	25.244	19.0	33.7	0.050
	Point 31A	69	30	48.288	31.387	27.5	42.2	0.152	31	49.898	32.434	27.5	42.2	0.087	42	67.604	43.942	27.5	42.2	0.109
	Point 31B	40	30	40.510	26.332	15.0	29.7	0.090	36	48.201	31.331	14.5	29.2	0.058	22	29.707	19.310	15.0	29.7	0.034
	Total Oxygen Injected Per Day (lb)		**24.948**						**14.732**						**13.085**					
Injection Bank 7	Point 14	38	36	49.020	31.863	15.5	30.2	0.111	33	45.305	29.448	16.0	30.7	0.058	26	35.403	23.012	15.5	30.2	0.041
	Point 17	30	30	39.122	25.430	13.0	27.7	0.081	31	40.427	26.277	13.0	27.7	0.046	28	36.514	23.734	13.0	27.7	0.039
	Point 20	30	30	40.510	26.332	15.0	29.7	0.090	34	45.523	29.590	14.5	29.2	0.055	23	31.058	20.188	15.0	29.7	0.035
	Point 23	40	30	40.168	26.109	14.5	29.2	0.088	35	46.459	30.199	14.0	28.7	0.055	24	32.134	20.887	14.5	29.2	0.036
	Point 26A	60	30	45.943	29.863	23.5	38.2	0.131	37	56.291	36.589	23.0	37.7	0.088	26	39.556	25.711	23.0	37.7	0.057
	Point 26B	29	34	44.339	28.820	13.0	27.7	0.092	33	46.758	30.392	18.0	32.7	0.063	23	29.994	19.496	13.0	27.7	0.032
	Point 29A	66	28	44.261	28.770	26.0	40.7	0.135	30	47.422	30.825	26.0	40.7	0.080	32	50.272	32.677	25.5	40.2	0.077
	Point 29B	40	30	40.510	26.332	15.0	29.7	0.090	32	43.211	28.087	15.0	29.7	0.053	27	36.459	23.698	15.0	29.7	0.041
	Total Oxygen Injected Per Day (lb)		**26.112**						**15.994**						**11.455**					
Injection Bank 8	Point 13	40	30	41.187	26.771	16.0	30.7	0.094	26	35.695	23.202	16.0	30.7	0.045	23	31.576	20.525	16.0	30.7	0.037
	Point 15	40	30	40.850	26.552	15.5	30.2	0.092	27	36.765	23.897	15.5	30.2	0.046	22	29.957	19.472	15.5	30.2	0.035
	Point 50	55	26	37.675	24.489	19.5	34.2	0.096	24	34.522	22.439	19.0	33.7	0.048	21	30.430	19.779	19.5	34.2	0.040
	Point 40	32	32	42.477	27.610	14.0	28.7	0.091	27	35.840	23.296	14.0	28.7	0.043	20	26.549	17.256	14.0	28.7	0.029
	Point 24	55	22	32.570	21.171	21.0	35.7	0.087	29	42.934	27.907	21.0	35.7	0.064	25	37.012	24.058	21.0	35.7	0.050
	Point 27A	65	18	28.278	18.381	25.5	40.2	0.085	37	58.127	37.783	25.5	40.2	0.097	30	47.130	30.635	25.5	40.2	0.072
	Point 27B	33	36	46.947	30.516	13.0	27.7	0.097	29	37.818	24.582	13.0	27.7	0.043	22	28.430	18.479	12.5	27.2	0.030
	Point 30	50	30	43.471	28.256	19.5	34.2	0.111	30	43.152	28.049	19.0	33.7	0.060	24	34.522	22.439	19.0	33.7	0.044
	Total Oxygen Injected Per Day (lb)		**24.115**						**14.308**						**10.797**					
	System Total Per Day (lb)		**202.96**						**117.57**						**90.45**					

Appendix C. OU-2 Oxygen Injection System Operational Data
Table C-3. OU-2 33 North Clinton Second Quarter 2023
National Grid Bay Shore/Brightwaters Former MGP Site

Weight of Oxygen Injected through Q1 2023: 970,685 lbs

Oxygen to OU-2 - 33 North Clinton

Operational Days		Injected Per Month (lbs)
Month 1 — Apr-23	30	3.760
Month 2 — May-23	30	3.512
Month 3 — Jun-23	28	3.222
Total Operational Days in Q2 2023		88
Total Oxygen in Q2 2023		10,494.32
Running Total for Oxygen to 33 North Clinton Through Q2 2023 (lbs)		**981,179.26**

Notes:
SCFH (M) = Measured flow rate
SCFH (C*) = Flow rate converted for oxygen (Flow meters are calibrated for air)
CFID (V) = Volume of oxygen injected per day
PSI (M) = Measured pressure
PSIg (P) = Pressure converted to atmospheric pressure.
n = PV/RT = (lb Moles)
lbs = n*32 lb/lb mole
Temperature = Degrees Rankine
R = Constant (10.73)
* Readings for Sep 2020 taken from Aug 2020 because inspection was not able to be performed.

System Operating Specs
Total of 8 injection banks
Oxygen is injected for 13 minutes during each injection cycle
Each injection bank operates for 3 injection cycles per day
Each injection point injects oxygen for 39 min per day (13 min per cycle * 3 cycles)

Example
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 713AM
Svstem is rechansins 713AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 813AM
Svstem is rechansins 813AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 913AM
Svstam is rechansins from 913AM to 1000AM
Bank 4 starts iniection at 1000AM
Bank 4 finishes injection at 1013AM
Svstem is rechansins from 1013AM to 1100AM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1113AM
System is rechansing from 1113AM to 1200PM
Bank 6 starts iniection at 1200PM
Bank 6 finishes injection at 1213PM
Svstem is rechansins from 1213PM to 100PM
Bank 7 starts iniection at 100PM
Bank 7 finishes injection at 113PM
Svstem is rechansins from 113PM to 200PM
Bank 8 starts iniection at 200PM
Bank 8 finishes injection at 213PM
System is rechansing from 213PM to 300PM
(Keep repeating cycle for course of day)

Svstem Downtime
10/14/21-10/20-21 - Magnetic Starter
circuit for booster pump burned out
0700-1400
12/6/21 - Biannual maintenance
1100-1300

	4/20/2023	5/17/2023	6/14/2023
O_2 lbs	42.6	38.9	47.4
R	10.73	10.73	10.73
Temp R (°F)	618	618	618

Injection Bank 1

	Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs
Point 1A	62	26	36.556	25.711	23.0	37.7	0.062	40	60.856	39.556	23.0	37.7	0.067	24	34.513	23.733	23.0	37.7	0.064
Point 1B	46	34	46.878	36.341	16.0	30.7	0.063	26	39.814	25.879	16.0	30.7	0.047	30	40.850	28.552	16.5	31.2	0.057
Point 6A	65	27	57.400	37.310	24.5	39.2	0.094	50	77.567	50.419	24.5	39.2	0.116	30	46.540	33.251	24.5	39.2	0.085
Point 6B	46	31	43.247	28.111	17.0	31.7	0.057	33	46.037	29.924	17.0	31.7	0.056	30	41.521	26.988	16.5	31.2	0.060
Point 11	46	36	49.825	32.386	16.5	31.2	0.065	30	41.521	26.989	16.5	31.2	0.049	22	30.448	19.791	16.5	31.2	0.044
Point 20	41	40	52.163	33.906	13.0	27.7	0.063	24	31.296	20.344	13.0	27.7	0.033	30	39.122	25.430	13.0	27.7	0.052
Point 43	41	27	46.685	31.445	13.5	28.2	0.057	28	36.842	23.948	13.5	28.2	0.040	30	39.474	25.658	13.5	28.2	0.052
Point 45	31	35	42.219	27.443	9.0	23.7	0.042	28	33.775	21.954	9.0	23.7	0.030	30	36.188	23.522	9.0	23.7	0.040
Total Oxygen Injected Per Day (lb)			**15.869**						**14.641**						**16.459**				

Injection Bank 2

	Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs
Point 2A	67	36	57.355	37.216	26.6	41.2	0.096	43	68.388	44.453	26.5	41.2	0.107	20	30.629	19.909	23.5	38.2	0.054
Point 2B	46	31	42.905	27.868	16.5	31.2	0.058	30	41.521	26.989	16.5	31.2	0.049	30	41.521	26.988	16.5	31.2	0.060
Point 7A	65	36	55.849	36.301	24.5	39.2	0.091	42	65.158	42.352	24.5	39.2	0.097	30	46.540	30.251	24.5	39.2	0.085
Point 7B	41	27	51.617	33.551	17.0	31.7	0.069	33	46.399	30.159	17.5	32.2	0.057	30	42.181	27.417	17.5	32.2	0.063
Point 12	46	30	43.922	28.556	16.0	30.7	0.064	30	49.825	32.386	16.5	31.2	0.059	30	41.521	26.988	16.5	31.2	0.060
Point 35	36	31	29.450	19.143	0.0	14.7	0.018	28	26.600	17.290	0.0	14.7	0.015	30	28.500	18.525	0.0	14.7	0.019
Point 41	41	22	42.477	27.610	14.0	28.7	0.051	20	28.622	25.865	14.0	28.7	0.044	20	29.622	25.865	14.0	28.7	0.053
Point 46	46	26	32.659	21.229	11.0	25.7	0.035	29	36.780	23.907	11.5	26.2	0.037	30	38.048	24.731	11.5	26.2	0.046
Total Oxygen Injected Per Day (lb)			**15.159**						**14.878**						**14.105**				

Injection Bank 3

	Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs
Point 3A	65	34	52.745	34.554	26.0	40.7	0.091	28	44.261	28.775	26.0	40.7	0.069	26	40.946	26.550	25.5	40.2	0.076
Point 3B	46	33	45.473	29.687	16.5	31.2	0.059	28	38.753	25.199	16.5	31.2	0.046	26	35.695	23.202	16.0	30.2	0.051
Point 8A	71	20	32.946	21.415	29.5	44.2	0.061	30	49.418	32.123	29.5	44.2	0.083	30	49.139	31.940	29.0	43.7	0.100
Point 8B	46	32	43.902	28.550	16.0	30.7	0.056	26	35.695	23.202	16.0	30.7	0.042	26	35.695	23.202	16.0	30.7	0.051
Point 31A	63.5	36	55.491	36.069	24.0	38.7	0.090	26	40.077	26.050	24.0	38.7	0.059	26	40.335	26.218	24.5	39.2	0.073
Point 31B	39	35	44.360	28.853	11.5	26.2	0.048	22	27.502	18.139	11.5	26.2	0.028	20	25.366	16.488	11.5	26.2	0.031
Point 37	41	29	37.168	24.159	14.0	28.7	0.044	22	29.203	18.982	14.0	28.7	0.022	20	26.316	17.105	13.5	28.2	0.034
Point 42	38	42	53.268	34.624	11.5	26.2	0.058	20	25.366	16.488	11.5	26.2	0.025	20	25.366	16.488	11.5	26.2	0.031
Total Oxygen Injected Per Day (lb)			**16.263**						**12.274**						**14.360**				

Injection Bank 4

	Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs
Point 4A	69	40	64.002	41.601	27.0	41.7	0.111	40	64.002	41.601	27.0	41.7	0.102	22	34.989	22.743	26.5	41.2	0.067
Point 4B	46	28	52.593	34.185	16.5	31.2	0.068	36	53.012	34.458	17.0	31.7	0.064	24	33.216	21.591	16.5	31.2	0.048
Point 9A	71	24	38.859	25.258	28.0	42.7	0.069	26	58.288	37.887	28.0	42.7	0.085	24	38.631	25.110	27.5	42.2	0.076
Point 9B	46	26	49.825	32.386	16.5	31.2	0.065	40	55.361	35.985	16.5	31.2	0.064	22	30.448	19.791	16.5	31.2	0.044
Point 32	42	28	35.442	32.787	14.5	28.7	0.060	42	65.751	42.238	14.0	28.7	0.061	20	26.779	17.406	14.5	29.2	0.036
Point 38	36	26	45.958	29.878	11.5	26.2	0.050	28	48.195	31.327	11.5	26.2	0.048	20	25.366	16.488	11.5	26.2	0.031
Point 43	31	34	43.913	28.658	9.0	23.7	0.041	38	45.836	29.794	9.0	23.7	0.041	20	24.105	15.681	9.0	23.7	0.027
Point 48	55	26	62.545	34.154	20.0	34.7	0.076	16	23.353	15.180	20.0	34.7	0.021	30	43.788	28.462	20.0	34.7	0.070
Total Oxygen Injected Per Day (lb)			**17.393**						**16.233**						**12.760**				

Injection Bank 5

	Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs
Point 5A	67	35	46.806	30.444	26.6	39.7	0.076	45	70.685	45.952	26.5	40.2	0.108	30	46.806	30.444	26.0	39.7	0.086
Point 5B	45	24	47.957	30.597	16.5	31.2	0.061	39	52.593	34.185	16.5	31.2	0.062	20	27.458	17.848	16.0	30.7	0.039
Point 10	56	34	49.962	32.488	20.5	35.2	0.073	50	73.503	47.777	20.5	35.2	0.098	20	29.981	18.937	19.5	34.2	0.049
Point 34	36	30	38.768	25.199	12.5	27.2	0.044	32	41.352	26.879	12.5	27.2	0.043	20	25.845	16.799	12.5	27.2	0.033
Point 39	28	22	27.354	24.283	7.5	22.2	0.035	20	28.020	25.953	6.5	21.2	0.032	20	22.617	14.811	6.5	21.2	0.022
Point 44	41	34	43.122	28.029	11.5	26.2	0.047	38	48.195	31.327	11.5	26.2	0.048	20	25.366	16.488	11.5	26.2	0.031
Point 47	55	28	40.573	26.372	19.5	34.2	0.058	32	46.369	30.140	19.5	34.2	0.060	20	29.981	18.937	19.5	34.2	0.046
Point 49	55	30	43.788	28.462	20.0	34.7	0.063	32	46.707	30.354	20.0	34.7	0.063	20	29.162	18.975	20.0	34.7	0.047
Total Oxygen Injected Per Day (lb)			**14.685**						**16.459**						**11.206**				

Injection Bank 6

	Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs
Point 16	40	32	42.311	28.067	15.0	29.7	0.054	36	46.947	30.514	13.0	27.7	0.050	30	38.769	25.199	12.5	27.2	0.049
Point 19	40	38	36.100	23.485	0.0	14.7	0.022	26	24.700	16.055	0.0	14.7	0.014	28	26.600	17.290	0.0	14.7	0.018
Point 22	40	36	48.201	31.331	14.5	29.2	0.059	33	44.186	28.720	14.5	29.2	0.049	32	43.211	28.087	15.0	29.7	0.060
Point 21A	60	35	53.900	34.840	23.5	38.2	0.085	48	73.888	48.092	24.0	38.7	0.109	46	71.815	46.690	25.0	39.7	0.132
Point 21B	29	37	45.563	29.616	10.0	24.7	0.047	26	32.017	20.811	10.0	24.7	0.030	26	32.340	21.021	10.5	25.2	0.038
Point 28	50	35	50.344	32.724	19.0	33.7	0.071	32	46.029	29.919	19.0	33.7	0.059	30	42.831	27.840	19.5	34.2	0.066
Point 31A	69	19	30.034	19.522	24.0	40.7	0.051	27	43.460	28.249	27.5	42.2	0.070	28	45.335	29.468	28.0	42.7	0.090
Point 31B	40	42	56.235	36.553	14.5	29.2	0.064	30	40.168	26.109	14.5	29.2	0.045	30	40.510	26.332	15.0	29.7	0.056
Total Oxygen Injected Per Day (lb)			**14.416**						**13.650**						**16.263**				

Injection Bank 7

	Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs
Point 14	38	34	46.296	30.093	15.5	30.2	0.058	32	42.106	27.369	13.5	28.2	0.045	32	41.731	27.125	13.0	27.7	0.054
Point 17	40	30	39.122	25.430	13.0	27.7	0.045	30	40.643	29.668	13.0	27.7	0.048	34	43.927	28.559	12.5	27.2	0.055
Point 23	30	36	46.612	31.598	15.0	29.7	0.060	20	40.510	26.332	15.0	29.7	0.046	30	40.510	26.332	15.0	29.7	0.056
Point 23	40	26	40.862	30.461	14.0	29.2	0.057	30	40.168	26.109	14.0	29.2	0.045	30	40.510	26.332	15.0	29.7	0.056
Point 24A	60	25	33.600	34.840	23.5	38.2	0.065	40	60.855	39.555	23.0	37.7	0.087	38	57.828	37.239	22.5	37.2	0.099
Point 24B	29	38	49.555	32.211	13.0	27.7	0.057	26	33.906	22.039	13.0	27.7	0.036	24	31.296	20.344	13.0	27.7	0.040
Point 29A	66	24	37.704	24.509	25.0	40.2	0.063	20	31.615	20.550	24.0	40.7	0.049	20	47.130	30.635	25.5	40.2	0.088
Point 29B	40	32	43.211	28.087	15.0	29.7	0.054	30	40.168	26.109	14.5	29.2	0.045	30	40.168	26.109	14.5	29.2	0.054
Total Oxygen Injected Per Day (lb)			**15.360**						**12.817**						**16.073**				

Injection Bank 8

	Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIg (P)	MPV/RT lbs
Point 13	40	28	49.862	34.556	16.5	30.7	0.064	42	54.075	35.279	12.5	27.2	0.056	20	27.458	17.848	16.0	30.7	0.039
Point 15	40	34	46.296	30.093	15.5	30.2	0.058	41	54.424	35.370	14.0	28.7	0.059	30	40.850	26.552	15.5	30.2	0.057
Point 50	55	36	52.165	33.907	19.5	34.2	0.074	31	44.920	29.198	19.5	34.2	0.058	30	43.471	28.256	19.5	34.2	0.069
Point 21	40	31	41.907	26.979	14.5	29.2	0.051	35	46.862	30.461	14.5	29.2	0.052	30	39.822	25.885	14.0	28.7	0.053
Point 24	53	34	47.392	32.718	21.0	35.7	0.073	44	60.141	42.241	21.0	35.7	0.089	30	44.414	28.869	21.0	35.7	0.074
Point 27A	65	24	37.704	24.509	25.0	40.2	0.063	38	59.698	38.804	25.5	40.2	0.091	30	47.130	30.635	25.5	40.2	0.088
Point 27B	33	33	43.035	27.973	13.0	27.7	0.050	31	40.437	26.277	13.0	27.7	0.043	30	38.769	25.199	12.5	27.2	0.049
Point 30	59	36	52.165	33.907	19.5	34.2	0.074	30	43.471	28.256	19.5	34.2	0.057	30	43.471	28.256	19.5	34.2	0.069
Total Oxygen Injected Per Day (lb)			**16.051**						**16.172**						**15.924**				
System Total Per Day (lb)			**125.53**						**117.08**						**115.08**				

Appendix D

OU-3 Oxygen Injection System Operational Data

Weight of Oxygen Injected through Q2 2022: 436,969 lbs

Oxygen to OU-3 - 87 Community

	Operational Days		Injected Per Month (lbs)
Month 1	Jul-22	31	4,289
Month 2	Aug-22	31	3,670
Month 3	Sep-22	30	4,532
Total Operational Days in Q3 2022			92
Total Oxygen in Q3 2022 (lbs)			12,490.86
Running Total for Oxygen to 87 Community Rd Through Q3 2022 (lbs)			**449,459.52**

Notes:
SCFH (M) = Measured flow rate
SCFH (C*) = Flow rate converted for oxygen (Flow meters are calibrated for air)
CF/D (V) = Volume of oxygen injected per day
PSI (M) = Measured pressure
PSIa (P) = Pressure converted to atmospheric pressure
n = PV/RT = (lb Moles)
lbs = n*32 lb/lb mole
Temperature = Degrees Rankine
R = Constant (10.73)
* Oxygen percentage readings for Feb/Mar 2019 taken from January due to water being found in the line and therefore unable to take an accurate reading

System Operating Specs
Total of 7 injection banks
Oxygen is injected for 13 minutes during each injection cycle
Each injection bank operates for 3.4 injection cycles per day
Each injection point injects oxygen for 44.2 min per day (13 min per cycle * 3.4 cycles)

Example
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 713AM
System is recharging 713AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 813AM
System is recharging 813AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 913AM
System is recharging from 913AM to 1000AM — 433966.66
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1013AM
System is recharging from 1013AM to 1100AM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1113AM
System is recharging from 1113AM to 1200PM
Bank 6 starts injection at 1200PM
Bank 6 finishes injection at 1213PM
System is recharging from 1213PM to 100PM
Bank 7 starts injection at 100PM
Bank 7 finishes injection at 113pm
(Keep repeating cycle for course of day)

System Downtime
7/12/22 - Pressure too low in air tank

8/7/22 - Air Compressor Alarm

			7/13/2022						8/17/2022						9/6/2022					
	O_2%		77.2						69.5						78.0					
	R		10.73						10.73						10.73					
	Temp R (T)		605						595						616					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 1	Point 1A	11	30	32.145	23.680	4.0	18.7	0.053	25	26.787	19.733	4.0	18.7	0.040	28	30.002	22.101	4.0	18.7	0.049
	Point 1B	21	30	35.416	26.090	8.0	22.7	0.070	36	42.499	31.308	8.0	22.7	0.077	27	31.874	23.481	8.0	22.7	0.063
	Point 1C	31	31	40.060	29.511	12.5	27.2	0.095	29	37.129	27.352	12.0	26.7	0.080	29	37.129	27.352	12.0	26.7	0.086
	Point 2A	11	29	31.073	22.890	4.0	18.7	0.051	38	40.716	29.994	4.0	18.7	0.061	27	28.930	21.312	4.0	18.7	0.047
	Point 2B	21	30	37.315	27.489	10.5	25.2	0.082	28	34.480	25.401	10.0	24.7	0.068	30	37.315	27.489	10.5	25.2	0.082
	Point 2C	31	29	36.780	27.095	11.5	26.2	0.084	30	37.684	27.760	11.0	25.7	0.078	28	35.512	26.160	11.5	26.2	0.081
	Point 3A	11	30	32.145	23.680	4.0	18.7	0.053	30	32.145	23.680	4.0	18.7	0.048	30	32.145	23.680	4.0	18.7	0.052
	Point 3B	21	31	36.597	26.959	8.0	22.7	0.073	30	35.416	26.090	8.0	22.7	0.064	30	35.416	26.090	8.0	22.7	0.070
	Total Oxygen Injected Per Day (lb)		**17.974**						**16.535**						**16.949**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 2	Point 3C	31	30	39.122	28.820	13.0	27.7	0.095	32	41.352	30.463	12.5	27.2	0.090	31	40.427	29.781	13.0	27.7	0.097
	Point 4A	11	31	33.657	24.794	4.5	19.2	0.057	30	32.145	23.680	4.0	18.7	0.048	31	33.657	24.794	4.5	19.2	0.056
	Point 4B	21	30	35.416	26.090	8.0	22.7	0.070	30	35.024	25.801	7.5	22.2	0.062	30	35.416	26.090	8.0	22.7	0.070
	Point 4C	31	32	41.352	30.463	12.5	27.2	0.099	31	40.060	29.511	12.5	27.2	0.087	30	38.768	28.559	12.5	27.2	0.092
	Point 5A	11	32	34.287	25.258	4.0	18.7	0.056	40	42.282	31.148	3.5	18.2	0.062	28	29.598	21.804	3.5	18.2	0.047
	Point 5B	21	31	36.597	26.959	8.0	22.7	0.073	30	35.024	25.801	7.5	22.2	0.062	31	36.191	26.661	7.5	22.2	0.070
	Point 5C	31	32	41.731	30.742	13.0	27.7	0.101	36	46.521	34.271	12.5	27.2	0.101	30	38.768	28.559	12.5	27.2	0.092
	Point 6A	11	30	32.571	23.994	4.5	19.2	0.055	36	38.573	28.416	4.0	18.7	0.058	32	34.743	25.594	4.5	19.2	0.058
	Total Oxygen Injected Per Day (lb)		**19.377**						**18.289**						**18.605**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 3	Point 6B	21	30	34.627	25.509	7.0	21.7	0.066	30	34.226	25.213	6.5	21.2	0.058	28	31.944	23.532	6.5	21.2	0.059
	Point 6C	31	30	38.410	28.295	12.0	26.7	0.090	33	42.251	31.125	12.0	26.7	0.090	36	46.947	34.584	13.0	27.7	0.113
	Point 7A	11	32	62.533	46.066	47.5	62.2	0.341	32	34.287	25.258	4.0	18.7	0.051	31	33.657	24.794	4.5	19.2	0.056
	Point 7B	21	30	35.416	26.090	8.0	22.7	0.070	28	32.689	24.081	7.5	22.2	0.058	28	32.689	24.081	7.5	22.2	0.063
	Point 7C	31	30	39.122	28.820	13.0	27.7	0.095	32	41.352	30.463	12.5	27.2	0.090	28	36.183	26.655	12.5	27.2	0.086
	Point 8A	16	30	33.409	24.611	5.5	20.2	0.059	25	27.494	20.254	5.0	19.7	0.043	34	37.392	27.545	5.0	19.7	0.064
	Point 8B	26	32	39.406	29.029	10.0	24.7	0.085	27	32.911	24.244	9.5	24.2	0.064	29	35.348	26.040	9.5	24.2	0.074
	Point 8C	36	32	42.477	31.292	14.0	28.7	0.107	31	40.790	30.048	13.5	28.2	0.092	29	38.158	28.110	13.5	28.2	0.094
	Total Oxygen Injected Per Day (lb)		**29.215**						**17.537**						**19.478**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 4	Point 9A	16	30	32.993	24.305	5.0	19.7	0.057	31	33.657	24.794	4.5	19.2	0.052	31	33.657	24.794	4.5	19.2	0.056
	Point 9B	26	32	37.777	27.829	8.0	22.7	0.075	28	32.689	24.081	7.5	22.2	0.058	27	31.521	23.221	7.5	22.2	0.061
	Point 9C	36	30	39.122	28.820	13.0	27.7	0.095	28	36.514	26.899	13.0	27.7	0.081	26	33.906	24.978	13.0	27.7	0.082
	Point 10A	16	32	33.358	24.574	3.0	17.7	0.052	31	32.316	23.806	3.0	17.7	0.046	31	51.355	37.831	30.0	44.7	0.200
	Point 10B	26	30	36.567	26.938	9.5	24.2	0.078	25	30.473	22.448	9.5	24.2	0.059	32	38.600	28.435	9.0	23.7	0.080
	Point 10C	36	30	39.822	29.336	14.0	28.7	0.100	31	40.790	30.048	13.5	28.2	0.092	24	67.332	49.601	113.5	128.2	0.750
	Point 11A	16	28	30.793	22.684	5.0	19.7	0.053	29	31.486	23.194	4.5	19.2	0.048	36	39.086	28.793	4.5	19.2	0.065
	Point 11B	26	32	38.600	28.435	9.0	23.7	0.080	30	36.188	26.658	9.0	23.7	0.069	30	36.188	26.658	9.0	23.7	0.075
	Total Oxygen Injected Per Day (lb)		**18.869**						**16.180**						**43.774**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 5	Point 11C	36	29	38.495	28.358	14.0	28.7	0.097	32	42.106	31.018	13.5	28.2	0.095	20	26.316	19.386	13.5	28.2	0.065
	Point 12A	16	23	25.294	18.634	5.0	19.7	0.044	25	27.494	20.254	5.0	19.7	0.043	10	10.857	7.998	4.5	19.2	0.018
	Point 12B	26	30	35.024	25.801	7.5	22.2	0.068	26	30.010	22.107	7.0	21.7	0.052	26	30.010	22.107	7.0	21.7	0.057
	Point 12C	36	26	33.906	24.978	13.0	27.7	0.082	35	45.643	33.624	13.0	27.7	0.101	94	121.472	89.485	12.5	27.2	0.287
	Point 15A	15	30	33.820	24.914	6	20.7	0.061	26	29.311	21.592	6	20.7	0.049	10	11.136	8.204	5.5	20.2	0.020
	Point 15B	30	28	35.171	25.910	11	25.7	0.079	30	37.684	27.760	11	25.7	0.078	41	51.501	37.939	11	25.7	0.115
	Point 16A	15	27	31.164	22.958	7	21.7	0.059	24	27.702	20.407	7	21.7	0.048	27	30.803	22.692	6.5	21.2	0.057
	Point 16B	30	30	38.048	28.029	11.5	26.2	0.087	28	35.512	26.160	11.5	26.2	0.075	24	30.147	22.208	11	25.7	0.067
	Total Oxygen Injected Per Day (lb)		**18.494**						**17.325**						**21.927**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 6	Point 13A	16	30	33.409	24.611	5.5	20.2	0.059	29	31.893	23.495	5.0	19.7	0.050	28	30.793	22.684	5.0	19.7	0.053
	Point 13B	26	30	36.943	27.215	10.0	24.7	0.080	25	30.156	22.215	9.0	23.7	0.057	26	31.363	23.104	9.0	23.7	0.065
	Point 13C	36	30	40.168	29.590	14.5	29.2	0.103	30	39.822	29.336	14.0	28.7	0.092	25	32.895	24.233	13.5	28.2	0.081
	Point 14A	16	28	31.565	23.253	6.0	20.7	0.057	30	33.409	24.611	5.5	20.2	0.054	29	31.893	23.495	5.0	19.7	0.055
	Point 14B	26	30	36.943	27.215	10.0	24.7	0.080	29	35.348	26.040	9.5	24.2	0.069	29	35.348	26.040	9.5	24.2	0.074
	Point 14C	36	30	40.168	29.590	14.5	29.2	0.103	32	42.477	31.292	14.0	28.7	0.098	30	39.822	29.336	14.0	28.7	0.099
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)		**15.416**						**13.435**						**13.643**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 7	Point 17A	15	30	32.993	24.305	5.0	19.7	0.057	34	36.914	27.194	4.5	19.2	0.057	49	52.503	38.677	4.0	18.7	0.085
	Point 17B	30	30	36.943	27.215	10.0	24.7	0.080	35	43.100	31.751	10.0	24.7	0.085	30	36.567	26.938	9.5	24.2	0.077
	Point 18A	15	30	33.409	24.611	5.5	20.2	0.059	32	36.074	26.575	6.0	20.7	0.060	29	32.295	23.791	5.5	20.2	0.057
	Point 18B	30	32	40.585	29.898	11.5	26.2	0.093	32	40.585	29.898	11.5	26.2	0.085	29	36.428	26.835	11.0	25.7	0.081
	Point 19A	15	32	34.287	25.258	4.0	18.7	0.056	30	32.145	23.680	4.0	18.7	0.048	28	29.598	21.804	3.5	18.2	0.047
	Point 19B	30	31	38.559	28.405	10.5	25.2	0.085	34	42.291	31.154	10.5	25.2	0.085	29	35.712	26.308	10.0	24.7	0.077
	Point 20A	15	32	36.074	26.575	6	20.7	0.065	35	39.456	29.066	6.0	20.7	0.065	35	38.977	28.713	5.5	20.2	0.068
	Point 20B	30	32	41.352	30.463	12.5	27.2	0.099	35	46.862	34.522	14.5	29.2	0.110	10	12.683	9.343	11.5	26.2	0.029
	Total Oxygen Injected Per Day (lb)		**19.021**						**19.081**						**16.679**					
	System Total Per Day (lb)		**138.37**						**118.38**						**151.06**					

Weight of Oxygen Injected through Q3 2022: 449,460 lbs

Oxygen to OU-3 - 87 Community

	Operational Days		Injected Per Month (lbs)
Month 1	Oct-22	30	3,775
Month 2	Nov-22	27	3,742
Month 3	Dec-22	31	6,496
Total Operational Days in Q4 2021			88
Total Oxygen in Q4 2022 (lbs)			14,012.46
Running Total for Oxygen to 87 Community Rd Through Q4 2022 (lbs)			**463,471.98**

Notes:
SCFH (M) = Measured flow rate
SCFH (C*) = Flow rate converted for oxygen (Flow meters are calibrated for air)
CF/D (V) = Volume of oxygen injected per day
PSI (M) = Measured pressure
PSIa (P) = Pressure converted to atmospheric pressure
n = PV/RT = (lb Moles)
lbs = n*32 lb/lb mole
Temperature = Degrees Rankine
R = Constant (10.73)
* Oxygen percentage readings for Feb/Mar 2019 taken from January due to water being found in the line and therefore unable to take an accurate reading

System Operating Specs
Total of 7 injection banks
Oxygen is injected for 13 minutes during each injection cycle
Each injection bank operates for 3.4 injection cycles per day
Each injection point injects oxygen for 44.2 min per day (13 min per cycle * 3.4 cycles)

Example
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 713AM
System is recharging 713AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 813AM
System is recharging 813AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 913AM
System is recharging from 913AM to 1000AM
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1013AM
System is recharging from 1013AM to 1100AM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1113AM
System is recharging from 1113AM to 1200PM
Bank 6 starts injection at 1200PM
Bank 6 finishes injection at 1213PM
System is recharging from 1213PM to 100PM
Bank 7 starts injection at 100PM
Bank 7 finishes injection at 113pm
(Keep repeating cycle for course of day)

System Downtime

			10/19/2022						11/16/2022						12/22/2022					
		O_2%	77.6						78.1						50.9					
		R	10.73						10.73						10.73					
		Temp R (T)	622						620						618					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 1	Point 1A	11	28	30.002	22.101	4.0	18.7	0.048	32	34.287	25.258	4.0	18.7	0.055	30	32.145	23.680	4.0	18.7	0.034
	Point 1B	21	34	40.138	29.568	8.0	22.7	0.078	35	41.319	30.438	8.0	22.7	0.081	32	37.777	27.829	8.0	22.7	0.048
	Point 1C	31	28	36.183	26.655	12.5	27.2	0.084	31	40.060	29.511	12.5	27.2	0.094	32	41.352	30.463	12.5	27.2	0.064
	Point 2A	11	33	35.359	26.048	4.0	18.7	0.057	36	38.573	28.416	4.0	18.7	0.062	33	35.359	26.048	4.0	18.7	0.037
	Point 2B	21	27	33.584	24.740	10.5	25.2	0.072	31	38.175	28.122	10.0	24.7	0.082	30	37.315	27.489	10.5	25.2	0.053
	Point 2C	31	30	38.048	28.029	11.5	26.2	0.085	31	39.317	28.963	11.5	26.2	0.089	32	40.585	29.898	11.5	26.2	0.060
	Point 3A	11	30	32.145	23.680	4.0	18.7	0.051	31	33.216	24.469	4.0	18.7	0.054	31	33.216	24.469	4.0	18.7	0.035
	Point 3B	21	29	34.235	25.220	8.0	22.7	0.067	31	36.597	26.959	8.0	22.7	0.072	30	35.416	26.090	8.0	22.7	0.045
Total Oxygen Injected Per Day (lb)			**17.375**						**18.860**						**12.075**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 2	Point 3C	31	29	37.818	27.860	13.0	27.7	0.090	31	40.427	29.781	13.0	27.7	0.097	32	41.731	30.742	13.0	27.7	0.065
	Point 4A	11	30	32.993	24.305	5.0	19.7	0.056	32	35.192	25.925	5.0	19.7	0.060	32	35.192	25.925	5.0	19.7	0.039
	Point 4B	21	30	35.416	26.090	8.0	22.7	0.069	32	37.777	27.829	8.0	22.7	0.074	32	37.777	27.829	8.0	22.7	0.048
	Point 4C	31	29	37.818	27.860	13.0	27.7	0.090	31	40.427	29.781	13.0	27.7	0.097	32	41.731	30.742	13.0	27.7	0.065
	Point 5A	11	32	34.287	25.258	4.0	18.7	0.055	30	32.145	23.680	4.0	18.7	0.052	32	34.287	25.258	4.0	18.7	0.036
	Point 5B	21	28	33.055	24.350	8.0	22.7	0.064	32	37.777	27.829	8.0	22.7	0.074	30	35.416	26.090	8.0	22.7	0.045
	Point 5C	31	31	40.427	29.781	13.0	27.7	0.096	38	49.555	36.506	13.0	27.7	0.119	32	41.731	30.742	13.0	27.7	0.065
	Point 6A	11	30	32.571	23.994	4.5	19.2	0.054	38	41.257	30.393	4.5	19.2	0.069	30	32.571	23.994	4.5	19.2	0.035
Total Oxygen Injected Per Day (lb)			**18.325**						**20.518**						**12.828**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 3	Point 6B	21	30	34.627	25.509	7.0	21.7	0.064	31	35.781	26.359	7.0	21.7	0.067	30	34.627	25.509	7.0	21.7	0.042
	Point 6C	31	35	44.811	33.011	12.0	26.7	0.102	31	39.690	29.238	12.0	26.7	0.092	28	36.183	26.655	12.5	27.2	0.056
	Point 7A	11	32	35.192	25.925	5.0	19.7	0.059	30	32.993	24.305	5.0	19.7	0.056	29	31.893	23.495	5.0	19.7	0.036
	Point 7B	21	30	35.416	26.090	8.0	22.7	0.069	30	35.416	26.090	8.0	22.7	0.070	26	30.694	22.611	8.0	22.7	0.039
	Point 7C	31	30	39.122	28.820	13.0	27.7	0.093	30	39.122	28.820	13.0	27.7	0.094	29	37.818	27.860	13.0	27.7	0.059
	Point 8A	16	30	32.993	24.305	5.0	19.7	0.056	32	35.636	26.252	5.5	20.2	0.062	28	31.182	22.970	5.5	20.2	0.036
	Point 8B	26	31	37.786	27.836	9.5	24.2	0.078	31	38.175	28.122	10.0	24.7	0.082	32	39.406	29.029	10.0	24.7	0.055
	Point 8C	36	29	38.495	28.358	14.0	28.7	0.095	30	39.822	29.336	14.0	28.7	0.099	30	39.822	29.336	14.0	28.7	0.065
Total Oxygen Injected Per Day (lb)			**19.729**						**19.869**						**12.403**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 4	Point 9A	16	32	35.192	25.925	5.0	19.7	0.059	31	34.093	25.115	5.0	19.7	0.058	32	35.192	25.925	5.0	19.7	0.039
	Point 9B	26	27	31.874	23.481	8.0	22.7	0.062	32	37.777	27.829	8.0	22.7	0.074	30	35.416	26.090	8.0	22.7	0.045
	Point 9C	36	30	39.122	28.820	13.0	27.7	0.093	35	45.643	33.624	13.0	27.7	0.109	30	39.122	28.820	13.0	27.7	0.061
	Point 10A	16	32	33.358	24.574	3.0	17.7	0.051	31	32.316	23.806	3.0	17.7	0.049	31	32.316	23.806	3.0	17.7	0.032
	Point 10B	26	28	34.130	25.142	9.5	24.2	0.071	33	40.224	29.632	9.5	24.2	0.084	29	35.712	26.308	10.0	24.7	0.050
	Point 10C	36	36	47.369	34.895	13.5	28.2	0.114	30	39.822	29.336	14.0	28.7	0.099	32	42.477	31.292	14.0	28.7	0.069
	Point 11A	16	30	32.993	24.305	5.0	19.7	0.056	31	34.093	25.115	5.0	19.7	0.058	31	34.093	25.115	5.0	19.7	0.038
	Point 11B	26	30	36.188	26.658	9.0	23.7	0.073	33	39.806	29.324	9.0	23.7	0.082	28	33.775	24.881	9.0	23.7	0.045
Total Oxygen Injected Per Day (lb)			**18.529**						**19.640**						**12.171**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 5	Point 11C	36	35	46.459	34.225	14.0	28.7	0.114	36	47.787	35.203	14.0	28.7	0.119	32	42.477	31.292	14.0	28.7	0.069
	Point 12A	16	25	27.494	20.254	5.0	19.7	0.046	32	35.192	25.925	5.0	19.7	0.060	29	31.893	23.495	5.0	19.7	0.036
	Point 12B	26	28	32.689	24.081	7.5	22.2	0.062	33	38.526	28.381	7.5	22.2	0.074	32	37.359	27.521	7.5	22.2	0.047
	Point 12C	36	12	15.649	11.528	13.0	27.7	0.037	33	43.035	31.702	13.0	27.7	0.103	30	39.122	28.820	13.0	27.7	0.061
	Point 15A	15	30	33.820	24.914	6	20.7	0.060	32	36.074	26.575	6	20.7	0.065	31	34.947	25.744	6	20.7	0.041
	Point 15B	30	35	43.964	32.387	11	25.7	0.097	35	43.964	32.387	11	25.7	0.098	32	40.585	29.898	11.5	26.2	0.060
	Point 16A	15	29	33.473	24.658	7	21.7	0.062	34	39.694	29.241	7.5	22.2	0.076	30	35.024	25.801	7.5	22.2	0.044
	Point 16B	30	28	35.849	26.409	12	26.7	0.082	31	39.317	28.963	11.5	26.2	0.089	30	38.410	28.295	12	26.7	0.058
Total Oxygen Injected Per Day (lb)			**17.946**						**21.863**						**13.300**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 6	Point 13A	16	29	32.295	23.791	5.5	20.2	0.056	30	33.409	24.611	5.5	20.2	0.058	31	34.523	25.432	5.5	20.2	0.039
	Point 13B	26	27	32.911	24.244	9.5	24.2	0.068	29	35.348	26.040	9.5	24.2	0.074	27	33.249	24.493	10.0	24.7	0.046
	Point 13C	36	30	40.168	29.590	14.5	29.2	0.100	30	39.822	29.336	14.0	28.7	0.099	20	26.548	19.557	14.0	28.7	0.043
	Point 14A	16	30	33.820	24.914	6.0	20.7	0.060	33	37.202	27.405	6.0	20.7	0.067	35	39.456	29.066	6.0	20.7	0.046
	Point 14B	26	17	20.934	15.422	10.0	24.7	0.044	30	36.943	27.215	10.0	24.7	0.079	31	38.175	28.122	10.0	24.7	0.053
	Point 14C	36	32	42.846	31.563	14.5	29.2	0.107	32	42.846	31.563	14.5	29.2	0.108	34	45.523	33.536	14.5	29.2	0.075
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)			**13.951**						**15.517**						**9.716**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 7	Point 17A	15	31	34.523	25.432	5.5	20.2	0.060	39	41.788	30.784	4.0	18.7	0.068	32	34.287	25.258	4.0	18.7	0.036
	Point 17B	30	38	46.795	34.472	10.0	24.7	0.099	38	46.795	34.472	10.0	24.7	0.100	32	163.402	120.372	410.0	424.7	3.924
	Point 18A	15	32	35.636	26.252	5.5	20.2	0.062	35	38.977	28.713	5.5	20.2	0.068	32	35.636	26.252	5.5	20.2	0.041
	Point 18B	30	31	38.940	28.686	11.0	25.7	0.086	38	47.733	35.163	11.0	25.7	0.106	34	42.708	31.462	11.0	25.7	0.062
	Point 19A	15	38	40.716	29.994	4.0	18.7	0.065	38	40.716	29.994	4.0	18.7	0.066	38	40.716	29.994	4.0	18.7	0.043
	Point 19B	30	36	44.778	32.987	10.5	25.2	0.097	36	44.778	32.987	10.5	25.2	0.098	38	47.266	34.819	10.5	25.2	0.067
	Point 20A	15	30	33.820	24.914	6	20.7	0.060	38	42.838	31.558	6.0	20.7	0.077	33	37.202	27.405	6.0	20.7	0.044
	Point 20B	30	32	41.352	30.463	12.5	27.2	0.096	38	49.106	36.175	12.5	27.2	0.116	34	43.531	32.068	12	26.7	0.066
Total Oxygen Injected Per Day (lb)			**19.977**						**22.316**						**137.049**					
System Total Per Day (lb)			**125.83**						**138.58**						**209.54**					

Appendix D. OU-3 Oxygen Injection System Operational Data
Table D-1. OU-3 87 Community First Quarter 2023
National Grid Bay Shore/Brightwaters Former MGP Site

Weight of Oxygen Injected through Q4 2022: 463,472 lbs

Oxygen to OU-3 - 87 Community

	Operational Days	Injected Per Month (lbs)
Month 1	Jan-23 31	3,261
Month 2	Feb-23 28	3,200
Month 3	Mar-23 26	3,232
Total Operational Days in Q4 2021	85	
Total Oxygen in Q4 2022 (lbs)		9,693.24
Running Total for Oxygen to 87 Community Rd Through Q4 2022 (lbs)		**473,165.21**

Notes:
SCFH (M) = Measured flow rate
SCFH (C*) = Flow rate converted for oxygen (Flow meters are calibrated for air)
CFID (V) = Volume of oxygen injected per day
PSI (M) = Measured pressure
PSIa (P) = Pressure converted to atmospheric pressure
n = PV/RT = (lb Moles)
lbs = n*32 lb/lb mole
Temperature = Degrees Rankine
R = Constant (10.73)
* Oxygen percentage readings for Feb/Mar 2019 taken from January due to water being found in the line and therefore unable to take an accurate reading

System Operating Specs
Total of 7 injection banks
Oxygen is injected for 13 minutes during each injection cycle
Each injection bank operates for 3.4 injection cycles per day
Each injection point injects oxygen for 44.2 min per day (13 min per cycle * 3.4 cycles)

Examole
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 713AM
System is recharging 713AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 813AM
System is recharging 813AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 913AM
System is recharging from 913AM to 1000AM
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1013AM
System is recharging from 1013AM to 1100AM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1113AM
System is recharging from 1113AM to 1200PM
Bank 6 starts injection at 1200PM
Bank 6 finishes injection at 1213PM
System is recharging from 1213PM to 100PM
Bank 7 starts injection at 100PM
Bank 7 finishes injection at 113pm
(Keep repeating cycle for course of day)

System Downtime

		1/16/2023						2/22/2023						3/22/2023					
	O_2%	69.3						68.8						73.4					
	R	10.73						10.73						10.73					
	Temp R (T)	614						613						613					
		Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O
Injection Bank 1	Point 1A	11	26	27.859	20.522	4.0	18.7	0.040	30	32.145	23.680	4.0	18.7	0.046	30	32.571	23.994	4.5	19.2	0.051
	Point 1B	21	26	30.694	22.611	8.0	22.7	0.054	28	33.417	24.617	8.5	23.2	0.060	32	38.191	28.134	8.5	23.2	0.073
	Point 1C	31	28	36.183	26.655	12.5	27.2	0.076	28	36.183	26.655	12.5	27.2	0.076	31	40.060	29.511	12.5	27.2	0.090
	Point 2A	11	26	27.859	20.522	4.0	18.7	0.040	30	32.145	23.680	4.0	18.7	0.046	33	35.829	26.394	4.5	19.2	0.057
	Point 2B	21	28	34.828	25.656	10.5	25.2	0.068	28	34.828	25.656	10.5	25.2	0.068	28	34.828	25.656	10.5	25.2	0.072
	Point 2C	31	29	36.780	27.095	11.5	26.2	0.075	30	38.048	28.029	11.5	26.2	0.077	32	40.970	30.182	12.0	26.7	0.090
	Point 3A	11	29	31.073	22.890	4.0	18.7	0.045	29	31.486	23.194	4.5	19.2	0.047	30	32.571	23.994	4.5	19.2	0.051
	Point 3B	21	28	33.055	24.350	8.0	22.7	0.058	28	33.055	24.350	8.0	22.7	0.058	30	35.804	26.376	8.5	23.2	0.068
	Total Oxygen Injected Per Day (lb)		**14.619**						**15.266**						**17.669**					
Injection Bank 2		Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O
	Point 3C	31	30	39.122	28.820	13.0	27.7	0.084	28	36.514	26.899	13.0	27.7	0.078	29	38.158	28.110	13.5	28.2	0.088
	Point 4A	11	27	29.314	21.595	4.5	19.2	0.044	30	32.993	24.305	5.0	19.7	0.050	30	32.993	24.305	5.0	19.7	0.053
	Point 4B	21	30	35.416	26.090	8.0	22.7	0.062	30	35.416	26.090	8.0	22.7	0.062	31	36.597	26.959	8.0	22.7	0.068
	Point 4C	31	29	37.818	27.860	13.0	27.7	0.081	28	36.514	26.899	13.0	27.7	0.078	31	40.427	29.781	13.0	27.7	0.092
	Point 5A	11	29	31.073	22.890	4.0	18.7	0.045	30	32.145	23.680	4.0	18.7	0.046	31	33.216	24.469	4.0	18.7	0.051
	Point 5B	21	28	33.055	24.350	8.0	22.7	0.058	30	35.416	26.090	8.0	22.7	0.062	30	35.804	26.376	8.5	23.2	0.068
	Point 5C	31	29	37.818	27.860	13.0	27.7	0.081	24	31.298	23.056	13.0	27.7	0.067	31	40.790	30.048	13.5	28.2	0.095
	Point 6A	11	28	30.400	22.395	4.5	19.2	0.045	33	36.292	26.735	5.0	19.7	0.055	30	32.571	23.994	4.5	19.2	0.051
	Total Oxygen Injected Per Day (lb)		**16.020**						**15.938**						**18.162**					
Injection Bank 3		Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O
	Point 6B	21	26	30.010	22.107	7.0	21.7	0.050	30	34.627	25.509	7.0	21.7	0.058	30	34.627	25.509	7.0	21.7	0.062
	Point 6C	31	28	36.183	26.655	12.5	27.2	0.076	32	41.352	30.463	12.5	27.2	0.087	31	40.060	29.511	12.5	27.2	0.090
	Point 7A	11	27	29.694	21.874	5.0	19.7	0.045	28	30.793	22.684	5.0	19.7	0.047	30	32.993	24.305	5.0	19.7	0.053
	Point 7B	21	26	30.694	22.611	8.0	22.7	0.054	26	30.694	22.611	8.0	22.7	0.054	32	37.777	27.829	8.0	22.7	0.070
	Point 7C	31	27	35.210	25.938	13.0	27.7	0.076	30	39.122	28.820	13.0	27.7	0.084	30	38.048	28.029	11.5	26.2	0.082
	Point 8A	16	25	27.841	20.509	5.5	20.2	0.044	28	31.182	22.970	5.5	20.2	0.049	30	33.409	24.611	5.5	20.2	0.055
	Point 8B	26	29	35.712	26.308	10.0	24.7	0.068	30	36.943	27.215	10.0	24.7	0.070	31	38.559	28.405	10.5	25.2	0.080
	Point 8C	36	28	37.168	27.380	14.0	28.7	0.083	32	42.846	31.563	14.5	29.2	0.096	30	40.168	29.590	14.5	29.2	0.096
	Total Oxygen Injected Per Day (lb)		**15.879**						**17.400**						**18.848**					
Injection Bank 4		Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O
	Point 9A	16	26	28.594	21.064	5.0	19.7	0.044	28	30.793	22.684	5.0	19.7	0.047	28	30.793	22.684	5.0	19.7	0.050
	Point 9B	26	27	31.874	23.481	8.0	22.7	0.056	30	35.804	26.376	8.5	23.2	0.064	30	35.804	26.376	8.5	23.2	0.068
	Point 9C	36	27	35.210	25.938	13.0	27.7	0.076	32	42.106	31.018	13.5	28.2	0.091	28	36.842	27.141	13.5	28.2	0.085
	Point 10A	16	25	26.427	19.468	3.5	18.2	0.037	30	31.712	23.361	3.5	18.2	0.044	30	32.145	23.680	4.0	18.7	0.049
	Point 10B	26	26	32.017	23.586	10.0	24.7	0.061	26	32.017	23.586	10.0	24.7	0.061	29	35.712	26.308	10.0	24.7	0.073
	Point 10C	36	28	37.168	27.380	14.0	28.7	0.083	29	38.495	28.358	14.0	28.7	0.085	29	38.495	28.358	14.0	28.7	0.091
	Point 11A	16	27	29.694	21.874	5.0	19.7	0.045	28	30.793	22.684	5.0	19.7	0.047	30	32.993	24.305	5.0	19.7	0.053
	Point 11B	26	29	35.348	26.040	9.5	24.2	0.066	30	36.567	26.938	9.5	24.2	0.068	30	36.567	26.938	9.5	24.2	0.073
	Total Oxygen Injected Per Day (lb)		**14.980**						**16.247**						**17.360**					
Injection Bank 5		Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O
	Point 11C	36	29	38.495	28.358	14.0	28.7	0.086	63	83.627	61.605	14.0	28.7	0.185	28	37.168	27.380	14.0	28.7	0.088
	Point 12A	16	28	30.793	22.684	5.0	19.7	0.047	27	29.694	21.874	5.0	19.7	0.045	30	32.993	24.305	5.0	19.7	0.053
	Point 12B	26	30	35.024	25.801	7.5	22.2	0.060	28	32.689	24.081	7.5	22.2	0.056	30	35.416	26.090	8.0	22.7	0.066
	Point 12C	36	28	36.514	26.899	13.0	27.7	0.078	27	35.210	25.938	13.0	27.7	0.075	32	41.731	30.742	13.0	27.7	0.095
	Point 15A	15	30	33.820	24.914	6.0	20.7	0.054	26	29.662	21.851	6.5	21.2	0.048	32	36.508	26.894	6.5	21.2	0.064
	Point 15B	30	30	37.694	27.760	11.0	25.7	0.075	24	30.439	22.423	11.5	26.2	0.061	32	40.585	29.898	11.5	26.2	0.087
	Point 16A	15	28	32.319	23.808	7.0	21.7	0.054	26	30.354	22.361	7.5	22.2	0.052	27	31.521	23.221	7.5	22.2	0.058
	Point 16B	30	28	35.849	26.409	12.0	26.7	0.074	24	30.728	22.636	12	26.7	0.063	34	43.531	32.068	12	26.7	0.096
	Total Oxygen Injected Per Day (lb)		**16.929**						**18.756**						**19.403**					
Injection Bank 6		Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O
	Point 13A	16	27	30.068	22.150	5.5	20.2	0.047	32	36.074	26.575	6.0	20.7	0.058	30	33.820	24.914	6.0	20.7	0.058
	Point 13B	26	27	32.911	24.244	9.5	24.2	0.062	34	41.869	30.843	10.0	24.7	0.080	30	36.943	27.215	10.0	24.7	0.075
	Point 13C	36	29	38.495	28.358	14.0	28.7	0.086	26	34.812	25.645	14.5	29.2	0.078	29	38.829	28.604	14.5	29.2	0.093
	Point 14A	16	28	31.182	22.970	5.5	20.2	0.049	30	33.820	24.914	6.0	20.7	0.054	30	33.820	24.914	6.0	20.7	0.058
	Point 14B	26	29	35.712	26.308	10.0	24.7	0.068	28	34.480	25.401	10.0	24.7	0.066	29	36.071	26.573	10.5	25.2	0.075
	Point 14C	36	30	40.168	29.590	14.5	29.2	0.091	28	37.490	27.618	14.5	29.2	0.084	30	40.168	29.590	14.5	29.2	0.096
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Oxygen Injected Per Day (lb)		**12.878**						**13.423**						**14.543**					
Injection Bank 7		Depth	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O	SCFH (M)	SCFH (C*)	CFID (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O
	Point 17A	15	26	28.954	21.330	5.5	20.2	0.045	22	24.195	17.823	5.0	19.7	0.037	28	31.182	22.970	5.5	20.2	0.052
	Point 17B	30	20	24.629	18.143	10.0	24.7	0.047	30	36.943	27.215	10.0	24.7	0.070	28	34.480	25.401	10.0	24.7	0.070
	Point 18A	15	28	31.565	23.253	6.0	20.7	0.051	30	33.409	24.611	5.5	20.2	0.052	24	26.727	19.689	5.5	20.2	0.044
	Point 18B	30	24	30.439	22.423	11.5	26.2	0.062	32	40.585	29.898	11.5	26.2	0.082	30	38.048	28.029	11.5	26.2	0.082
	Point 19A	15	25	27.143	19.995	4.5	19.2	0.040	32	35.192	25.925	5.0	19.7	0.053	90	96.434	71.039	4.0	18.7	0.148
	Point 19B	30	27	33.584	24.740	10.5	25.2	0.066	30	36.943	27.215	10.0	24.7	0.070	23	28.608	21.075	10.5	25.2	0.059
	Point 20A	15	29	32.692	24.083	6.0	20.7	0.052	32	36.074	26.575	6.0	20.7	0.058	28	31.565	23.253	6.0	20.7	0.054
	Point 20B	30	26	33.599	24.751	12.5	27.2	0.071	42	54.771	40.348	13	27.7	0.117	22	28.430	20.943	12.5	27.2	0.064
	Total Oxygen Injected Per Day (lb)		**13.891**						**17.253**						**18.333**					
	System Total Per Day (lb)		**105.20**						**114.28**						**124.32**					

Appendix D. OU-3 Oxygen Injection System Operational Data
Table D-1. OU-3 87 Community Second Quarter 2023
National Grid Bay Shore/Brightwaters Former MGP Site

Weight of Oxygen Injected through Q1 2023: 473,165 lbs

Oxygen to OU-3 - 87 Community

Operational Days			Injected Per Month (lbs)
Month 1	Apr-23	30	4,501
Month 2	May-23	30	3,501
Month 3	Jun-23	30	3,581
Total Operational Days in Q4 2021			90
Total Oxygen in Q4 2022 (lbs)			11,582.87
Running Total for Oxygen to 87 Community Rd Through Q4 2022 (lbs)			**484,748.08**

Notes:
SCFH (M) = Measured flow rate
SCFH (C*) = Flow rate converted for oxygen (Flow meters are calibrated for air)
CF/D (V) = Volume of oxygen injected per day
PSI (M) = Measured pressure
PSIa (P) = Pressure converted to atmospheric pressure
n = PV/RT = (lb Moles)
lbs = n*32 lb/lb mole
Temperature = Degrees Rankine
R = Constant (10.73)
* Oxygen percentage readings for Feb/Mar 2019 taken from January due to water being found in the line and therefore unable to take an accurate reading

System Operating Specs
Total of 7 injection banks
Oxygen is injected for 13 minutes during each injection cycle
Each injection bank operates for 3.4 injection cycles per day
Each injection point injects oxygen for 44.2 min per day (13 min per cycle * 3.4 cycles)

Example
Bank 1 starts injection at 700AM
Bank 1 finishes injection at 713AM
System is recharging 713AM to 800AM
Bank 2 starts injection at 800AM
Bank 2 finishes injection at 813AM
System is recharging 813AM to 900AM
Bank 3 starts injection at 900AM
Bank 3 finishes injection at 913AM
System is recharging from 913AM to 1000AM
Bank 4 starts injection at 1000AM
Bank 4 finishes injection at 1013AM
System is recharging from 1013AM to 1100AM
Bank 5 starts injection at 1100AM
Bank 5 finishes injection at 1113AM
System is recharging from 1113AM to 1200PM
Bank 6 starts injection at 1200PM
Bank 6 finishes injection at 1213PM
System is recharging from 1213PM to 100PM
Bank 7 starts injection at 100PM
Bank 7 finishes injection at 113pm
(Keep repeating cycle for course of day)

System Downtime

			4/21/2023						5/15/2023						6/15/2023					
		O_2%	96						74.8						87.2					
		R	10.73						10.73						10.73					
		Temp R (T)	620						616						632					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 1	Point 1A	11	30	32.145	23.680	4.0	18.7	0.064	30	32.145	23.680	4.0	18.7	0.050	26	27.859	20.522	4.0	18.7	0.049
	Point 1B	21	23	27.152	20.002	8.0	22.7	0.066	29	34.235	25.220	8.0	22.7	0.065	14	16.527	12.175	8.0	22.7	0.036
	Point 1C	31	36	46.521	34.271	12.5	27.2	0.135	28	36.183	26.655	12.5	27.2	0.082	22	28.430	20.943	12.5	27.2	0.073
	Point 2A	11	16	17.144	12.629	4.0	18.7	0.034	30	32.145	23.680	4.0	18.7	0.050	10	10.715	7.893	4.0	18.7	0.019
	Point 2B	21	30	37.315	27.489	10.5	25.2	0.100	27	33.584	24.740	10.5	25.2	0.071	30	37.315	27.489	10.5	25.2	0.089
	Point 2C	31	33	42.251	31.125	12.0	26.7	0.120	29	37.129	27.352	12.0	26.7	0.083	30	38.410	28.295	12.0	26.7	0.097
	Point 3A	11	31	33.657	24.794	4.5	19.2	0.069	30	32.571	23.994	4.5	19.2	0.052	30	32.145	23.680	4.0	18.7	0.057
	Point 3B	21	30	35.804	26.376	8.5	23.2	0.088	30	35.416	26.090	8.0	22.7	0.067	30	35.804	26.376	8.5	23.2	0.079
Total Oxygen Injected Per Day (lb)			**21.597**						**16.621**						**15.967**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 2	Point 3C	31	30	39.474	29.079	13.5	28.2	0.118	28	36.842	27.141	13.5	28.2	0.087	28	36.842	27.141	13.5	28.2	0.098
	Point 4A	11	28	30.793	22.684	5.0	19.7	0.064	30	32.993	24.305	5.0	19.7	0.054	24	26.057	19.195	4.5	19.2	0.047
	Point 4B	21	32	37.777	27.829	8.0	22.7	0.091	32	37.777	27.829	8.0	22.7	0.071	30	35.416	26.090	8.0	22.7	0.076
	Point 4C	31	33	43.035	31.702	13.0	27.7	0.127	31	40.427	29.781	13.0	27.7	0.093	30	39.122	28.820	13.0	27.7	0.103
	Point 5A	11	25	26.787	19.733	4.0	18.7	0.053	29	31.073	22.890	4.0	18.7	0.048	20	21.430	15.787	4.0	18.7	0.038
	Point 5B	21	27	31.874	23.481	8.0	22.7	0.077	29	34.235	25.220	8.0	22.7	0.065	24	28.333	20.872	8.0	22.7	0.061
	Point 5C	31	26	33.906	24.978	13.0	27.7	0.100	30	39.122	28.820	13.0	27.7	0.090	20	26.082	19.213	13.0	27.7	0.068
	Point 6A	11	24	26.057	19.195	4.5	19.2	0.053	29	31.486	23.194	4.5	19.2	0.050	20	21.714	15.996	4.5	19.2	0.039
Total Oxygen Injected Per Day (lb)			**21.885**						**17.908**						**17.006**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 3	Point 6B	21	29	33.473	24.658	7.0	21.7	0.077	28	32.319	23.808	7.0	21.7	0.058	30	34.627	25.509	7.0	21.7	0.071
	Point 6C	31	20	25.607	18.863	12.0	26.7	0.073	35	45.229	33.319	12.5	27.2	0.103	30	38.768	28.559	12.5	27.2	0.100
	Point 7A	11	27	29.694	21.874	5.0	19.7	0.062	32	35.192	25.925	5.0	19.7	0.058	30	32.993	24.305	5.0	19.7	0.062
	Point 7B	21	27	31.874	23.481	8.0	22.7	0.077	32	37.777	27.829	8.0	22.7	0.071	30	35.416	26.090	8.0	22.7	0.076
	Point 7C	31	30	39.122	28.820	13.0	27.7	0.115	30	39.122	28.820	13.0	27.7	0.090	30	39.122	28.820	13.0	27.7	0.103
	Point 8A	16	30	33.409	24.611	5.5	20.2	0.072	30	33.409	24.611	5.5	20.2	0.056	26	28.954	21.330	5.5	20.2	0.055
	Point 8B	26	21	25.860	19.050	10.0	24.7	0.068	30	36.943	27.215	10.0	24.7	0.076	30	36.943	27.215	10.0	24.7	0.086
	Point 8C	36	32	42.477	31.292	14.0	28.7	0.130	30	39.822	29.336	14.0	28.7	0.095	30	39.822	29.336	14.0	28.7	0.108
Total Oxygen Injected Per Day (lb)			**21.550**						**19.465**						**21.169**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 4	Point 9A	16	26	28.594	21.064	5.0	19.7	0.060	28	30.793	22.684	5.0	19.7	0.051	22	23.886	17.596	4.5	19.2	0.043
	Point 9B	26	30	35.416	26.090	8.0	22.7	0.085	34	40.138	29.568	8.0	22.7	0.076	30	35.416	26.090	8.0	22.7	0.076
	Point 9C	36	29	37.818	27.860	13.0	27.7	0.111	34	44.737	32.956	13.5	28.2	0.105	26	34.211	25.202	13.5	28.2	0.091
	Point 10A	16	30	31.712	23.361	3.5	18.2	0.061	30	31.712	23.361	3.5	18.2	0.048	24	25.369	18.689	3.5	18.2	0.044
	Point 10B	26	32	39.406	29.029	10.0	24.7	0.103	29	35.712	26.308	10.0	24.7	0.074	24	29.254	21.550	9.5	24.2	0.067
	Point 10C	36	25	33.185	24.447	14.0	28.7	0.101	32	42.477	31.292	14.0	28.7	0.102	20	26.548	19.557	14.0	28.7	0.072
	Point 11A	16	26	28.594	21.064	5.0	19.7	0.060	24	26.394	19.444	5.0	19.7	0.043	20	21.995	16.203	5.0	19.7	0.041
	Point 11B	26	31	37.786	27.836	9.5	24.2	0.097	32	39.005	28.734	9.5	24.2	0.079	30	36.567	26.938	9.5	24.2	0.084
Total Oxygen Injected Per Day (lb)			**21.756**						**18.465**						**16.603**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 5	Point 11C	36	33	43.805	32.269	14.0	28.7	0.134	30	39.822	29.336	14.0	28.7	0.095	30	39.822	29.336	14.0	28.7	0.108
	Point 12A	16	30	32.993	24.305	5.0	19.7	0.069	20	21.995	16.203	5.0	19.7	0.036	22	23.886	17.596	4.5	19.2	0.043
	Point 12B	26	32	37.359	27.521	7.5	22.2	0.088	30	35.416	26.090	8.0	22.7	0.067	30	35.024	25.801	7.5	22.2	0.074
	Point 12C	36	29	37.818	27.860	13.0	27.7	0.111	24	31.298	23.056	13.0	27.7	0.072	24	31.298	23.056	13.0	27.7	0.082
	Point 15A	15	29	33.085	24.373	6.5	21.2	0.075	28	32.319	23.808	7	21.7	0.058	30	33.820	24.914	6	20.7	0.066
	Point 15B	30	31	39.317	28.963	11.5	26.2	0.110	26	32.975	24.292	11.5	26.2	0.072	22	27.635	20.358	11	25.7	0.067
	Point 16A	15	28	32.689	24.081	7.5	22.2	0.077	21	24.517	18.061	7.5	22.2	0.045	20	23.085	17.006	7	21.7	0.047
	Point 16B	30	36	46.092	33.954	12.0	26.7	0.131	32	40.970	30.182	12	26.7	0.091	32	39.803	29.322	10.5	25.2	0.095
Total Oxygen Injected Per Day (lb)			**25.418**						**17.208**						**18.673**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 6	Point 13A	16	30	33.409	24.611	5.5	20.2	0.072	25	27.841	20.509	5.5	20.2	0.047	30	33.409	24.611	5.5	20.2	0.064
	Point 13B	26	26	31.692	23.346	9.5	24.2	0.082	28	34.480	25.401	10.0	24.7	0.071	20	24.378	17.959	9.5	24.2	0.056
	Point 13C	36	30	39.822	29.336	14.0	28.7	0.121	26	34.513	25.424	14.0	28.7	0.083	30	40.168	29.590	14.5	29.2	0.111
	Point 14A	16	30	33.820	24.914	6.0	20.7	0.074	22	24.801	18.270	6.0	20.7	0.043	24	26.727	19.689	5.5	20.2	0.051
	Point 14B	26	30	36.943	27.215	10.0	24.7	0.097	28	34.828	25.656	10.5	25.2	0.073	30	36.943	27.215	10.0	24.7	0.086
	Point 14C	36	30	40.168	29.590	14.5	29.2	0.125	24	32.134	23.672	14.5	29.2	0.078	26	34.812	25.645	14.5	29.2	0.096
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Oxygen Injected Per Day (lb)			**18.268**						**12.629**						**14.873**					
		Depth	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	=PV/RT lbs O	SCFH (M)	SCFH (C*)	CF/D (V)	PSI (M)	PSIa (P)	n=PV/RT lbs O2
Injection Bank 7	Point 17A	15	26	28.954	21.330	5.5	20.2	0.062	28	31.182	22.970	5.5	20.2	0.053	20	21.995	16.203	5.0	19.7	0.041
	Point 17B	30	25	30.786	22.679	10.0	24.7	0.081	26	32.017	23.586	10.0	24.7	0.066	20	24.629	18.143	10.0	24.7	0.058
	Point 18A	15	26	29.311	21.592	6.0	20.7	0.064	24	27.056	19.931	6.0	20.7	0.047	30	33.820	24.914	6.0	20.7	0.066
	Point 18B	30	25	31.707	23.358	11.5	26.2	0.088	32	40.585	29.898	11.5	26.2	0.089	20	25.366	18.686	11.5	26.2	0.063
	Point 19A	15	25	26.787	19.733	4.0	18.7	0.053	21	22.501	16.576	4.0	18.7	0.035	30	28.500	20.995	0.0	14.7	0.040
	Point 19B	30	28	34.828	25.656	10.5	25.2	0.093	22	27.365	20.159	10.5	25.2	0.057	26	32.659	24.059	11.0	25.7	0.080
	Point 20A	15	26	29.311	21.592	6.0	20.7	0.064	20	22.547	16.609	6.0	20.7	0.039	26	29.311	21.592	6.0	20.7	0.057
	Point 20B	30	28	36.183	26.655	12.5	27.2	0.105	22	28.430	20.943	12.5	27.2	0.064	20	25.845	19.039	12.5	27.2	0.067
Total Oxygen Injected Per Day (lb)			**19.568**						**14.391**						**15.078**					
System Total Per Day (lb)			**150.04**						**116.69**						**119.37**					

Appendix E

Summary of Groundwater Parameter Data

Appendix E - Table E-1
Summary of Groundwater Parameter Data
OU-1 Oxygen Injection System
Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
Bay Shore/Brightwaters Former MGP Site

Well ID	Oxygen Injection System	2022		2023		Baseline Average	Historical Average	Current Annual Average
		Q3	Q4	Q1	Q2			
pH (SU)								
OZMW-16S	OU-1 Union Boulevard	7.15	5.94	-	6.46	**6.32**	**6.63**	**6.52**
OZMW-16I	OU-1 Union Boulevard	7.57	6.11	7.32	6.61	**5.95**	**6.70**	**6.90**
OZMW-16I2	OU-1 Union Boulevard	6.33	5.56	6.29	6.37	**5.46**	**5.95**	**6.14**
OZMW-16D	OU-1 Union Boulevard	5.98	5.39	6.25	5.49	**5.08**	**4.89**	**5.78**
OZMW-17S	OU-1 Union Boulevard	6.89	7.43	6.94	7.09	**6.61**	**6.48**	**7.09**
OZMW-17I	OU-1 Union Boulevard	7.49	8.10	7.29	7.42	**6.54**	**6.71**	**7.58**
OZMW-17I2	OU-1 Union Boulevard	5.48	6.15	5.93	6.10	**5.66**	**5.81**	**5.92**
OZMW-17D	OU-1 Union Boulevard	5.11	5.63	5.65	5.50	**5.49**	**5.13**	**5.47**
OZMW-18S	OU-1 Union Boulevard	7.12	7.43	6.07	7.39	**6.08**	**6.78**	**7.00**
OZMW-18I	OU-1 Union Boulevard	7.08	8.75	6.94	7.19	**6.52**	**6.97**	**7.49**
OZMW-18I2	OU-1 Union Boulevard	6.18	6.45	6.11	6.01	**6.61**	**5.97**	**6.19**
OZMW-18D	OU-1 Union Boulevard	5.86	6.19	5.86	5.67	**5.92**	**5.27**	**5.90**
OU2MW-50S	OU-1 Union Boulevard (Ext.)	6.33	6.25	4.83	6.12	**NA**	**5.48**	**5.88**
OU2MW-50I	OU-1 Union Boulevard (Ext.)	6.22	6.80	5.37	5.77	**NA**	**5.91**	**6.04**
OU2MW-50I2	OU-1 Union Boulevard (Ext.)	5.57	6.83	5.10	5.32	**NA**	**5.08**	**5.71**
OU2MW-50D	OU-1 Union Boulevard (Ext.)	5.78	5.95	5.14	5.49	**NA**	**5.37**	**5.59**
OU2MW-57S	66 North Clinton	6.52	6.52	6.02	6.10	**NA**	**5.90**	**6.29**
OU2MW-57I	66 North Clinton	6.57	6.40	5.97	6.04	**NA**	**5.76**	**6.25**
OU2MW-57I2	66 North Clinton	6.05	5.43	5.58	5.30	**NA**	**5.60**	**5.59**
Conductivity (mS/cm)								
OZMW-16S	OU-1 Union Boulevard	0.390	0.182	0.320	0.246	**0.645**	**0.547**	**0.28**
OZMW-16I	OU-1 Union Boulevard	0.620	0.416	0.242	0.391	**0.656**	**0.665**	**0.42**
OZMW-16I2	OU-1 Union Boulevard	0.414	0.289	0.139	0.609	**0.634**	**0.478**	**0.36**
OZMW-16D	OU-1 Union Boulevard	0.204	0.143	0.087	0.102	**2.190**	**0.220**	**0.13**
OZMW-17S	OU-1 Union Boulevard	0.316	0.326	0.174	0.423	**0.768**	**0.560**	**0.31**
OZMW-17I	OU-1 Union Boulevard	0.406	0.545	0.239	0.612	**0.601**	**0.641**	**0.45**
OZMW-17I2	OU-1 Union Boulevard	0.338	0.513	0.402	0.446	**0.382**	**0.497**	**0.42**
OZMW-17D	OU-1 Union Boulevard	0.152	0.261	0.202	0.180	**0.983**	**0.354**	**0.20**
OZMW-18S	OU-1 Union Boulevard	0.233	0.402	0.358	0.530	**0.641**	**0.520**	**0.38**
OZMW-18I	OU-1 Union Boulevard	0.460	0.583	0.389	0.464	**0.572**	**0.626**	**0.47**
OZMW-18I2	OU-1 Union Boulevard	0.356	0.480	0.369	0.585	**0.654**	**0.560**	**0.45**
OZMW-18D	OU-1 Union Boulevard	0.197	0.253	0.172	0.267	**1.910**	**0.604**	**0.22**
OU2MW-50S	OU-1 Union Boulevard (Ext.)	0.120	0.155	0.259	0.548	**NA**	**0.213**	**0.27**
OU2MW-50I	OU-1 Union Boulevard (Ext.)	0.386	0.302	0.362	0.550	**NA**	**0.483**	**0.40**
OU2MW-50I2	OU-1 Union Boulevard (Ext.)	0.336	0.302	0.350	0.538	**NA**	**0.405**	**0.38**
OU2MW-50D	OU-1 Union Boulevard (Ext.)	0.101	0.078	0.101	0.168	**NA**	**0.225**	**0.11**
OU2MW-57S	66 North Clinton	0.177	0.402	0.222	0.302	**NA**	**0.396**	**0.28**
OU2MW-57I	66 North Clinton	0.405	0.433	0.325	0.495	**NA**	**0.445**	**0.41**
OU2MW-57I2	66 North Clinton	0.194	0.355	0.276	0.531	**NA**	**0.456**	**0.34**
Dissolved Oxygen (mg/L)								
OZMW-16S	OU-1 Union Boulevard	24	23	23	7	**19.3**	**29.15**	**19.25**
OZMW-16I	OU-1 Union Boulevard	18	16	8	6	**26.0**	**33.69**	**12.00**
OZMW-16I2	OU-1 Union Boulevard	19	20	13	3	**0.7**	**17.29**	**13.75**
OZMW-16D	OU-1 Union Boulevard	0	0	1	1	**0.0**	**1.38**	**0.50**
OZMW-17S	OU-1 Union Boulevard	9	5	13	14	**12.8**	**18.95**	**10.25**
OZMW-17I	OU-1 Union Boulevard	18	9	17	18	**16.1**	**25.73**	**15.50**
OZMW-17I2	OU-1 Union Boulevard	21	13	14	9	**3.1**	**12.32**	**14.25**
OZMW-17D	OU-1 Union Boulevard	18	14	10	15	**0.1**	**7.76**	**14.25**
OZMW-18S	OU-1 Union Boulevard	8	5	10	3	**17.6**	**25.20**	**6.50**
OZMW-18I	OU-1 Union Boulevard	13	9	8	4	**3.5**	**16.73**	**8.50**
OZMW-18I2	OU-1 Union Boulevard	8	8	11	6	**1.3**	**18.40**	**8.25**
OZMW-18D	OU-1 Union Boulevard	6	1	11	6	**0.0**	**14.55**	**6.00**
OU2MW-50S	OU-1 Union Boulevard (Ext.)	20	8	9	19	**NA**	**27.65**	**14.00**
OU2MW-50I	OU-1 Union Boulevard (Ext.)	21	12	14	15	**NA**	**24.74**	**15.50**
OU2MW-50I2	OU-1 Union Boulevard (Ext.)	8	12	8	1	**NA**	**9.90**	**7.25**
OU2MW-50D	OU-1 Union Boulevard (Ext.)	1	1	0	0	**NA**	**0.97**	**0.50**
OU2MW-57S	66 North Clinton	6	1	4	3	**NA**	**3.05**	**3.50**
OU2MW-57I	66 North Clinton	4	1	4	4	**NA**	**2.22**	**3.25**
OU2MW-57I2	66 North Clinton	3	1	1	2	**NA**	**1.15**	**1.75**
Temperature (degrees Celcius)								
OZMW-16S	OU-1 Union Boulevard	16.09	0.18	13.87	13.04	**14.8**	**14.4**	**10.80**
OZMW-16I	OU-1 Union Boulevard	14.73	16.05	14.50	13.59	**14.4**	**14.5**	**14.72**
OZMW-16I2	OU-1 Union Boulevard	14.99	13.02	14.18	13.94	**14.0**	**14.3**	**14.03**
OZMW-16D	OU-1 Union Boulevard	15.04	15.61	14.39	14.09	**13.6**	**14.3**	**14.78**
OZMW-17S	OU-1 Union Boulevard	15.98	17.63	14.06	12.16	**15.2**	**15.0**	**14.96**
OZMW-17I	OU-1 Union Boulevard	15.63	16.17	14.72	12.65	**14.8**	**14.6**	**14.79**
OZMW-17I2	OU-1 Union Boulevard	15.19	13.22	13.40	12.95	**14.6**	**14.2**	**13.69**
OZMW-17D	OU-1 Union Boulevard	15.54	13.65	12.97	12.81	**14.2**	**14.3**	**13.74**
OZMW-18S	OU-1 Union Boulevard	17.19	14.36	13.95	12.16	**14.5**	**14.6**	**14.42**
OZMW-18I	OU-1 Union Boulevard	16.01	16.86	14.85	12.83	**14.5**	**14.8**	**15.14**
OZMW-18I2	OU-1 Union Boulevard	15.29	16.53	14.24	15.93	**15.1**	**14.5**	**15.50**
OZMW-18D	OU-1 Union Boulevard	14.70	16.05	13.67	16.70	**14.1**	**14.4**	**15.28**
OU2MW-50S	OU-1 Union Boulevard (Ext.)	19.80	13.22	13.74	14.82	**NA**	**15.1**	**15.40**
OU2MW-50I	OU-1 Union Boulevard (Ext.)	19.08	13.20	13.95	16.20	**NA**	**15.0**	**15.61**
OU2MW-50I2	OU-1 Union Boulevard (Ext.)	19.35	13.50	13.18	15.50	**NA**	**14.9**	**15.38**
OU2MW-50D	OU-1 Union Boulevard (Ext.)	18.96	13.04	12.91	15.21	**NA**	**14.7**	**15.03**
OU2MW-57S	66 North Clinton	20.27	18.12	14.01	15.88	**NA**	**16.2**	**17.07**
OU2MW-57I	66 North Clinton	17.99	17.36	15.59	13.48	**NA**	**15.0**	**16.11**
OU2MW-57I2	66 North Clinton	18.56	16.28	14.88	15.90	**NA**	**15.1**	**16.41**
Oxidation Reduction Potential (mV)								
OZMW-16S	OU-1 Union Boulevard	220	306	-	177	**106**	**176**	**234**
OZMW-16I	OU-1 Union Boulevard	202	279	147	53	**187**	**198**	**170**
OZMW-16I2	OU-1 Union Boulevard	108	321	166	0	**80**	**139**	**149**
OZMW-16D	OU-1 Union Boulevard	-85	105	46	26	**65**	**129**	**23**
OZMW-17S	OU-1 Union Boulevard	120	74	156	477	**33**	**152**	**207**
OZMW-17I	OU-1 Union Boulevard	150	104	163	481	**61**	**174**	**225**
OZMW-17I2	OU-1 Union Boulevard	276	253	317	526	**107**	**198**	**343**
OZMW-17D	OU-1 Union Boulevard	133	131	207	391	**32**	**100**	**216**
OZMW-18S	OU-1 Union Boulevard	196	164	308	312	**51**	**156**	**245**
OZMW-18I	OU-1 Union Boulevard	227	165	286	351	**-48**	**139**	**257**
OZMW-18I2	OU-1 Union Boulevard	231	223	333	199	**-81**	**170**	**247**
OZMW-18D	OU-1 Union Boulevard	44	13	131	32	**-53**	**74**	**55**
OU2MW-50S	OU-1 Union Boulevard (Ext.)	283	201	362	220	**NA**	**231**	**267**
OU2MW-50I	OU-1 Union Boulevard (Ext.)	300	205	339	261	**NA**	**192**	**276**
OU2MW-50I2	OU-1 Union Boulevard (Ext.)	324	212	354	283	**NA**	**229**	**293**
OU2MW-50D	OU-1 Union Boulevard (Ext.)	131	81	156	53	**NA**	**47**	**105**
OU2MW-57S	66 North Clinton	79	-33	49	-9	**NA**	**-8**	**22**
OU2MW-57I	66 North Clinton	239	91	228	143	**NA**	**142**	**175**
OU2MW-57I2	66 North Clinton	315	167	329	248	**NA**	**173**	**265**

Appendix E - Table E-2
Summary of Groundwater Parameter Data
OU-2 Oxygen Injection System
Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
Bay Shore/Brightwaters Former MGP Site

Well ID	Oxygen Injection System	2022		2023		Baseline Average	Historical Average	Current Annual Average
		Q3	Q4	Q1	Q2			
pH (SU)								
OU2MW-02S	Montauk Highway	6.62	6.52	5.86	6.30	**6.57**	**5.97**	**6.33**
OU2MW-02I	Montauk Highway	5.89	7.73	5.63	5.65	**6.15**	**5.87**	**6.23**
OU2MW-02I2	Montauk Highway	6.21	6.03	6.08	6.48	**6.16**	**5.89**	**6.20**
OU2MW-02D	Montauk Highway	5.40	5.66	5.44	5.34	**5.45**	**5.22**	**5.46**
OU2MW-19I	Cooper Lane	7.01	7.51	6.66	6.58	**NA**	**6.46**	**6.94**
OU2MW-19I2	Cooper Lane	6.89	7.71	7.07	6.89	**NA**	**6.25**	**7.14**
OU2MW-19D	Cooper Lane	5.01	5.66	5.28	4.98	**NA**	**5.37**	**5.23**
OU2MW-30S	9 North Clinton	6.42	6.30	6.50	6.47	**6.41**	**5.91**	**6.42**
OU2MW-30I	9 North Clinton	6.12	6.72	7.57	6.95	**6.83**	**6.11**	**6.84**
OU2MW-30I2	9 North Clinton	5.79	6.32	7.42	6.66	**6.74**	**6.07**	**6.55**
OU2MW-30I3	9 North Clinton	4.83	6.17	6.85	5.77	**6.30**	**5.50**	**5.91**
OU2MW-30D	9 North Clinton	4.58	5.66	6.47	5.48	**6.17**	**5.48**	**5.55**
OU2MW-30D2	9 North Clinton	5.21	6.24	6.85	6.01	**6.35**	**5.57**	**6.08**
OU2MW-39S	33 North Clinton	6.58	6.58	5.98	6.42	**NA**	**5.74**	**6.39**
OU2MW-39I	33 North Clinton	7.80	8.04	7.32	7.52	**NA**	**6.52**	**7.67**
OU2MW-39I2	33 North Clinton	6.04	6.04	6.68	5.58	**NA**	**5.50**	**6.09**
OU2MW-39D	33 North Clinton	5.38	5.46	6.44	5.19	**NA**	**4.99**	**5.62**
OU2MW-47S	34 North Clinton	6.05	5.90	5.59	6.07	**6.33**	**5.59**	**5.90**
OU2MW-47I	34 North Clinton	6.48	6.35	6.00	6.39	**6.55**	**6.00**	**6.31**
OU2MW-47I2	34 North Clinton	5.90	5.87	5,47	5.73	**6.28**	**5.95**	**5.83**
OU2MW-47D	34 North Clinton	5.50	5.41	5.03	5.37	**5.55**	**5.72**	**5.33**
Conductivity (mS/cm)								
OU2MW-02S	Montauk Highway	0.410	0.294	0.292	0.591	**0.541**	**0.53**	**0.40**
OU2MW-02I	Montauk Highway	0.308	0.333	0.324	0.580	**0.248**	**0.48**	**0.39**
OU2MW-02I2	Montauk Highway	0.144	0.195	0.226	0.002	**0.152**	**0.40**	**0.14**
OU2MW-02D	Montauk Highway	0.040	0.040	0.048	0.070	**0.045**	**0.08**	**0.05**
OU2MW-19I	Cooper Lane	0.75	0.956	0.469	0.990	**NA**	**0.85**	**0.79**
OU2MW-19I2	Cooper Lane	0.61	0.52	0.20	0.749	**NA**	**0.63**	**0.52**
OU2MW-19D	Cooper Lane	0.425	0.254	0.112	0.701	**NA**	**0.60**	**0.37**
OU2MW-30S	9 North Clinton	0.243	0.414	0.539	0.556	**0.531**	**0.42**	**0.44**
OU2MW-30I	9 North Clinton	0.825	0.487	0.478	0.651	**0.714**	**0.60**	**0.61**
OU2MW-30I2	9 North Clinton	0.464	0.681	0.509	0.644	**0.421**	**0.56**	**0.57**
OU2MW-30I3	9 North Clinton	0.427	0.295	0.309	0.391	**0.747**	**0.45**	**0.36**
OU2MW-30D	9 North Clinton	0.449	0.221	0.292	0.342	**0.463**	**0.45**	**0.33**
OU2MW-30D2	9 North Clinton	0.487	0.246	0.322	0.405	**0.562**	**0.65**	**0.37**
OU2MW-39S	33 North Clinton	0.367	0.316	0.226	0.236	**NA**	**0.33**	**0.29**
OU2MW-39I	33 North Clinton	0.514	0.878	0.49	0.524	**NA**	**0.66**	**0.60**
OU2MW-39I2	33 North Clinton	0.329	0.182	0.183	0.262	**NA**	**0.41**	**0.24**
OU2MW-39D	33 North Clinton	0.196	0.197	0.154	0.162	**NA**	**0.29**	**0.18**
OU2MW-47S	34 North Clinton	0.219	0.262	0.231	0.410	**0.303**	**0.37**	**0.28**
OU2MW-47I	34 North Clinton	0.302	0.382	0.295	0.439	**0.640**	**0.59**	**0.35**
OU2MW-47I2	34 North Clinton	0.251	0.207	0.194	0.581	**0.490**	**0.51**	**0.31**
OU2MW-47D	34 North Clinton	0.182	0.225	0.234	0.768	**0.341**	**0.44**	**0.35**
Dissolved Oxygen (mg/L)								
OU2MW-02S	Montauk Highway	13	2	5	25.68	**3.2**	**22.96**	**11.42**
OU2MW-02I	Montauk Highway	10	2	3	11.92	**0.4**	**15.94**	**6.73**
OU2MW-02I2	Montauk Highway	0	0	1	7.05	**0.2**	**1.04**	**2.01**
OU2MW-02D	Montauk Highway	1	1	2	8	**0.2**	**1.21**	**3.00**
OU2MW-19I	Cooper Lane	7	9.00	14.49	7	**NA**	**17.56**	**9.37**
OU2MW-19I2	Cooper Lane	9	6	14	16	**NA**	**25.44**	**11.25**
OU2MW-19D	Cooper Lane	12.26	5	11.89	5	**NA**	**10.89**	**8.54**
OU2MW-30S	9 North Clinton	7	4	6	10	**0.0**	**23.68**	**6.75**
OU2MW-30I	9 North Clinton	42	10	8	32	**0.0**	**28.04**	**23.00**
OU2MW-30I2	9 North Clinton	28	1	18	41.81	**1.0**	**29.62**	**22.20**
OU2MW-30I3	9 North Clinton	37	22	23	28	**0.0**	**28.98**	**27.50**
OU2MW-30D	9 North Clinton	38	27	7	24	**0.8**	**29.65**	**24.00**
OU2MW-30D2	9 North Clinton	4	1	1	27	**0.0**	**16.19**	**8.25**
OU2MW-39S	33 North Clinton	7	5	11	10	**NA**	**19.78**	**8.25**
OU2MW-39I	33 North Clinton	6	7	12	17	**NA**	**24.61**	**10.50**
OU2MW-39I2	33 North Clinton	11	5	13	14	**NA**	**9.86**	**10.75**
OU2MW-39D	33 North Clinton	0	2	1	0	**NA**	**1.65**	**0.75**
OU2MW-47S	34 North Clinton	21	12	4	18	**0.0**	**24.31**	**13.75**
OU2MW-47I	34 North Clinton	13	7	4	9	**0.0**	**27.58**	**8.25**
OU2MW-47I2	34 North Clinton	13	18	11	7	**0.0**	**28.39**	**12.25**
OU2MW-47D	34 North Clinton	22	15	7	13	**0.0**	**26.60**	**14.25**
Temperature (degrees Celcius)								
OU2MW-02S	Montauk Highway	18.50	12.62	13.41	21.92	**14.7**	**15.20**	**16.61**
OU2MW-02I	Montauk Highway	17.01	11.26	13.43	22.27	**14.3**	**14.78**	**15.99**
OU2MW-02I2	Montauk Highway	20.48	12.13	13.90	24.65	**14.0**	**14.65**	**17.79**
OU2MW-02D	Montauk Highway	19.02	11.65	13.59	18.44	**13.5**	**14.48**	**15.68**
OU2MW-19I	Cooper Lane	15.72	11.65	14.40	13.49	**NA**	**14.49**	**13.82**
OU2MW-19I2	Cooper Lane	16.30	13.04	14.32	21.68	**NA**	**14.59**	**16.34**
OU2MW-19D	Cooper Lane	16.03	12.01	13.40	14.34	**NA**	**14.31**	**13.95**
OU2MW-30S	9 North Clinton	21.15	11.09	11.91	17.97	**17.1**	**15.77**	**15.53**
OU2MW-30I	9 North Clinton	15.98	14.42	13.84	17.15	**15.2**	**14.90**	**15.35**
OU2MW-30I2	9 North Clinton	16.81	14.31	13.95	16.99	**15.2**	**15.20**	**15.52**
OU2MW-30I3	9 North Clinton	16.29	14.09	13.75	15.30	**15.2**	**15.12**	**14.86**
OU2MW-30D	9 North Clinton	16.51	14.09	14.26	15.25	**14.8**	**14.91**	**15.03**
OU2MW-30D2	9 North Clinton	15.84	13.89	13.97	15.28	**15.4**	**14.99**	**14.75**
OU2MW-39S	33 North Clinton	16.64	14.41	8.82	13.94	**NA**	**13.93**	**13.45**
OU2MW-39I	33 North Clinton	14.59	14.78	9.50	17.65	**NA**	**14.48**	**14.13**
OU2MW-39I2	33 North Clinton	16.76	0.182	9.01	14.75	**NA**	**14.10**	**10.18**
OU2MW-39D	33 North Clinton	15.12	14.69	8.62	14.20	**NA**	**14.15**	**13.16**
OU2MW-47S	34 North Clinton	18.19	24.24	12.03	16.73	**12.6**	**15.11**	**17.80**
OU2MW-47I	34 North Clinton	16.13	12.94	13.46	16.63	**13.8**	**14.88**	**14.79**
OU2MW-47I2	34 North Clinton	16.67	12.94	13.46	18.01	**13.1**	**15.04**	**15.27**
OU2MW-47D	34 North Clinton	16.63	12.26	13.38	16.99	**13.4**	**14.95**	**14.82**
Oxidation Reduction Potential (mV)								
OU2MW-02S	Montauk Highway	-94	20	216	72	**-66**	**148.68**	**53.50**
OU2MW-02I	Montauk Highway	-18	-61	276	150	**40**	**95.44**	**86.75**
OU2MW-02I2	Montauk Highway	-97	-76	80	101	**-9**	**-36.42**	**2.00**
OU2MW-02D	Montauk Highway	49	82	212	341	**81**	**102.11**	**171.00**
OU2MW-19I	Cooper Lane	0.4	81	228	210	**NA**	**147.46**	**129.85**
OU2MW-19I2	Cooper Lane	191	127	226	152	**NA**	**196.91**	**174.00**
OU2MW-19D	Cooper Lane	155	243	300	253	**NA**	**148.86**	**237.75**
OU2MW-30S	9 North Clinton	175	239	313	208	**6**	**225.15**	**233.75**
OU2MW-30I	9 North Clinton	185	276	7.57	262	**-127**	**210.68**	**182.64**
OU2MW-30I2	9 North Clinton	231	299	300	284	**-56**	**223.39**	**278.50**
OU2MW-30I3	9 North Clinton	253	249	229	502	**-1**	**248.65**	**308.25**
OU2MW-30D	9 North Clinton	265	294	374	528	**93**	**249.16**	**365.25**
OU2MW-30D2	9 North Clinton	82	207	202	425	**-124**	**200.01**	**229.00**
OU2MW-39S	33 North Clinton	209	183	338	432	**NA**	**215.34**	**290.50**
OU2MW-39I	33 North Clinton	156	161	257	399	**NA**	**178.74**	**243.25**
OU2MW-39I2	33 North Clinton	152	220	276	489	**NA**	**169.96**	**284.25**
OU2MW-39D	33 North Clinton	54	103	175	234	**NA**	**99.03**	**141.50**
OU2MW-47S	34 North Clinton	93	282	241	239	**-62**	**227.10**	**213.75**
OU2MW-47I	34 North Clinton	135	270	219	223	**-104**	**218.77**	**211.75**
OU2MW-47I2	34 North Clinton	129	293	252	269	**75**	**225.67**	**235.75**
OU2MW-47D	34 North Clinton	189	311	285	303	**79**	**224.05**	**272.00**

Appendix E - Table E-3
Summary of Groundwater Parameter Data
OU-3 Oxygen Injection System
Annual Groundwater Monitoring and Operations, Maintenance & Monitoring Report
Bay Shore/Brightwaters Former MGP Site

Well ID	Oxygen Injection System	2022		2023		Baseline Average	Historical Average	Current Annual Average
		Q3	Q4	Q1	Q2			
pH (SU)								
iO-10	OU-3 Community Road	6.48	6.76	7.36	--	**6.27**	**6.30**	**6.87**
MW-34S	OU-3 Community Road	5.73	5.93	6.81	--	**6.24**	**5.95**	**6.16**
MW-34I	OU-3 Community Road	6.89	6.66	7.64	--	**6.34**	**6.23**	**7.06**
MW-34D	OU-3 Community Road	6.40	6.30	6.15	--	**5.98**	**5.87**	**6.28**
MW-46WR	OU-3 Community Road	5.96	6.74	7.17	--	**6.03**	**5.82**	**6.62**
MW-70/70S	OU-3 Community Road	6.36	6.27	7.30	--	**6.07**	**5.88**	**6.64**
OU3MW-02S	OU-3 Community Road	--	--	--	--	**5.80**	**5.80**	**NA**
OU3MW-02I	OU-3 Community Road	--	--	--	--	**5.90**	**5.56**	**NA**
OU3MW-03S	OU-3 Community Road	--	--	--	--	**6.34**	**6.16**	**NA**
OU3MW-03I	OU-3 Community Road	--	--	--	--	**7.53**	**5.94**	**NA**
OU3MW-04S	OU-3 Community Road	--	--	--	--	**7.31**	**6.04**	**NA**
OU3MW-04I	OU-3 Community Road	--	--	--	--	**6.57**	**5.89**	**NA**
OU3MW-04D	OU-3 Community Road	--	--	--	--	**5.92**	**5.90**	**NA**
OU3MW-04D2	OU-3 Community Road	--	--	--	--	**NA**	**6.00**	**NA**
OU3MW-04D3	OU-3 Community Road	--	--	--	--	**NA**	**5.62**	**NA**
OU3MW-05S	OU-3 Community Road	--	--	--	--	**6.51**	**6.00**	**NA**
OU3MW-05I	OU-3 Community Road	--	--	--	--	**5.58**	**5.74**	**NA**
OU3MW-07S	OU-3 Community Road	6.18	5.95	6.67	6.18	**5.60**	**5.78**	**6.25**
OU3MW-07I	OU-3 Community Road	6.25	6.47	6.89	6.49	**6.26**	**6.18**	**6.53**
OU3MW-07I2	OU-3 Community Road	6.18	6.32	6.75	6.46	**5.86**	**6.09**	**6.43**
OU3MW-07I3	OU-3 Community Road	5.90	6.03	6.35	6.18	**NA**	**5.92**	**6.12**
OU3MW-07I4	OU-3 Community Road	6.06	6.33	6.30	6.10	**NA**	**5.89**	**6.20**
OU3MW-19S	87 Community Road	6.15	6.57	5.65	5.87	**NA**	**5.76**	**6.06**
OU3MW-19I	87 Community Road	6.54	7.06	6.00	6.21	**NA**	**6.07**	**6.45**
OU3MW-19I2	87 Community Road	6.02	6.48	5.58	5.98	**NA**	**5.82**	**6.02**
OU3MW-20S	87 Community Road	6.19	6.02	5.52	5.56	**NA**	**5.34**	**5.82**
OU3MW-20I	87 Community Road	6.77	6.71	6.38	6.32	**NA**	**6.17**	**6.55**
OU3MW-20I2	87 Community Road	6.58	6.33	6.21	5.98	**NA**	**5.68**	**6.28**
Conductivity (mS/cm)								
IO-10	OU-3 Community Road	0.357	0.487	0.487	--	**0.421**	**0.531**	**0.44**
MW-34S	OU-3 Community Road	0.799	0.391	0.388	--	**0.640**	**0.745**	**0.53**
MW-34I	OU-3 Community Road	0.423	0.476	0.543	--	**0.418**	**0.507**	**0.48**
MW-34D	OU-3 Community Road	0.311	0.183	0.338	--	**0.294**	**0.595**	**0.28**
MW-46WR	OU-3 Community Road	0.439	0.249	0.353	--	**0.792**	**0.940**	**0.35**
MW-70/70S	OU-3 Community Road	0.588	0.276	0.329	--	**0.486**	**0.668**	**0.40**
OU3MW-02S	OU-3 Community Road	--	--	--	--	**0.646**	**1.034**	NA
OU3MW-02I	OU-3 Community Road	--	--	--	--	**0.220**	**0.252**	NA
OU3MW-03S	OU-3 Community Road	--	--	--	--	**0.712**	**0.647**	NA
OU3MW-03I	OU-3 Community Road	--	--	--	--	**0.426**	**0.413**	NA
OU3MW-04S	OU-3 Community Road	--	--	--	--	**0.684**	**0.731**	NA
OU3MW-04I	OU-3 Community Road	--	--	--	--	**0.389**	**0.517**	NA
OU3MW-04D	OU-3 Community Road	--	--	--	--	**0.351**	**0.375**	NA
OU3MW-04D2	OU-3 Community Road	--	--	--	--	**NA**	**0.392**	NA
OU3MW-04D3	OU-3 Community Road	--	--	--	--	**NA**	**0.388**	NA
OU3MW-05S	OU-3 Community Road	--	--	--	--	**0.633**	**0.584**	NA
OU3MW-05I	OU-3 Community Road	--	--	--	--	**0.420**	**0.457**	NA
OU3MW-07S	OU-3 Community Road	0.249	0.755	0.386	1.14	**0.235**	**0.543**	**0.63**
OU3MW-07I	OU-3 Community Road	0.245	0.932	0.465	0.900	**0.355**	**0.520**	**0.64**
OU3MW-07I2	OU-3 Community Road	0.169	0.858	0.312	0.693	**0.275**	**0.494**	**0.51**
OU3MW-07I3	OU-3 Community Road	0.150	0.527	0.221	0.437	**NA**	**0.414**	**0.33**
OU3MW-07I4	OU-3 Community Road	0.221	0.354	0.188	0.512	**NA**	**0.390**	**0.32**
OU3MW-19S	87 Community Road	0.520	0.461	0.244	0.537	**NA**	**0.562**	**0.44**
OU3MW-19I	87 Community Road	0.651	1.21	0.284	0.575	**NA**	**0.419**	**0.68**
OU3MW-19I2	87 Community Road	0.992	0.358	0.202	0.305	**NA**	**0.382**	**0.46**
OU3MW-20S	87 Community Road	0.723	0.909	0.760	1.23	**NA**	**0.803**	**0.91**
OU3MW-20I	87 Community Road	0.461	0.812	0.613	0.584	**NA**	**0.677**	**0.62**
OU3MW-20I2	87 Community Road	0.189	0.319	0.301	0.428	**NA**	**0.415**	**0.31**
Dissolved Oxygen (mg/L)								
IO-10	OU-3 Community Road	3	23	2	--	**19.9**	**17.4**	**9.33**
MW-34S	OU-3 Community Road	10	4	1	--	**0.2**	**1.7**	**5.00**
MW-34I	OU-3 Community Road	12	26	19	--	**0.8**	**17.3**	**19.00**
MW-34D	OU-3 Community Road	9	5	7	--	**0.3**	**8.1**	**7.00**
MW-46WR	OU-3 Community Road	17	10	10	--	**8.7**	**4.5**	**12.33**
MW-70/70S	OU-3 Community Road	3	14	7.13	--	**21.1**	**3.9**	**8.04**
OU3MW-02S	OU-3 Community Road	--	--	--	--	**22.0**	**23.5**	NA
OU3MW-02I	OU-3 Community Road	--	--	--	--	**0.0**	**27.3**	NA
OU3MW-03S	OU-3 Community Road	--	--	--	--	**0.3**	**1.3**	NA
OU3MW-03I	OU-3 Community Road	--	--	--	--	**0.0**	**7.0**	NA
OU3MW-04S	OU-3 Community Road	--	--	--	--	**0.0**	**2.1**	NA
OU3MW-04I	OU-3 Community Road	--	--	--	--	**4.0**	**18.3**	NA
OU3MW-04D	OU-3 Community Road	--	--	--	--	**0.0**	**6.1**	NA
OU3MW-04D2	OU-3 Community Road	--	--	--	--	**NA**	**1.8**	NA
OU3MW-04D3	OU-3 Community Road	--	--	--	--	**NA**	**1.0**	NA
OU3MW-05S	OU-3 Community Road	--	--	--	--	**15.8**	**3.7**	NA
OU3MW-05I	OU-3 Community Road	--	--	--	--	**9.9**	**13.3**	NA
OU3MW-07S	OU-3 Community Road	10	14	10	31	**3.0**	**20.2**	**16.25**
OU3MW-07I	OU-3 Community Road	19	16	9	7	**3.2**	**26.5**	**12.75**
OU3MW-07I2	OU-3 Community Road	16	14	10	23	**3.3**	**22.8**	**15.75**
OU3MW-07I3	OU-3 Community Road	6	10	5	29	**NA**	**21.2**	**12.50**
OU3MW-07I4	OU-3 Community Road	1	3	0	23	**NA**	**1.6**	**6.75**
OU3MW-19S	87 Community Road	9	4	1	4	**NA**	**4.1**	**4.50**
OU3MW-19I	87 Community Road	9	10	29	5	**NA**	**20.2**	**13.25**
OU3MW-19I2	87 Community Road	9	1	3	5	**NA**	**5.5**	**4.50**
OU3MW-20S	87 Community Road	7	15	14	20	**NA**	**21.4**	**14.00**
OU3MW-20I	87 Community Road	18	2	24	22	**NA**	**23.6**	**16.50**
OU3MW-20I2	87 Community Road	1	1	1	7	**NA**	**4.1**	**2.50**
Temperature (degrees Celcius)								
IO-10	OU-3 Community Road	21.04	18.92	25.36	--	**15.0**	**15.7**	**21.77**
MW-34S	OU-3 Community Road	20.21	14.57	10.78	--	**14.2**	**14.9**	**15.19**
MW-34I	OU-3 Community Road	17.98	16.59	12.72	--	**14.4**	**14.8**	**15.76**
MW-34D	OU-3 Community Road	16.50	15.72	14.36	--	**14.4**	**14.6**	**15.53**
MW-46WR	OU-3 Community Road	26.16	16.75	10.35	--	**15.5**	**16.8**	**17.75**
MW-70/70S	OU-3 Community Road	19.17	11.80	10.39	--	**14.1**	**15.1**	**13.79**
OU3MW-02S	OU-3 Community Road	--	--	--	--	**13.9**	**14.2**	NA
OU3MW-02I	OU-3 Community Road	--	--	--	--	**13.9**	**13.8**	NA
OU3MW-03S	OU-3 Community Road	--	--	--	--	**13.6**	**16.0**	NA
OU3MW-03I	OU-3 Community Road	--	--	--	--	**11.8**	**15.4**	NA
OU3MW-04S	OU-3 Community Road	--	--	--	--	**13.2**	**14.8**	NA
OU3MW-04I	OU-3 Community Road	--	--	--	--	**13.8**	**15.0**	NA
OU3MW-04D	OU-3 Community Road	--	--	--	--	**9.9**	**14.9**	NA
OU3MW-04D2	OU-3 Community Road	--	--	--	--	**NA**	**14.3**	NA
OU3MW-04D3	OU-3 Community Road	--	--	--	--	**NA**	**14.2**	NA
OU3MW-05S	OU-3 Community Road	--	--	--	--	**14.4**	**14.7**	NA
OU3MW-05I	OU-3 Community Road	--	--	--	--	**14.9**	**14.6**	NA
OU3MW-07S	OU-3 Community Road	19.63	18.64	12.73	13.27	**9.7**	**14.9**	**16.07**
OU3MW-07I	OU-3 Community Road	17.15	18.24	14.19	13.41	**11.1**	**15.1**	**15.75**
OU3MW-07I2	OU-3 Community Road	17.08	15.89	14.22	14.14	**12.0**	**14.8**	**15.33**
OU3MW-07I3	OU-3 Community Road	17.10	15.52	13.06	14.17	**NA**	**14.9**	**14.96**
OU3MW-07I4	OU-3 Community Road	17.24	15.33	13.26	14.38	**NA**	**14.4**	**15.05**
OU3MW-19S	87 Community Road	19.10	15.01	10.02	15.11	**NA**	**14.1**	**14.81**
OU3MW-19I	87 Community Road	17.44	15.46	12.50	14.82	**NA**	**14.5**	**15.06**
OU3MW-19I2	87 Community Road	17.10	14.27	12.99	14.34	**NA**	**14.4**	**14.68**
OU3MW-20S	87 Community Road	13.89	16.83	13.83	13.23	**NA**	**14.8**	**14.45**
OU3MW-20I	87 Community Road	19.93	15.55	14.22	13.96	**NA**	**15.1**	**15.92**
OU3MW-20I2	87 Community Road	19.79	14.61	13.42	14.55	**NA**	**14.6**	**15.59**
Oxidation Reduction Potential (mV)								
IO-10	OU-3 Community Road	255	159	288	--	**44**	**110**	**234.00**
MW-34S	OU-3 Community Road	86	68	191	--	**-117**	**-4**	**115.00**
MW-34I	OU-3 Community Road	165	202	277	--	**-81**	**127**	**214.67**
MW-34D	OU-3 Community Road	152	201	257	--	**85**	**120**	**203.33**
MW-46WR	OU-3 Community Road	226	127	293	--	**-65**	**-7**	**215.33**
MW-70/70S	OU-3 Community Road	117	89	193	--	**-6**	**-14**	**133.00**
OU3MW-02S	OU-3 Community Road	--	--	--	--	**240**	**178**	NA
OU3MW-02I	OU-3 Community Road	--	--	--	--	**133**	**227**	NA
OU3MW-03S	OU-3 Community Road	--	--	--	--	**-32**	**-60**	NA
OU3MW-03I	OU-3 Community Road	--	--	--	--	**-31**	**-10**	NA
OU3MW-04S	OU-3 Community Road	--	--	--	--	**-105**	**-21**	NA
OU3MW-04I	OU-3 Community Road	--	--	--	--	**-38**	**101**	NA
OU3MW-04D	OU-3 Community Road	--	--	--	--	**146**	**120**	NA
OU3MW-04D2	OU-3 Community Road	--	--	--	--	**NA**	**137**	NA
OU3MW-04D3	OU-3 Community Road	--	--	--	--	**NA**	**132**	NA
OU3MW-05S	OU-3 Community Road	--	--	--	--	**100**	**75**	NA
OU3MW-05I	OU-3 Community Road	--	--	--	--	**113**	**140**	NA
OU3MW-07S	OU-3 Community Road	297	139	108	88	**-139**	**111**	**158.00**
OU3MW-07I	OU-3 Community Road	311	178	191	202	**-56**	**197**	**220.50**
OU3MW-07I2	OU-3 Community Road	322	222	222	230	**18**	**187**	**249.00**
OU3MW-07I3	OU-3 Community Road	307	105	170	248	**NA**	**225**	**207.50**
OU3MW-07I4	OU-3 Community Road	266	125	185	158	**NA**	**183**	**183.50**
OU3MW-19S	87 Community Road	-2	31	69	1	**NA**	**7**	**24.75**
OU3MW-19I	87 Community Road	180	177	247	180	**NA**	**172**	**196.00**
OU3MW-19I2	87 Community Road	207	180	247	194	**NA**	**181**	**207.00**
OU3MW-20S	87 Community Road	96	213	308	211	**NA**	**185**	**207.00**
OU3MW-20I	87 Community Road	268	196	264	170	**NA**	**185**	**224.50**
OU3MW-20I2	87 Community Road	210	148	249	190	**NA**	**179**	**199.25**

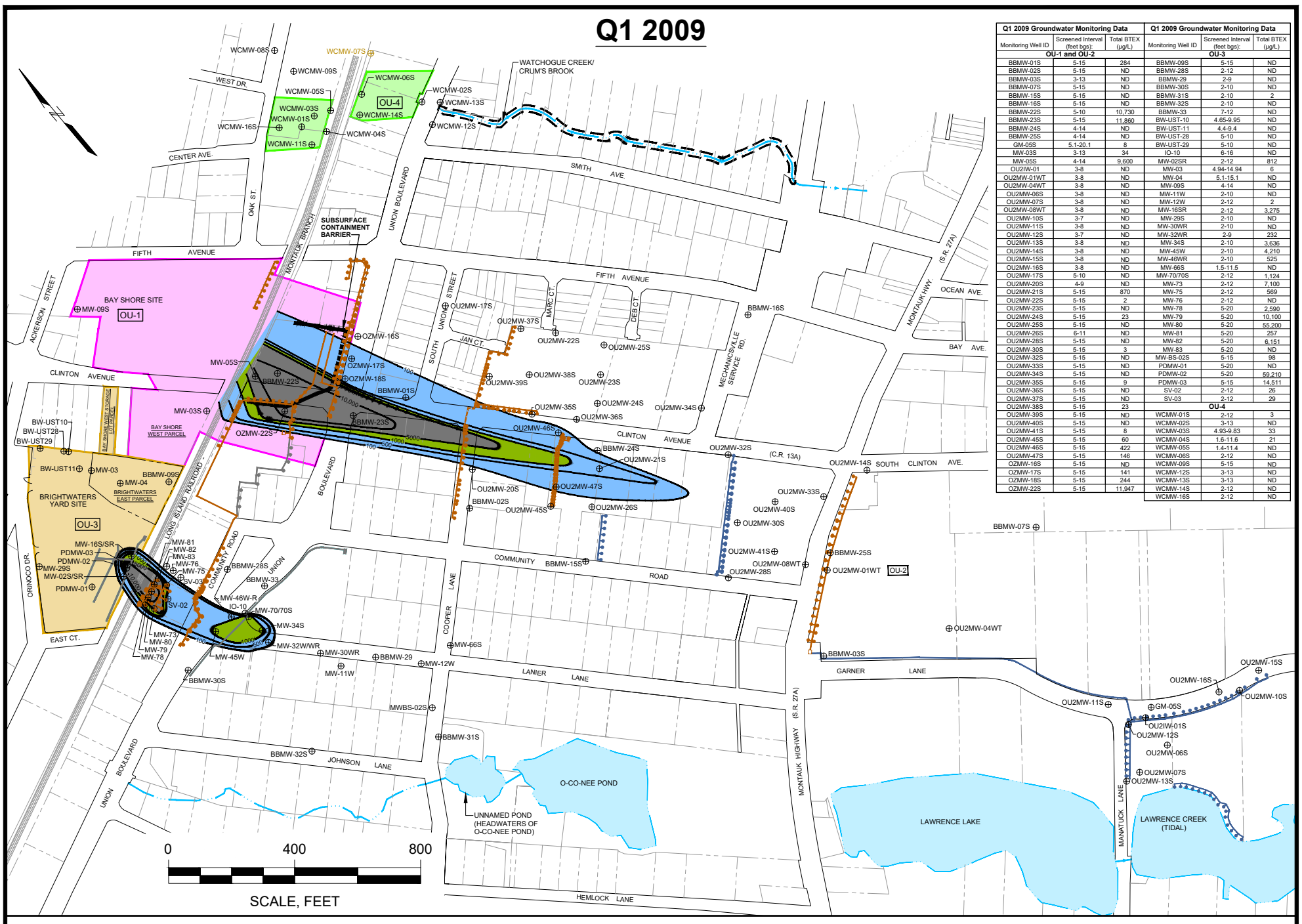
For wells IO-10 through MWBS-02D the baseline average does not reflect data from before a system was turned on, but data from when the OU-3 Union Boulevard System was in

Appendix F

Recent Iso-Concentration Maps –Q3 2021, Q4 2021, Q1 2022

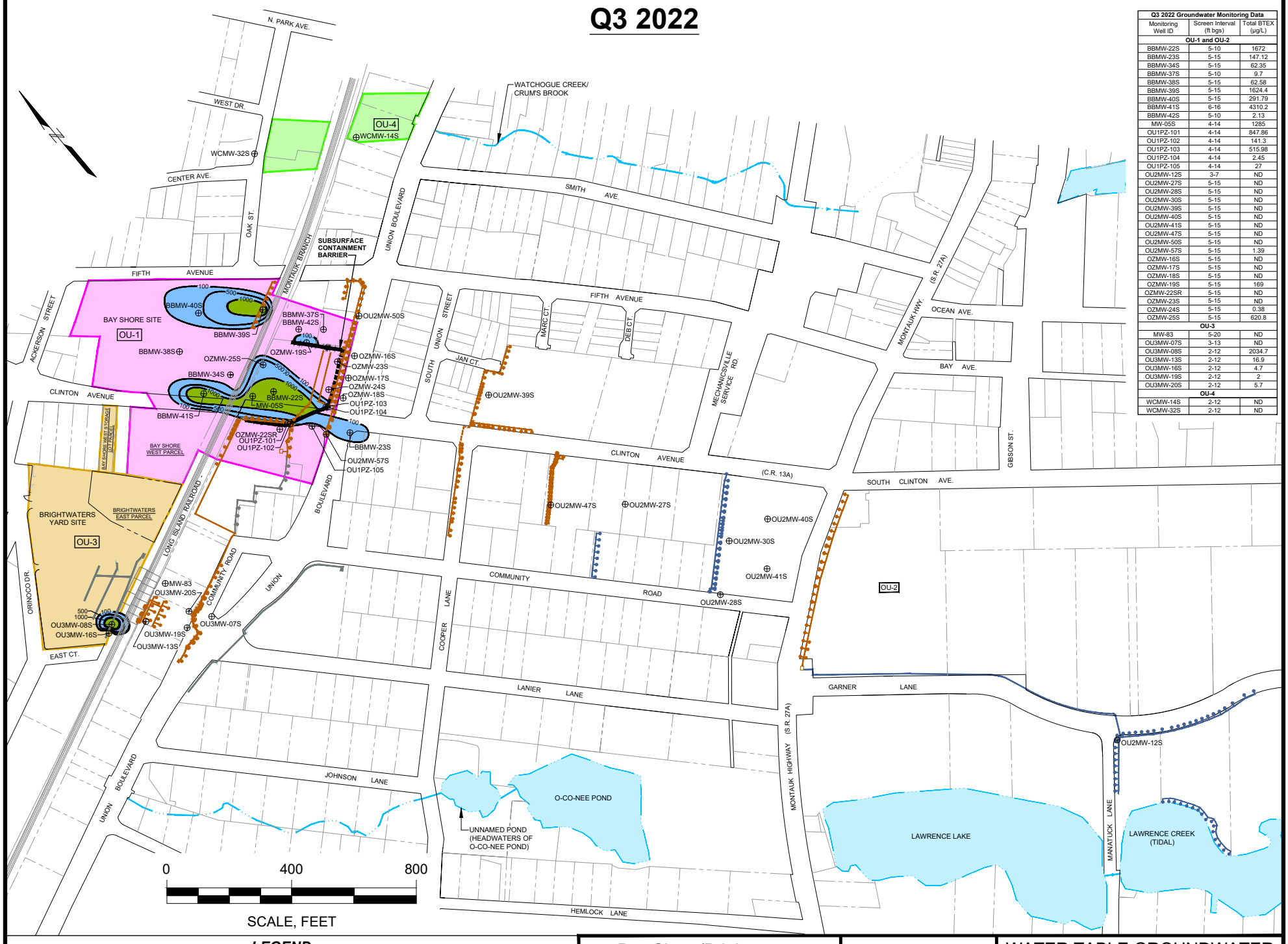
Q1 2009

Q1 2009 Groundwater Monitoring Data			Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)	Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2			**OU-3**		
BBMW-01S	5-15	284	BBMW-09S	5-15	ND
BBMW-02S	5-15	ND	BBMW-28S	2-12	ND
BBMW-03S	3-13	ND	BBMW-29	2-9	ND
BBMW-07S	5-15	ND	BBMW-30S	2-10	ND
BBMW-15S	5-15	ND	BBMW-31S	2-10	2
BBMW-16S	5-15	ND	BBMW-32S	2-10	ND
BBMW-22S	5-10	10,730	BBMW-33	7-12	ND
BBMW-23S	5-15	11,860	BW-UST-10	4.65-9.95	ND
BBMW-24S	4-14	ND	BW-UST-11	4.4-9.4	ND
BBMW-25S	4-14	ND	BW-UST-28	5-10	ND
GM-05S	5.1-20.1	8	BW-UST-29	5-10	ND
MW-03S	3-13	34	IO-10	6-16	ND
MW-05S	4-14	9,600	MW-02SR	2-12	812
OU2IW-01	3-8	ND	MW-03	4.94-14.94	6
OU2MW-01WT	3-8	ND	MW-04	5.1-15.1	ND
OU2MW-04WT	3-8	ND	MW-09S	4-14	ND
OU2MW-06S	3-8	ND	MW-11W	2-10	ND
OU2MW-07S	3-8	ND	MW-12W	2-12	2
OU2MW-08WT	3-8	ND	MW-16SR	2-12	3,275
OU2MW-10S	3-7	ND	MW-29S	2-10	ND
OU2MW-11S	3-8	ND	MW-30WR	2-10	ND
OU2MW-12S	3-7	ND	MW-32WR	2-9	232
OU2MW-13S	3-8	ND	MW-34S	2-10	3,636
OU2MW-14S	3-8	ND	MW-45W	2-10	4,210
OU2MW-15S	3-8	ND	MW-46WR	2-10	525
OU2MW-16S	3-8	ND	MW-66S	1.5-11.5	ND
OU2MW-17S	5-10	ND	MW-70/70S	2-12	1,124
OU2MW-20S	4-9	ND	MW-73	2-12	7,100
OU2MW-21S	5-15	870	MW-75	2-12	569
OU2MW-22S	5-15	2	MW-76	2-12	ND
OU2MW-23S	5-15	ND	MW-78	5-20	2,590
OU2MW-24S	5-15	23	MW-79	5-20	10,100
OU2MW-25S	5-15	ND	MW-80	5-20	55,200
OU2MW-26S	6-11	ND	MW-81	5-20	257
OU2MW-28S	5-15	ND	MW-82	5-20	6,151
OU2MW-30S	5-15	3	MW-83	5-20	ND
OU2MW-32S	5-15	ND	MW-BS-02S	5-15	98
OU2MW-33S	5-15	ND	PDMW-01	5-20	ND
OU2MW-34S	5-15	ND	PDMW-02	5-20	59,210
OU2MW-35S	5-15	9	PDMW-03	5-15	14,511
OU2MW-36S	5-15	ND	SV-02	2-12	26
OU2MW-37S	5-15	ND	SV-03	2-12	29
OU2MW-38S	5-15	23	**OU-4**		
OU2MW-39S	5-15	ND	WCMW-01S	2-12	3
OU2MW-40S	5-15	ND	WCMW-02S	3-13	ND
OU2MW-41S	5-15	8	WCMW-03S	4.93-9.83	33
OU2MW-45S	5-15	60	WCMW-04S	1.6-11.6	21
OU2MW-46S	5-15	422	WCMW-05S	1.4-11.4	ND
OU2MW-47S	5-15	146	WCMW-06S	2-12	ND
OZMW-16S	5-15	ND	WCMW-09S	5-15	ND
OZMW-17S	5-15	141	WCMW-12S	3-13	ND
OZMW-18S	5-15	244	WCMW-13S	3-13	ND
OZMW-22S	5-15	11,947	WCMW-14S	2-12	ND
			WCMW-16S	2-12	ND



Q3 2022

Q3 2022 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (ft bgs)	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-22S	5-10	1672
BBMW-23S	5-15	147.12
BBMW-34S	5-15	62.35
BBMW-37S	5-10	9.7
BBMW-38S	5-15	62.58
BBMW-39S	5-15	1624.4
BBMW-40S	5-15	291.79
BBMW-41S	6-16	4310.2
BBMW-42S	5-10	2.13
MW-05S	4-14	1285
OU1PZ-101	4-14	847.86
OU1PZ-102	4-14	141.3
OU1PZ-103	4-14	515.98
OU1PZ-104	4-14	2.45
OU1PZ-105	4-14	27
OU2MW-12S	3-7	ND
OU2MW-27S	5-15	ND
OU2MW-28S	5-15	ND
OU2MW-30S	5-15	ND
OU2MW-39S	5-15	ND
OU2MW-40S	5-15	ND
OU2MW-41S	5-15	ND
OU2MW-47S	5-15	ND
OU2MW-50S	5-15	ND
OU2MW-57S	5-15	1.39
OZMW-16S	5-15	ND
OZMW-17S	5-15	ND
OZMW-18S	5-15	ND
OZMW-19S	5-15	169
OZMW-22SR	5-15	ND
OZMW-23S	5-15	ND
OZMW-24S	5-15	0.38
OZMW-25S	5-15	620.8
OU-3		
MW-83	5-20	ND
OU3MW-07S	3-13	ND
OU3MW-08S	2-12	2034.7
OU3MW-13S	2-12	16.9
OU3MW-16S	2-12	4.7
OU3MW-19S	2-12	2
OU3MW-20S	2-12	5.7
OU-4		
WCMW-14S	2-12	ND
WCMW-32S	2-12	ND



LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- µg/L — MICROGRAMS PER LITER
- BTEX — BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- BTEX ≧100 µg/L
- BTEX ≧1,000 µg/L
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)

NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

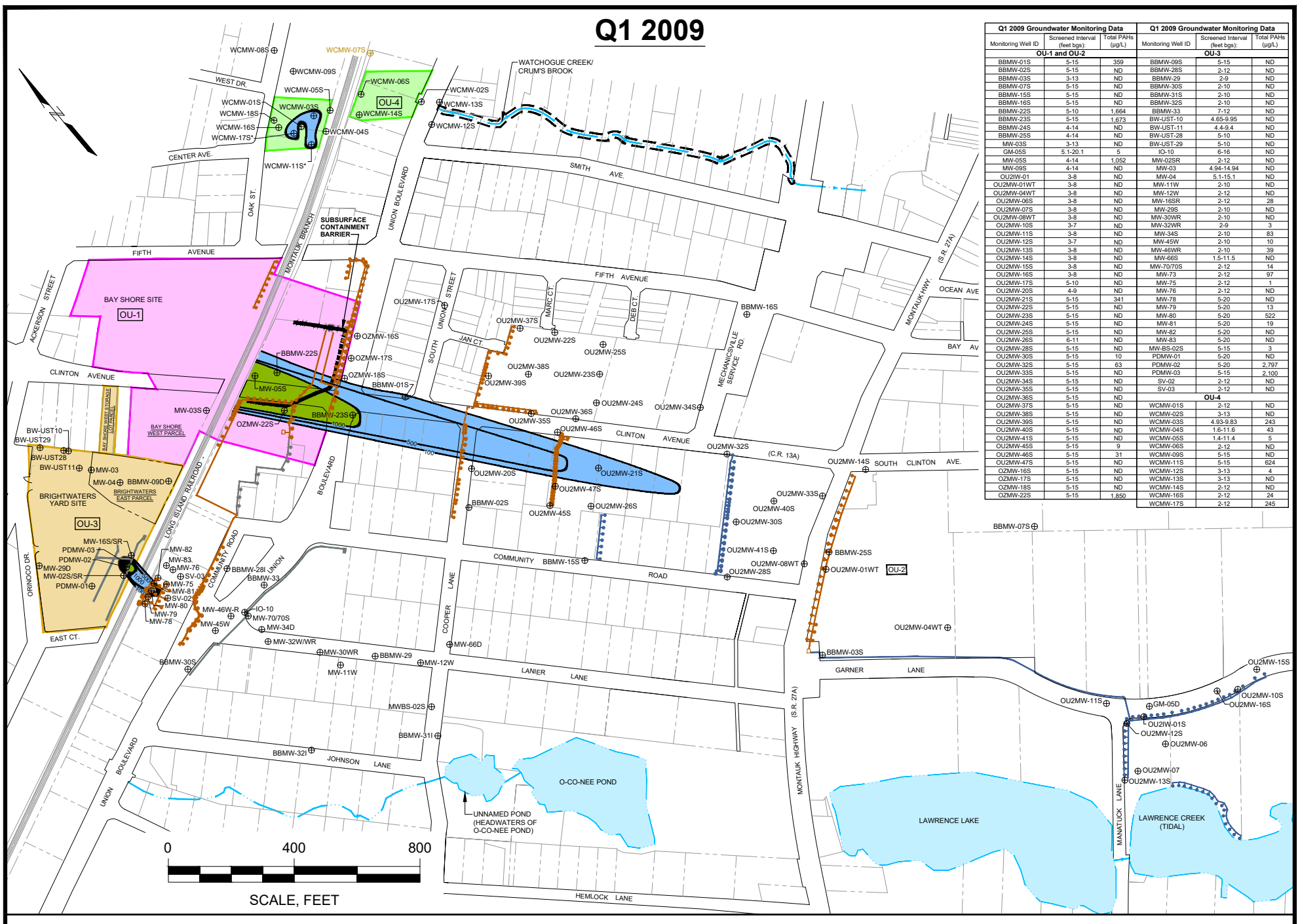
GEI Consultants

WATER TABLE GROUNDWATER
TOTAL BTEX
ISO-CONCENTRATION MAPS
(0-10 FEET BGS)

Project 1905774 | March 2023 | Fig. 3

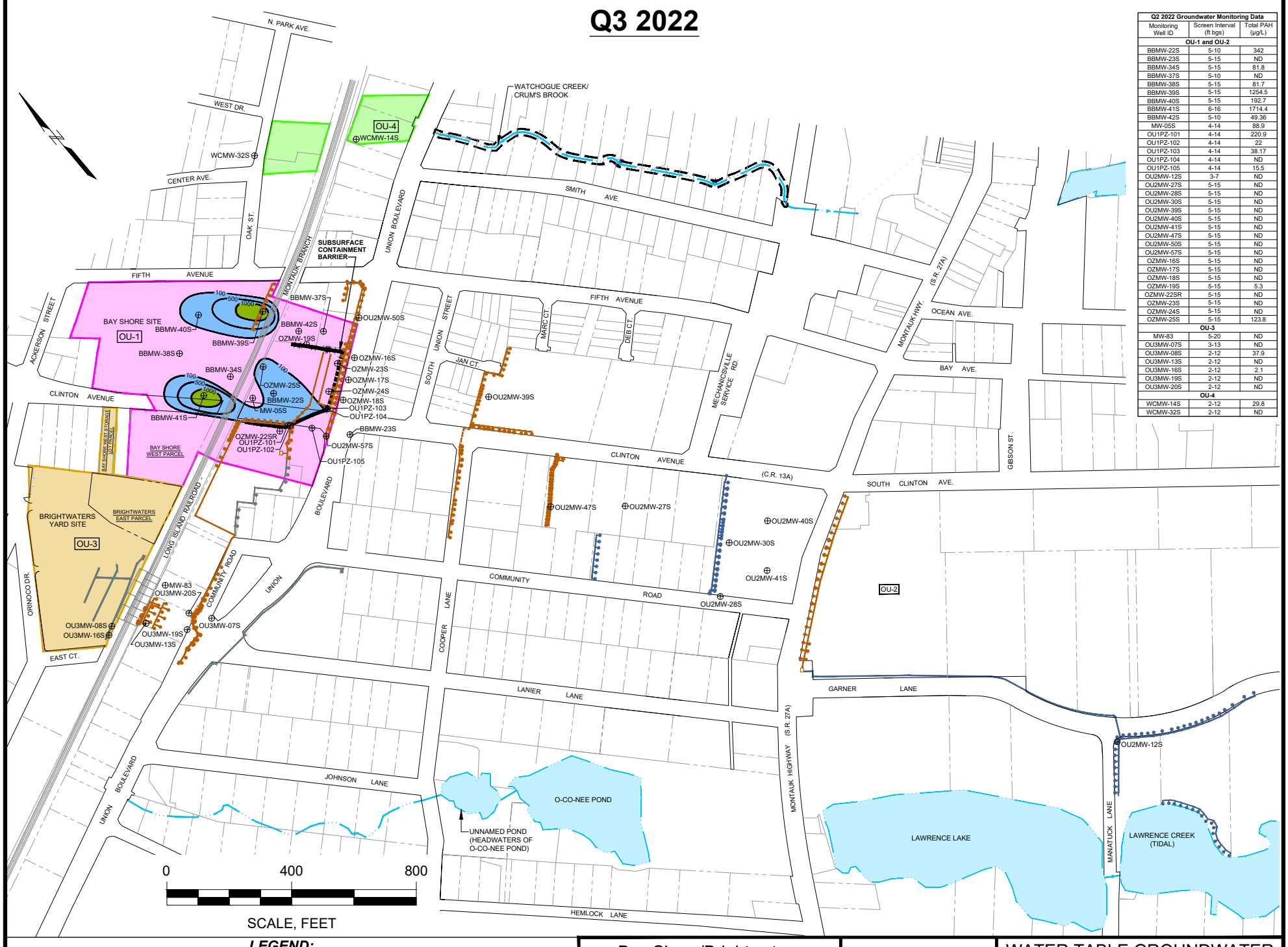
\\Gtb-pzcc-1\ I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2022\Figures\Q3_2022\1905774_OMMQ322_ISOC.dwg - 3/21/2023

Q1 2009



Q1 2009 Groundwater Monitoring Data			Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)	Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2			**OU-3**		
BBMW-01S	5-15	359	BBMW-09S	5-15	ND
BBMW-02S	5-15	ND	BBMW-28S	2-12	ND
BBMW-03S	3-13	ND	BBMW-29	2-9	ND
BBMW-07S	5-15	ND	BBMW-30S	2-10	ND
BBMW-15S	5-15	ND	BBMW-31S	2-10	ND
BBMW-16S	5-15	ND	BBMW-32S	2-10	ND
BBMW-22S	5-10	1,664	BBMW-33	7-12	ND
BBMW-23S	5-15	1,673	BW-UST-10	4.65-9.95	ND
BBMW-24S	4-14	ND	BW-UST-11	4.4-9.4	ND
BBMW-25S	4-14	ND	BW-UST-28	5-10	ND
MW-03S	3-13	ND	BW-UST-29	5-10	ND
GM-05S	5.1-20.1	5	IO-10	6-16	ND
MW-05S	4-14	1,052	MW-02SR	2-12	ND
MW-09S	4-14	ND	MW-03	4.94-14.94	ND
OU2IW-01	3-8	ND	MW-04	5.1-15.1	ND
OU2MW-01WT	3-8	ND	MW-11W	2-10	ND
OU2MW-04WT	3-8	ND	MW-12W	2-12	ND
OU2MW-06S	3-8	ND	MW-16SR	2-12	28
OU2MW-07S	3-8	ND	MW-29S	2-10	ND
OU2MW-08WT	3-8	ND	MW-30WR	2-10	ND
OU2MW-10S	3-7	ND	MW-32WR	2-9	3
OU2MW-11S	3-8	ND	MW-34S	2-10	83
OU2MW-12S	3-7	ND	MW-45W	2-10	10
OU2MW-13S	3-8	ND	MW-46WR	2-10	39
OU2MW-14S	3-8	ND	MW-66S	1.5-11.5	ND
OU2MW-15S	3-8	ND	MW-70/70S	2-12	14
OU2MW-16S	3-8	ND	MW-73	2-12	97
OU2MW-17S	5-10	ND	MW-75	2-12	1
OU2MW-20S	4-9	ND	MW-76	2-12	ND
OU2MW-21S	5-15	341	MW-78	5-20	ND
OU2MW-22S	5-15	ND	MW-79	5-20	13
OU2MW-23S	5-15	ND	MW-80	5-20	522
OU2MW-24S	5-15	ND	MW-81	5-20	19
OU2MW-25S	5-15	ND	MW-82	5-20	ND
OU2MW-26S	6-11	ND	MW-83	5-20	ND
OU2MW-28S	5-15	ND	MW-BS-02S	5-15	3
OU2MW-30S	5-15	10	PDMW-01	5-20	ND
OU2MW-32S	5-15	63	PDMW-02	5-20	2,797
OU2MW-33S	5-15	ND	PDMW-03	5-15	2,100
OU2MW-34S	5-15	ND	SV-02	2-12	ND
OU2MW-35S	5-15	ND	SV-03	2-12	ND
OU2MW-36S	5-15	ND	**OU-4**		
OU2MW-37S	5-15	ND	WCMW-01S	2-12	ND
OU2MW-38S	5-15	ND	WCMW-02S	3-13	ND
OU2MW-39S	5-15	ND	WCMW-03S	4.93-9.83	243
OU2MW-40S	5-15	ND	WCMW-04S	1.6-11.6	43
OU2MW-41S	5-15	ND	WCMW-05S	1.4-11.4	5
OU2MW-45S	5-15	9	WCMW-06S	2-12	ND
OU2MW-46S	5-15	31	WCMW-09S	5-15	ND
OU2MW-47S	5-15	ND	WCMW-11S	5-15	624
OZMW-16S	5-15	ND	WCMW-12S	3-13	4
OZMW-17S	5-15	ND	WCMW-13S	3-13	ND
OZMW-18S	5-15	ND	WCMW-14S	2-12	ND
OZMW-22S	5-15	1,850	WCMW-16S	2-12	24
			WCMW-17S	2-12	245

Q3 2022



Q2 2022 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (ft bgs)	Total PAH (µg/L)
OU-1 and OU-2		
BBMW-22S	5-10	342
BBMW-23S	5-15	ND
BBMW-34S	5-15	81.8
BBMW-37S	5-10	ND
BBMW-38S	5-15	81.7
BBMW-39S	5-15	1254.5
BBMW-40S	5-15	192.7
BBMW-41S	6-16	1714.4
BBMW-42S	5-10	49.36
MW-05S	4-14	88.9
OU1PZ-101	4-14	220.9
OU1PZ-102	4-14	22
OU1PZ-103	4-14	38.17
OU1PZ-104	4-14	ND
OU1PZ-105	4-14	15.5
OU2MW-12S	3-7	ND
OU2MW-27S	5-15	ND
OU2MW-28S	5-15	ND
OU2MW-30S	5-15	ND
OU2MW-39S	5-15	ND
OU2MW-40S	5-15	ND
OU2MW-41S	5-15	ND
OU2MW-47S	5-15	ND
OU2MW-50S	5-15	ND
OU2MW-57S	5-15	ND
OZMW-16S	5-15	ND
OZMW-17S	5-15	ND
OZMW-18S	5-15	ND
OZMW-19S	5-15	5.3
OZMW-22SR	5-15	ND
OZMW-23S	5-15	ND
OZMW-24S	5-15	ND
OZMW-25S	5-15	123.8
OU-3		
MW-83	5-20	ND
OU3MW-07S	3-13	ND
OU3MW-08S	2-12	37.9
OU3MW-13S	2-12	ND
OU3MW-16S	2-12	2.1
OU3MW-19S	2-12	ND
OU3MW-20S	2-12	ND
OU-4		
WCMW-14S	2-12	29.8
WCMW-32S	2-12	ND

LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- µg/L — MICROGRAMS PER LITER
- PAH — POLYCYCLIC AROMATIC HYDROCARBONS
- TOTAL PAH ≧100 µg/L
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)

NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

WATER TABLE GROUNDWATER
TOTAL PAH
ISO-CONCENTRATION MAPS
(0-10 FEET BGS)

Project 1905774 | March 2023 | Fig. 4

\\Gtb-pzcc-1\ I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2022\Figures\Q3_2022\1905774_OMMQ322_ISOC.dwg - 3/21/2023

Q1 2009

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-01I	32-42	47
BBMW-02I	30-40	ND
BBMW-03I	30-40	ND
BBMW-07I	30-40	ND
BBMW-15I	23-28	146
BBMW-15I2	35-45	ND
BBMW-16I	35-45	ND
BBMW-20I	35-45	8
BBMW-22I	30-40	43
BBMW-23I	33-43	ND
BBMW-24I	32-42	10
BBMW-25I	25-35	469
GM-05I	35.05-48.05	ND
GMP-01	25-30	762
GMP-02	28-23	ND
GMP-04	15.5-20.5	ND
MW-03D	35-45	ND
MW-05D	35.5-45.5	26
MW-09I	30-40	ND
OU2MW-01I	35-40	2
OU2MW-01S	20-25	69
OU2MW-02I	35-40	370
OU2MW-02S	20-25	5
OU2MW-03I	35-40	366
OU2MW-03S	20-25	30
OU2MW-04I	35-40	97
OU2MW-04S	20-25	841
OU2MW-05	25-35	466
OU2MW-06	15-25	ND
OU2MW-07	15-25	ND
OU2MW-08I	35-40	46
OU2MW-08S	20-25	1,078
OU2MW-09	20-30	ND
OU2MW-10D	35-40	78
OU2MW-10I	20-25	76
OU2MW-11D	40-45	8
OU2MW-11I	20-25	170
OU2MW-11I2	30-35	98

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
OU2MW-12D	40-45	ND
OU2MW-12I	20-25	107
OU2MW-12I2	30-35	53
OU2MW-13D	35-40	34
OU2MW-13I	20-25	13
OU2MW-14I	20-25	ND
OU2MW-14I2	45-50	ND
OU2MW-15D	40-45	ND
OU2MW-15I	20-25	ND
OU2MW-15I2	30-35	ND
OU2MW-16D	35-40	ND
OU2MW-16I	15-20	ND
OU2MW-16I2	25-30	ND
OU2MW-17I	13-23	80
OU2MW-17I2	35-40	ND
OU2MW-18I	13-23	28,040
OU2MW-18I2	35-45	ND
OU2MW-19I	13-23	82
OU2MW-19I2	35-45	103
OU2MW-20I	13-23	819
OU2MW-20I2	35-45	ND
OU2MW-21I	13-23	4,930
OU2MW-21I2	35-45	479
OU2MW-22I	25-30	125
OU2MW-22I2	46-51	ND
OU2MW-23I	25-30	157
OU2MW-23I2	45-50	ND
OU2MW-24I	25-30	2,153
OU2MW-24I2	45-50	ND
OU2MW-25I	25-30	276
OU2MW-25I2	45-50	ND
OU2MW-26I	13-23	287
OU2MW-26I2	35-45	1,559
OU2MW-28I	28-33	93
OU2MW-28I2	40-45	1
OU2MW-29D	45-50	359
OU2MW-29I	18-23	1,122
OU2MW-29I2	30-35	87
OU2MW-29D	45-50	359
OU2MW-30I	25-30	208
OU2MW-30I2	30-35	43
OU2MW-30I3	45-50	254
OU2MW-31I	18-23	779
OU2MW-31I2	30-35	1
OU2MW-32D	40-45	25
OU2MW-32I	20-25	3,698
OU2MW-32I2	30-35	71
OU2MW-33I	20-25	3,159
OU2MW-33I2	30-35	77
OU2MW-34I	25-30	2,348
OU2MW-34I2	45-50	ND
OU2MW-35I	25-30	9
OU2MW-35I2	45-50	ND
OU2MW-36I	25-30	55
OU2MW-36I2	45-50	ND
OU2MW-37I	25-30	373
OU2MW-37I2	45-50	ND
OU2MW-38I	25-30	122

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
OU2MW-38I2	46-51	ND
OU2MW-39I	25-30	ND
OU2MW-39I2	45-50	ND
OU2MW-40I	18-23	270
OU2MW-41I	18-23	1,433
OU2MW-45I	20-25	10
OU2MW-45I2	40-45	ND
OU2MW-46I	20-25	1,991
OU2MW-46I2	40-45	375
OU2MW-47I	20-25	2,714
OU2MW-47I2	40-45	159
OZMW-16I	20-30	441
OZMW-16I2	35-40	12
OZMW-17I	20-30	74
OZMW-17I2	35-45	ND
OZMW-18I	20-30	178
OZMW-18I2	35-45	129
OZMW-22I	20-30	607
OZMW-22I2	35-45	2
OU-3		
BBMW-09I	20-30	ND
BBMW-28I	10-20	ND
BBMW-30D	30-35	ND
BBMW-30I	14-19	ND
BBMW-31D	30-35	3
BBMW-31I	14-19	3
BBMW-32D	30-35	ND
BBMW-32I	14-19	ND
MW-02IR	22.5-23.5	ND
MW-16I	14-19	ND
MW-26D	14-19	ND
MW-29D	14-19	ND
MW-34D	27.5-28.5	ND
MW-34I	18.5-19.5	ND
MW-64	19-24	ND
MW-65	11-16	ND
MW-66D	24-29	ND
MW-BS-02D	24.5-25.5	ND
MW-BS-02I	14.5-15.5	ND
OU-4		
WCMW-01I	35-45	ND
WCMW-02I	34.5 - 44.5	ND
WCMW-03I	19.4 - 24.4	ND
WCMW-03I2	28.55 - 33.55	ND
WCMW-04I	19.4-24.4	ND
WCMW-04I2	29.85 - 34.85	ND
WCMW-05I	19.61 - 24.61	ND
WCMW-05I2	29.46 - 34.46	ND
WCMW-06I	19.55 - 24.55	ND
WCMW-06I2	29.83 - 34.83	ND
WCMW-10S	15-20	ND
WCMW-10D	40-50	ND
WCMW-12I	25-30	ND
WCMW-13I	25-30	ND
WCMW-14I	20-25	ND
WCMW-14I2	30-35	ND
WCMW-16I	20-25	ND
WCMW-16I2	30-35	ND

Q3 2022

Q3 2022 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (ft bgs)	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-20I	35-45	20.81
BBMW-34I	25-30	452
BBMW-34I2*	40-45	34
BBMW-38I*	25-30	4
BBMW-38I2*	35-45	3
BBMW-41I	25-30	ND
MW-05D	35.5-45.5	24.2
OU2MW-02S	20-25	28
OU2MW-02I	35-40	96
OU2MW-12I	20-25	ND
OU2MW-12I2	30-35	ND
OU2MW-12D	40-45	ND
OU2MW-19I	13-23	ND
OU2MW-19I2	35-45	ND
OU2MW-27I	25-30	ND
OU2MW-27I2	45-50	ND
OU2MW-28I	28-33	ND
OU2MW-28I2	40-45	ND
OU2MW-29I	18-23	ND
OU2MW-29I2	30-35	ND
OU2MW-29D	45-50	ND
OU2MW-30I	25-30	ND
OU2MW-30I2	30-35	ND
OU2MW-30I3	45-50	ND
OU2MW-31I	18-23	ND
OU2MW-31I2	30-35	ND
OU2MW-39I	25-30	0.55
OU2MW-39I2	45-50	ND
OU2MW-40I	18-23	ND
OU2MW-41I	18-23	ND
OU2MW-47I	20-25	ND
OU2MW-47I2	40-45	ND
OU2MW-50I	25-30	ND
OU2MW-50I2	45-50	ND
OU2MW-57I	20-30	ND
OU2MW-57I2	35-45	ND

Q3 2022 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (ft bgs)	Total BTEX (µg/L)
OU-1 and OU-2		
OZMW-16I	20-30	ND
OZMW-16I2	35-45	ND
OZMW-17I	20-30	ND
OZMW-17I2	35-45	ND
OZMW-18I	20-30	ND
OZMW-18I2	35-45	ND
OZMW-19I	20-30	58.64
OZMW-19I2	35-45	125.33
OZMW-21I*	20-30	350
OZMW-21I2	35-45	54
OZMW-23I	20-30	ND
OZMW-23I2	35-45	ND
OZMW-24I	20-30	1.33
OZMW-24I2	35-45	158.55
OZMW-25I	20-30	336.8
OZMW-25I2	35-45	3.7
OZMW-26I2	35-45	ND
OU-3		
IP-20B	24-25	1812.7
MW-64	19-24	19.41
MW-65	11-16	0.34
OU3MW-07I	15-20	ND
OU3MW-07I2	20-25	ND
OU3MW-07I3	25-30	ND
OU3MW-07I4	35-40	ND
OU3MW-09I	25-30	839.4
OU3MW-10I	25-30	214.47
OU3MW-19I	20-25	ND
OU3MW-19I2	30-35	ND
OU3MW-20I	20-25	ND
OU3MW-20I2	30-35	2.2
OU3MW-23I/IP-17B	10-15	ND
OU3MW-24I2/IP-19B	25-30	191.21
OU-4		
WCMW-30I	20-25	ND

NOTE:

* INDICATES WELL NOT SAMPLED IN Q3 2022 DUE TO MEASURABLE LEVELS OF DNAPL. THE AVERAGE CONCENTRATIONS FROM THE FOUR MOST RECENT SAMPLING EVENTS WERE USED TO GENERATE CONTOURS.

0 400 800

SCALE, FEET

LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- ⊕BBMW-38I — WELL NOT SAMPLED IN Q3 2022 DUE TO MEASURABLE LEVELS OF DNAPL
- µg/L — MICROGRAMS PER LITER
- BTEX ≧100 µg/L — BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)

NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

INTERMEDIATE GROUNDWATER TOTAL BTEX ISO-CONCENTRATION MAPS (10-50 FEET BGS)

Project 1905774 | March 2023 | Fig. 5

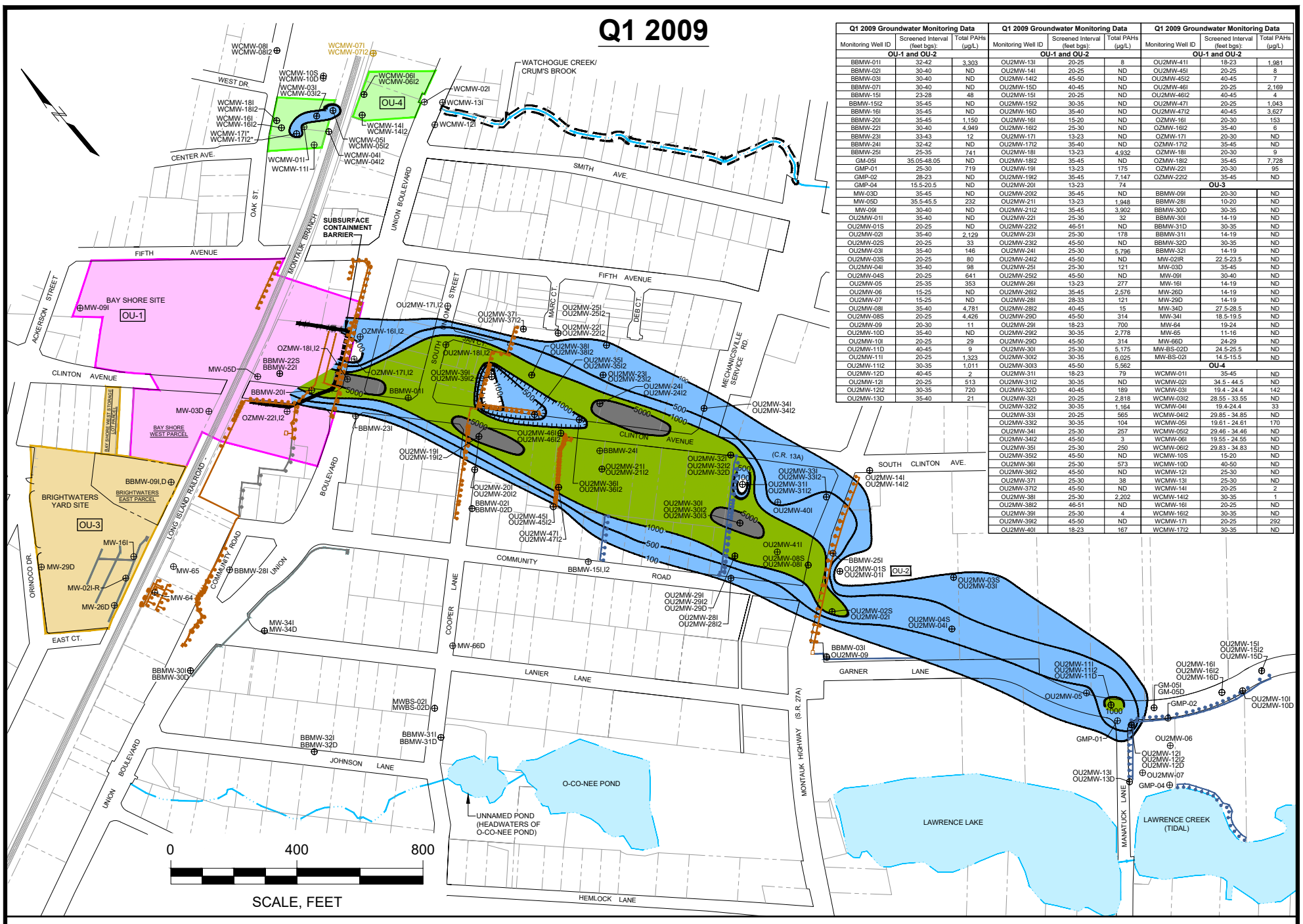
\\Gtb-pzcc-1\ I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2022\Figures\Q3_2022\1905774_OMMQ322_ISOC.dwg - 3/21/2023

Q1 2009

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
BBMW-01I	32-42	3,303
BBMW-02I	30-40	ND
BBMW-03I	30-40	ND
BBMW-07I	30-40	ND
BBMW-15I	23-28	48
BBMW-15I2	35-45	ND
BBMW-16I	35-45	ND
BBMW-20I	35-45	1,150
BBMW-22I	30-40	4,949
BBMW-23I	33-43	12
BBMW-24I	32-42	ND
BBMW-25I	25-35	741
GM-05I	35.05-48.05	ND
GMP-01	25-30	719
GMP-02	28-23	ND
GMP-04	15.5-20.5	ND
MW-03D	35-45	ND
MW-05D	35.5-45.5	232
MW-09I	30-40	ND
OU2MW-01I	35-40	ND
OU2MW-01S	20-25	ND
OU2MW-02I	35-40	2,129
OU2MW-02S	20-25	33
OU2MW-03I	35-40	146
OU2MW-03S	20-25	80
OU2MW-04I	35-40	98
OU2MW-04S	20-25	641
OU2MW-05	25-35	353
OU2MW-06	15-25	ND
OU2MW-07	15-25	ND
OU2MW-08I	35-40	4,781
OU2MW-08S	20-25	4,426
OU2MW-09	20-30	11
OU2MW-10D	35-40	ND
OU2MW-10I	20-25	29
OU2MW-11D	40-45	9
OU2MW-11I	20-25	1,323
OU2MW-11I2	30-35	1,011
OU2MW-12D	40-45	2
OU2MW-12I	20-25	513
OU2MW-12I2	30-35	720
OU2MW-13D	35-40	21

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
OU2MW-13I	20-25	8
OU2MW-14I	20-25	ND
OU2MW-14I2	45-50	ND
OU2MW-15D	40-45	ND
OU2MW-15I	20-25	ND
OU2MW-15I2	30-35	ND
OU2MW-16D	35-40	ND
OU2MW-16I	15-20	ND
OU2MW-16I2	25-30	ND
OU2MW-17I	13-23	ND
OU2MW-17I2	35-40	ND
OU2MW-18I	13-23	4,932
OU2MW-18I2	35-45	ND
OU2MW-19I	13-23	175
OU2MW-19I2	35-45	7,147
OU2MW-20I	13-23	74
OU2MW-20I2	35-45	ND
OU2MW-21I	13-23	1,948
OU2MW-21I2	35-45	3,902
OU2MW-22I	25-30	32
OU2MW-22I2	46-51	ND
OU2MW-23I	25-30	178
OU2MW-23I2	45-50	ND
OU2MW-24I	25-30	5,796
OU2MW-24I2	45-50	ND
OU2MW-25I	25-30	121
OU2MW-25I2	45-50	ND
OU2MW-26I	13-23	277
OU2MW-26I2	35-45	2,576
OU2MW-28I	28-33	121
OU2MW-28I2	40-45	15
OU2MW-29D	45-50	314
OU2MW-29I	18-23	700
OU2MW-29I2	30-35	2,778
OU2MW-29D	45-50	314
OU2MW-30I	25-30	5,175
OU2MW-30I2	30-35	6,025
OU2MW-30I3	45-50	5,562
OU2MW-31I	18-23	79
OU2MW-31I2	30-35	ND
OU2MW-32D	40-45	189
OU2MW-32I	20-25	2,818
OU2MW-32I2	30-35	1,164
OU2MW-33I	20-25	565
OU2MW-33I2	30-35	104
OU2MW-34I	25-30	257
OU2MW-34I2	45-50	3
OU2MW-35I	25-30	250
OU2MW-35I2	45-50	ND
OU2MW-36I	25-30	573
OU2MW-36I2	45-50	ND
OU2MW-37I	25-30	38
OU2MW-37I2	45-50	ND
OU2MW-38I	25-30	2,202
OU2MW-38I2	46-51	ND
OU2MW-39I	25-30	4
OU2MW-39I2	45-50	ND
OU2MW-40I	18-23	167

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
OU2MW-41I	18-23	1,981
OU2MW-45I	20-25	8
OU2MW-45I2	40-45	7
OU2MW-46I	20-25	2,169
OU2MW-46I2	40-45	4
OU2MW-47I	20-25	1,043
OU2MW-47I2	40-45	3,627
OZMW-16I	20-30	153
OZMW-16I2	35-40	6
OZMW-17I	20-30	ND
OZMW-17I2	35-45	ND
OZMW-18I	20-30	9
OZMW-18I2	35-45	7,728
OZMW-22I	20-30	95
OZMW-22I2	35-45	ND
OU-3		
BBMW-09I	20-30	ND
BBMW-28I	10-20	ND
BBMW-30D	30-35	ND
BBMW-30I	14-19	ND
BBMW-31D	30-35	ND
BBMW-31I	14-19	ND
BBMW-32D	30-35	ND
BBMW-32I	14-19	ND
MW-02IR	22.5-23.5	ND
MW-03D	35-45	ND
MW-09I	30-40	ND
MW-16I	14-19	ND
MW-26D	14-19	ND
MW-29D	14-19	ND
MW-34D	27.5-28.5	ND
MW-34I	18.5-19.5	ND
MW-64	19-24	ND
MW-65	11-16	ND
MW-66D	24-29	ND
MW-66I	24-29	ND
MW-BS-02D	24.5-25.5	ND
MW-BS-02I	14.5-15.5	ND
OU-4		
WCMW-01I	35-45	ND
WCMW-02I	34.5 - 44.5	ND
WCMW-03I	19.4 - 24.4	142
WCMW-03I2	28.55 - 33.55	ND
WCMW-04I	19.4-24.4	33
WCMW-04I2	29.85 - 34.85	ND
WCMW-05I	19.61 - 24.61	170
WCMW-05I2	29.46 - 34.46	ND
WCMW-06I	19.55 - 24.55	ND
WCMW-06I2	29.83 - 34.83	ND
WCMW-10S	15-20	ND
WCMW-10D	40-50	ND
WCMW-12I	25-30	ND
WCMW-13I	25-30	ND
WCMW-14I	20-25	2
WCMW-14I2	30-35	1
WCMW-16I	20-25	ND
WCMW-16I2	30-35	ND
WCMW-17I	20-25	292
WCMW-17I2	30-35	ND



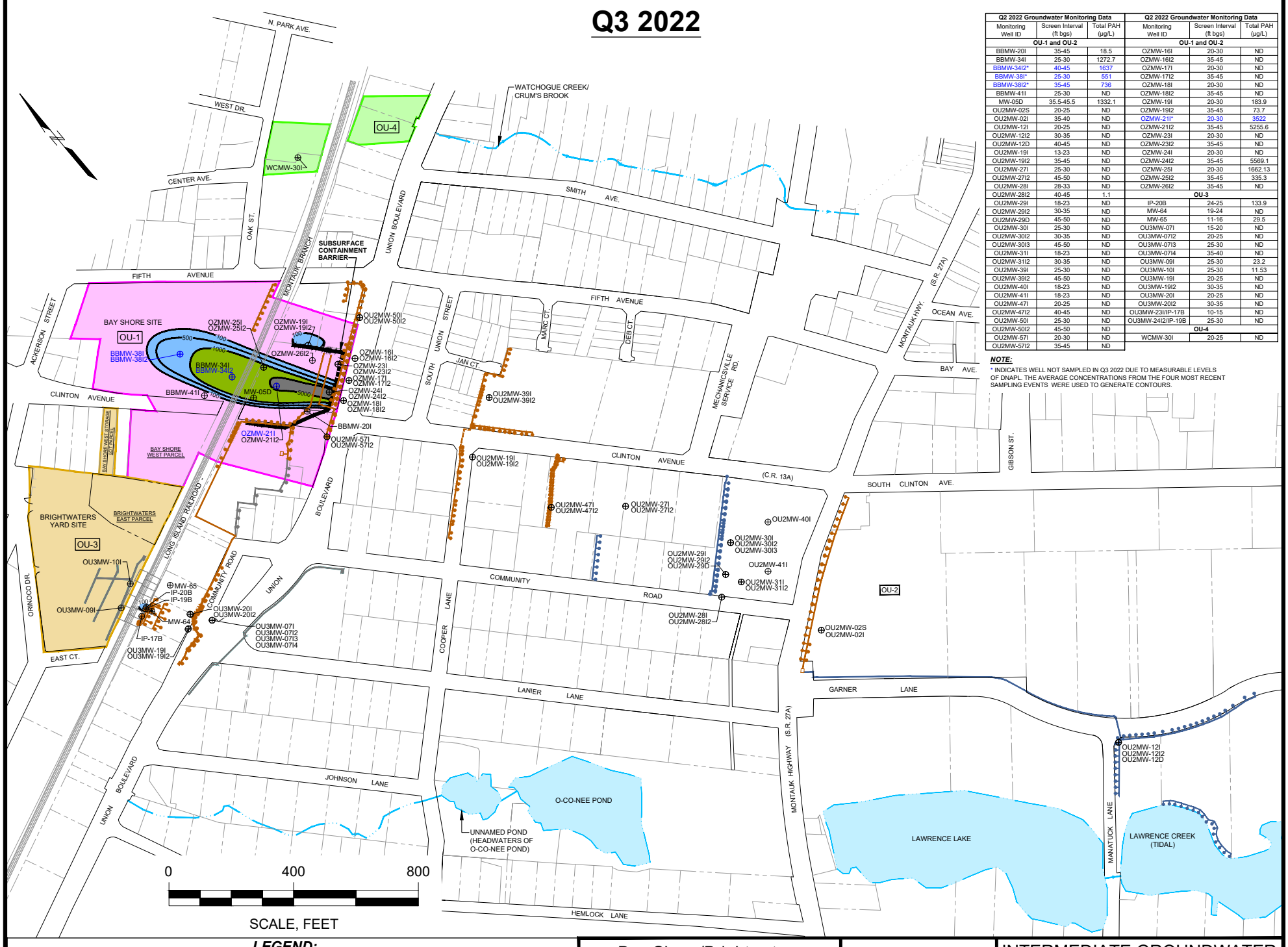
Q3 2022

Q2 2022 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (ft bgs)	Total PAH (µg/L)
OU-1 and OU-2		
BBMW-20I	35-45	18.5
BBMW-34I	25-30	1272.7
BBMW-34I2*	40-45	1637
BBMW-38I*	25-30	551
BBMW-38I2*	35-45	736
BBMW-41I	25-30	ND
MW-05D	35.5-45.5	1332.1
OU2MW-02S	20-25	ND
OU2MW-02I	35-40	ND
OU2MW-12I	20-25	ND
OU2MW-12I2	30-35	ND
OU2MW-12D	40-45	ND
OU2MW-19I	13-23	ND
OU2MW-19I2	35-45	ND
OU2MW-27I	25-30	ND
OU2MW-27I2	45-50	ND
OU2MW-28I	28-33	ND
OU2MW-28I2	40-45	1.1
OU2MW-29I	18-23	ND
OU2MW-29I2	30-35	ND
OU2MW-29D	45-50	ND
OU2MW-30I	25-30	ND
OU2MW-30I2	30-35	ND
OU2MW-30I3	45-50	ND
OU2MW-31I	18-23	ND
OU2MW-31I2	30-35	ND
OU2MW-39I	25-30	ND
OU2MW-39I2	45-50	ND
OU2MW-40I	18-23	ND
OU2MW-41I	18-23	ND
OU2MW-47I	20-25	ND
OU2MW-47I2	40-45	ND
OU2MW-50I	25-30	ND
OU2MW-50I2	45-50	ND
OU2MW-57I	20-30	ND
OU2MW-57I2	35-45	ND

Q2 2022 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (ft bgs)	Total PAH (µg/L)
OU-1 and OU-2		
OZMW-16I	20-30	ND
OZMW-16I2	35-45	ND
OZMW-17I	20-30	ND
OZMW-17I2	35-45	ND
OZMW-18I	20-30	ND
OZMW-18I2	35-45	ND
OZMW-19I	20-30	183.9
OZMW-19I2	35-45	73.7
OZMW-21I*	20-30	3522
OZMW-21I2	35-45	5255.6
OZMW-23I	20-30	ND
OZMW-23I2	35-45	ND
OZMW-24I	20-30	ND
OZMW-24I2	35-45	5569.1
OZMW-25I	20-30	1662.13
OZMW-25I2	35-45	335.3
OZMW-26I2	35-45	ND
OU-3		
IP-20B	24-25	133.9
MW-64	19-24	ND
MW-65	11-16	29.5
OU3MW-07I	15-20	ND
OU3MW-07I2	20-25	ND
OU3MW-07I3	25-30	ND
OU3MW-07I4	35-40	ND
OU3MW-09I	25-30	23.2
OU3MW-10I	25-30	11.53
OU3MW-19I	20-25	ND
OU3MW-19I2	30-35	ND
OU3MW-20I	20-25	ND
OU3MW-20I2	30-35	ND
OU3MW-23I/IP-17B	10-15	ND
OU3MW-24I2/IP-19B	25-30	ND
OU-4		
WCMW-30I	20-25	ND

NOTE:

* INDICATES WELL NOT SAMPLED IN Q3 2022 DUE TO MEASURABLE LEVELS OF DNAPL. THE AVERAGE CONCENTRATIONS FROM THE FOUR MOST RECENT SAMPLING EVENTS WERE USED TO GENERATE CONTOURS.



LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- ⊕BBMW-38I — WELL NOT SAMPLED IN Q3 2022 DUE TO MEASURABLE LEVELS OF DNAPL
- µg/L — MICROGRAMS PER LITER
- TOTAL PAH ≧100 µg/L
- TOTAL PAH ≧1,000 µg/L
- TOTAL PAH ≧5,000 µg/L
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)
- PAH — POLYCYCLIC AROMATIC HYDROCARBONS

NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

Project 1905774

INTERMEDIATE GROUNDWATER
TOTAL PAH
ISO-CONCENTRATION MAPS
(10-50 FEET BGS)

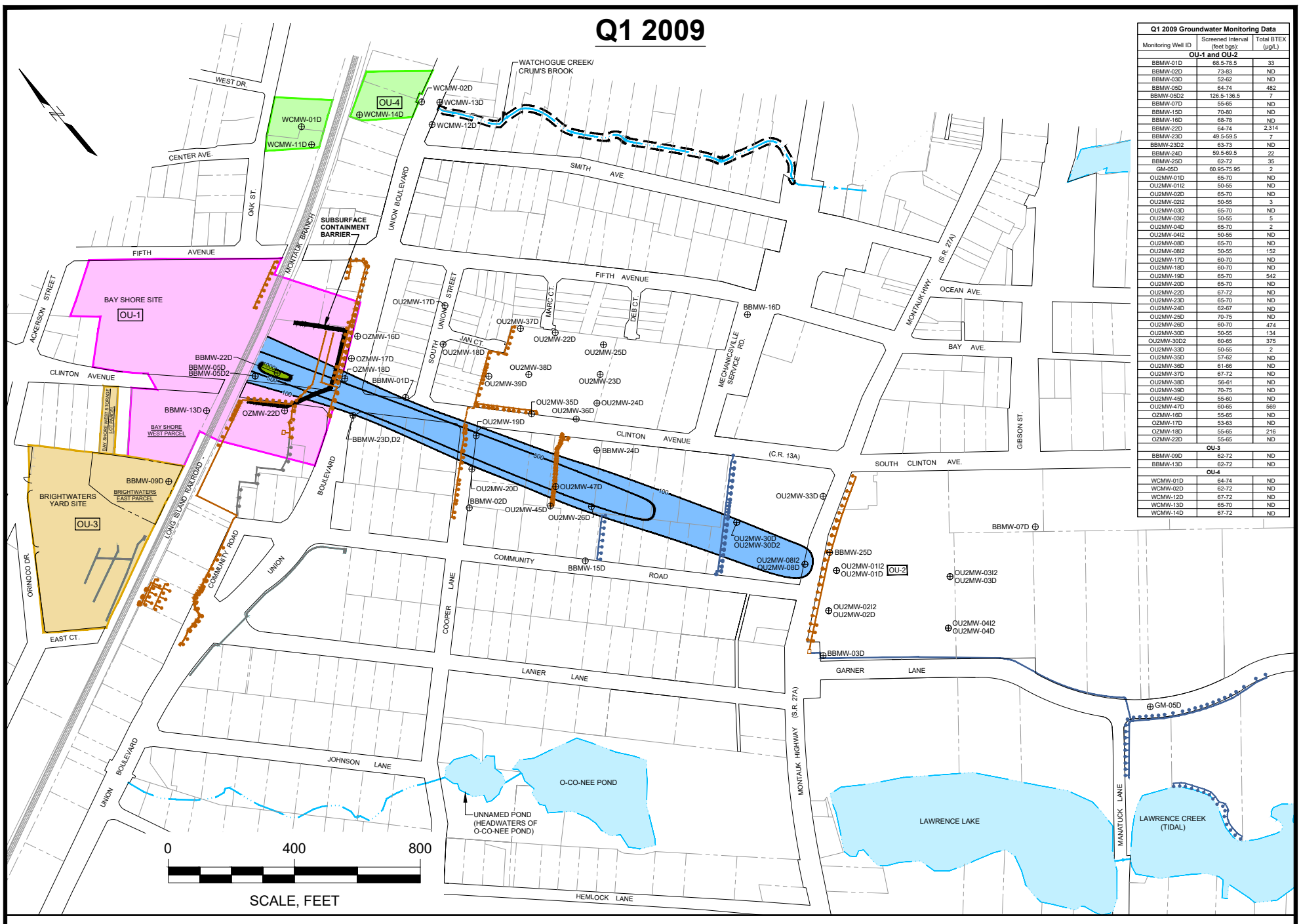
March 2023 Fig. 6

\\Gtb-pzcc-1\ I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2022\Figures\Q3_2022\1905774_OMMQ322_ISOC.dwg - 3/22/2023

Q1 2009

Q1 2009 Groundwater Monitoring Data

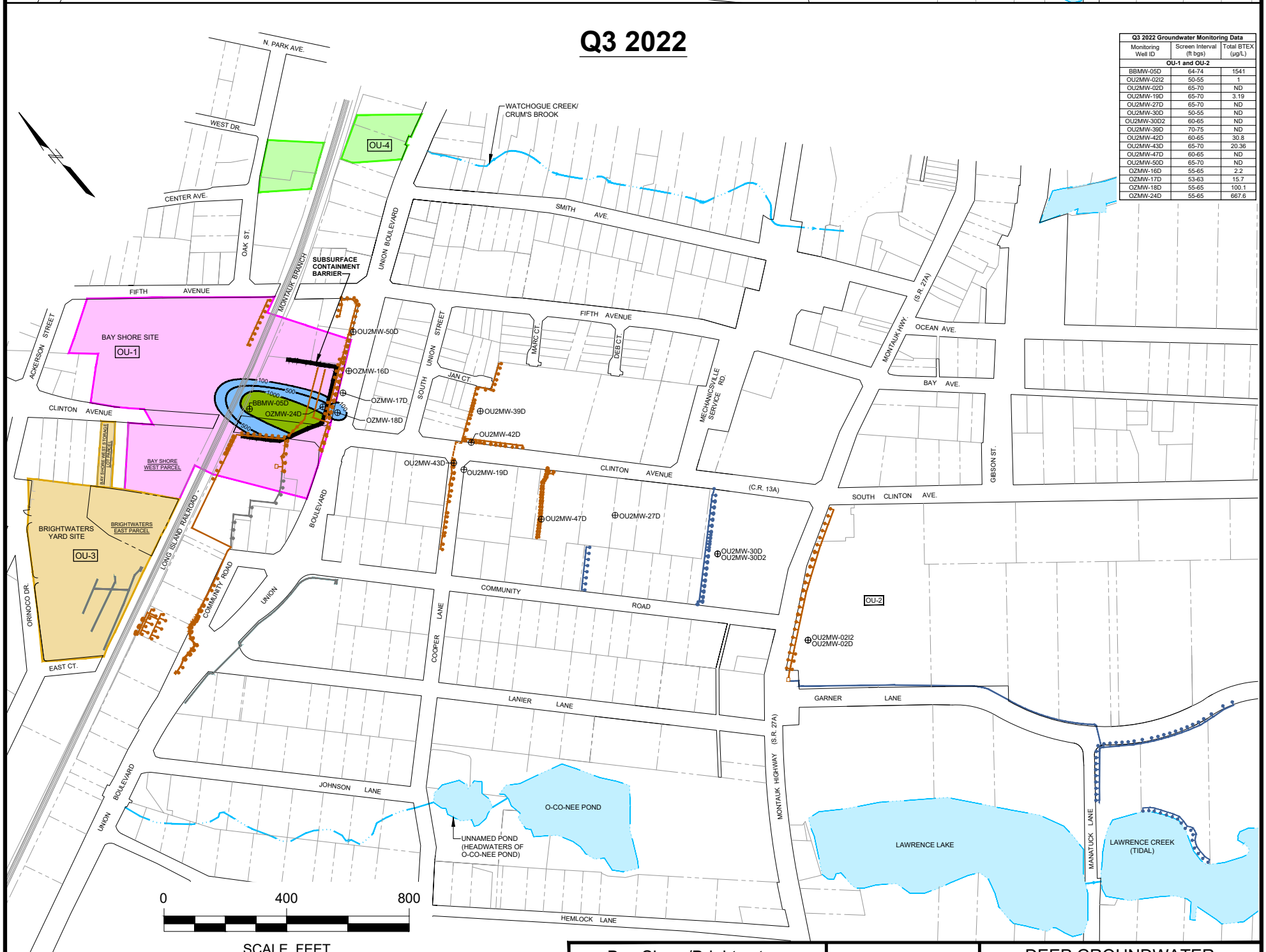
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-01D	68.5-78.5	33
BBMW-02D	73-83	ND
BBMW-03D	52-62	ND
BBMW-05D	64-74	482
BBMW-05D2	126.5-136.5	7
BBMW-07D	55-65	ND
BBMW-15D	70-80	ND
BBMW-16D	68-78	ND
BBMW-22D	64-74	2,314
BBMW-23D	49.5-59.5	7
BBMW-23D2	63-73	ND
BBMW-24D	59.5-69.5	22
BBMW-25D	62-72	35
GM-05D	60.95-75.95	2
OU2MW-01D	65-70	ND
OU2MW-01I2	50-55	ND
OU2MW-02D	65-70	ND
OU2MW-02I2	50-55	3
OU2MW-03D	65-70	ND
OU2MW-03I2	50-55	5
OU2MW-04D	65-70	2
OU2MW-04I2	50-55	ND
OU2MW-08D	65-70	ND
OU2MW-08I2	50-55	152
OU2MW-17D	60-70	ND
OU2MW-18D	60-70	ND
OU2MW-19D	65-70	542
OU2MW-20D	65-70	ND
OU2MW-22D	67-72	ND
OU2MW-23D	65-70	ND
OU2MW-24D	62-67	ND
OU2MW-25D	70-75	ND
OU2MW-26D	60-70	474
OU2MW-30D	50-55	134
OU2MW-30D2	60-65	375
OU2MW-33D	50-55	2
OU2MW-35D	57-62	ND
OU2MW-36D	61-66	ND
OU2MW-37D	67-72	ND
OU2MW-38D	56-61	ND
OU2MW-39D	70-75	ND
OU2MW-45D	55-60	ND
OU2MW-47D	60-65	569
OZMW-16D	55-65	ND
OZMW-17D	53-63	ND
OZMW-18D	55-65	216
OZMW-22D	55-65	ND
OU-3		
BBMW-09D	62-72	ND
BBMW-13D	62-72	ND
OU-4		
WCMW-01D	64-74	ND
WCMW-02D	62-72	ND
WCMW-12D	67-72	ND
WCMW-13D	65-70	ND
WCMW-14D	67-72	ND



Q3 2022

Q3 2022 Groundwater Monitoring Data

Monitoring Well ID	Screen Interval (ft bgs)	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-05D	64-74	1541
OU2MW-02I2	50-55	1
OU2MW-02D	65-70	ND
OU2MW-19D	65-70	3.19
OU2MW-27D	65-70	ND
OU2MW-30D	50-55	ND
OU2MW-30D2	60-65	ND
OU2MW-39D	70-75	ND
OU2MW-42D	60-65	30.8
OU2MW-43D	65-70	20.36
OU2MW-47D	60-65	ND
OU2MW-50D	65-70	ND
OZMW-16D	55-65	2.2
OZMW-17D	53-63	15.7
OZMW-18D	55-65	100.1
OZMW-24D	55-65	667.6



LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- µg/L — MICROGRAMS PER LITER
- BTEX — BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- BTEX ≧100 µg/L
- BTEX ≧1,000 µg/L
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

DEEP GROUNDWATER TOTAL BTEX ISO-CONCENTRATION MAPS (BELOW 50 FEET BGS)

Project 1905774 | March 2023 | Fig. 7

\\Gtb-pzcc-1\ I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2022\Figures\Q3_2022\1905774_OMMQ322_ISOC.dwg - 3/22/2023

Q1 2009

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
BBMW-01D	68.5-78.5	68
BBMW-02D	73-83	ND
BBMW-03D	52-62	ND
BBMW-05D	64-74	786
BBMW-05D2	126.5-136.5	ND
BBMW-07D	55-65	ND
BBMW-15D	70-80	ND
BBMW-16D	68-78	ND
BBMW-22D	64-74	5,140
BBMW-23D	49.5-59.5	34
BBMW-23D2	63-73	ND
BBMW-24D	59.5-69.5	233
BBMW-25D	62-72	ND
GM-05D	60.95-75.95	ND
OU2MW-01D	65-70	ND
OU2MW-01I2	50-55	ND
OU2MW-02D	65-70	ND
OU2MW-02I2	50-55	6
OU2MW-03D	65-70	ND
OU2MW-03I2	50-55	ND
OU2MW-04D	65-70	ND
OU2MW-04I2	50-55	ND
OU2MW-08D	65-70	ND
OU2MW-08I2	50-55	906
OU2MW-17D	60-70	ND
OU2MW-18D	60-70	ND
OU2MW-19D	65-70	1,862
OU2MW-20D	65-70	ND
OU2MW-22D	67-72	ND
OU2MW-23D	65-70	ND
OU2MW-24D	62-67	ND
OU2MW-25D	70-75	ND
OU2MW-26D	60-70	1,742
OU2MW-30D	50-55	1,652
OU2MW-30D2	60-65	4,735
OU2MW-33D	50-55	ND
OU2MW-35D	57-62	ND
OU2MW-36D	61-66	1
OU2MW-37D	67-72	ND
OU2MW-38D	56-61	ND
OU2MW-39D	70-75	ND
OU2MW-45D	55-60	ND
OU2MW-47D	60-65	7,007
OZMW-16D	55-65	ND
OZMW-17D	53-63	2
OZMW-18D	55-65	435
OZMW-22D	55-65	ND
OU-3		
BBMW-09D	62-72	ND
BBMW-13D	62-72	ND
OU-4		
WCMW-01D	64-74	ND
WCMW-02D	62-72	ND
WCMW-12D	67-72	ND
WCMW-13D	65-70	ND
WCMW-14D	67-72	ND

Q3 2022

Q2 2022 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (ft bgs)	Total PAH (µg/L)
OU-1 and OU-2		
BBMW-05D	64-74	1078.2
OU2MW-02I2	50-55	ND
OU2MW-02D	65-70	ND
OU2MW-19D	65-70	7
OU2MW-27D	65-70	ND
OU2MW-30D	50-55	ND
OU2MW-30D2	60-65	0.92
OU2MW-39D	70-75	ND
OU2MW-42D	60-65	159.7
OU2MW-43D	65-70	194.8
OU2MW-47D	60-65	ND
OU2MW-50D	65-70	ND
OZMW-16D	55-65	ND
OZMW-17D	53-63	21.5
OZMW-18D	55-65	29.5
OZMW-24D	55-65	3630.5

LEGEND:

- BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- µg/L — MICROGRAMS PER LITER
- PAH — POLYCYCLIC AROMATIC HYDROCARBONS
- TOTAL PAH ≧100 µg/L
- TOTAL PAH ≧1,000 µg/L
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

DEEP GROUNDWATER
TOTAL PAH
ISO-CONCENTRATION MAPS
(BELOW 50 FEET BGS)

Project 1905774 | March 2023 | Fig. 8

\\Gtb-pzcc-1\ I:\Project\National Grid\Bay Shore\Groundwater-Quarterly Monitoring\2022\Figures\Q3_2022\1905774_OMMQ322_ISOC.dwg - 3/22/2023

Q1 2009

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-01I	32-42	47
BBMW-02I	30-40	ND
BBMW-03I	30-40	ND
BBMW-07I	30-40	ND
BBMW-15I	23-28	146
BBMW-15I2	35-45	ND
BBMW-16I	35-45	ND
BBMW-20I	35-45	8
BBMW-22I	30-40	43
BBMW-23I	33-43	ND
BBMW-24I	32-42	10
BBMW-25I	25-35	469
GM-05I	35.05-48.05	ND
GMP-01	25-30	762
GMP-02	28-23	ND
GMP-04	15.5-20.5	ND
MW-03D	35-45	ND
MW-05D	35.5-45.5	26
MW-09I	30-40	ND
OU2MW-01I	35-40	2
OU2MW-01S	20-25	69
OU2MW-02I	35-40	370
OU2MW-02S	20-25	5
OU2MW-03I	35-40	366
OU2MW-03S	20-25	30
OU2MW-04I	35-40	97
OU2MW-04S	20-25	841
OU2MW-05	25-35	466
OU2MW-06	15-25	ND
OU2MW-07	15-25	ND
OU2MW-08I	35-40	46
OU2MW-08S	20-25	1,078
OU2MW-09	20-30	ND
OU2MW-10D	35-40	78
OU2MW-10I	20-25	76
OU2MW-11D	40-45	8
OU2MW-11I	20-25	170
OU2MW-11I2	30-35	98

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
OU2MW-12D	40-45	ND
OU2MW-12I	20-25	107
OU2MW-12I2	30-35	53
OU2MW-13D	35-40	34
OU2MW-13I	20-25	13
OU2MW-14I	20-25	ND
OU2MW-14I2	45-50	ND
OU2MW-15D	40-45	ND
OU2MW-15I	20-25	ND
OU2MW-15I2	30-35	ND
OU2MW-16D	35-40	ND
OU2MW-47I2	40-45	ND
OZMW-16I	15-20	ND
OZMW-16I2	25-30	ND
OZMW-17I	13-23	80
OZMW-17I2	35-40	ND
OU2MW-18I	13-23	28,040
OU2MW-18I2	35-45	ND
OU2MW-19I	13-23	82
OU2MW-19I2	35-45	103
OU2MW-20I	13-23	819
OU2MW-20I2	35-45	ND
OU2MW-21I	13-23	4,930
OU2MW-21I2	35-45	479
OU2MW-22I	25-30	125
OU2MW-22I2	46-51	ND
OU2MW-23I	25-30	157
OU2MW-23I2	45-50	ND
OU2MW-24I	25-30	2,153
OU2MW-24I2	45-50	ND
OU2MW-25I	25-30	276
OU2MW-25I2	45-50	ND
OU2MW-26I	13-23	287
OU2MW-26I2	35-45	1,559
OU2MW-28I	28-33	93
OU2MW-28I2	40-45	1
OU2MW-29D	45-50	359
OU2MW-29I	18-23	1,122
OU2MW-29I2	30-35	87
OU2MW-29D	45-50	359
OU2MW-30I	25-30	208
OU2MW-30I2	30-35	43
OU2MW-30I3	45-50	254
OU2MW-31I	18-23	779
OU2MW-31I2	30-35	1
OU2MW-32D	40-45	25
OU2MW-32I	20-25	3,698
OU2MW-32I2	30-35	71
OU2MW-33I	20-25	3,159
OU2MW-33I2	30-35	77
OU2MW-34I	25-30	2,348
OU2MW-34I2	45-50	ND
OU2MW-35I	25-30	9
OU2MW-35I2	45-50	ND
OU2MW-36I	25-30	55
OU2MW-36I2	45-50	ND
OU2MW-37I	25-30	373
OU2MW-37I2	45-50	ND
OU2MW-38I	25-30	122

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
OU2MW-38I2	46-51	ND
OU2MW-39I	25-30	ND
OU2MW-39I2	45-50	ND
OU2MW-40I	18-23	270
OU2MW-41I	18-23	1,433
OU2MW-45I	20-25	10
OU2MW-45I2	40-45	ND
OU2MW-46I	20-25	1,991
OU2MW-46I2	40-45	375
OU2MW-47I	20-25	2,714
OU2MW-47I2	40-45	159
OZMW-16I	20-30	441
OZMW-16I2	35-40	12
OZMW-17I	20-30	74
OZMW-17I2	35-45	ND
OZMW-18I	20-30	178
OZMW-18I2	35-45	129
OZMW-22I	20-30	607
OZMW-22I2	35-45	2
OU-3		
BBMW-09I	20-30	ND
BBMW-28I	10-20	ND
BBMW-30D	30-35	ND
BBMW-30I	14-19	ND
BBMW-31D	30-35	3
BBMW-31I	14-19	3
BBMW-32D	30-35	ND
BBMW-32I	14-19	ND
MW-02IR	22.5-23.5	ND
MW-16I	14-19	ND
MW-26D	14-19	ND
MW-29D	14-19	ND
MW-34D	27.5-28.5	ND
MW-34I	18.5-19.5	ND
MW-64	19-24	ND
MW-65	11-16	ND
MW-66D	24-29	ND
MW-BS-02D	24.5-25.5	ND
MW-BS-02I	14.5-15.5	ND
OU-4		
WCMW-01I	35-45	ND
WCMW-02I	34.5 - 44.5	ND
WCMW-03I	19.4 - 24.4	ND
WCMW-03I2	28.55 - 33.55	ND
WCMW-04I	19.4-24.4	ND
WCMW-04I2	29.85 - 34.85	ND
WCMW-05I	19.61 - 24.61	ND
WCMW-05I2	29.46 - 34.46	ND
WCMW-06I	19.55 - 24.55	ND
WCMW-06I2	29.83 - 34.83	ND
WCMW-10S	15-20	ND
WCMW-10D	40-50	ND
WCMW-12I	25-30	ND
WCMW-13I	25-30	ND
WCMW-14I	20-25	ND
WCMW-14I2	30-35	ND
WCMW-16I	20-25	ND
WCMW-16I2	30-35	ND

Q4 2022

Q4 2022 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (ft bgs)	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-20I	35-45	ND
BBMW-22I	30-40	630.7
BBMW-34I	25-30	435.4
BBMW-34I2*	40-45	34
BBMW-38I*	25-30	4
BBMW-38I2*	35-45	3
BBMW-41I	25-30	ND
MW-05D	35.5-45.5	26.1
OU2MW-02S	20-25	310
OU2MW-02I	35-40	75
OU2MW-12I	20-25	ND
OU2MW-12I2	30-35	ND
OU2MW-12D	40-45	ND
OU2MW-19I	13-23	ND
OU2MW-19I2	35-45	ND
OU2MW-30I	25-30	ND
OU2MW-30I2	30-35	ND
OU2MW-30I3	45-50	ND
OU2MW-39I	25-30	ND
OU2MW-39I2	45-50	ND
OU2MW-47I	20-25	ND
OU2MW-47I2	40-45	ND
OU2MW-50I	25-30	ND
OU2MW-50I2	45-50	ND
OU2MW-57I	20-30	ND
OU2MW-57I2	35-45	ND
OZMW-16I	20-30	ND
OZMW-16I2	35-45	ND
OZMW-17I	20-30	ND
OZMW-17I2	35-45	ND
OZMW-18I	20-30	ND
OZMW-18I2	35-45	ND

Q4 2022 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (ft bgs)	Total BTEX (µg/L)
OU-1 and OU-2		
OZMW-19I	20-30	49.37
OZMW-19I2	35-45	139.58
OZMW-21I*	20-30	350
OZMW-21I2	35-45	77
OZMW-23I	20-30	ND
OZMW-23I2	35-45	ND
OZMW-24I	20-30	ND
OZMW-24I2	35-45	148.54
OZMW-25I	20-30	353.7
OZMW-25I2	35-45	1.45
OZMW-26I2	35-45	ND
OU-3		
IP-20B	24-25	0.43
MW-64	19-24	97.77
MW-65	11-16	0.66
OU3MW-07I	15-20	ND
OU3MW-07I2	20-25	ND
OU3MW-07I3	25-30	5.3
OU3MW-07I4	35-40	ND
OU3MW-09I	25-30	146.3
OU3MW-10I	25-30	25.31
OU3MW-19I	20-25	ND
OU3MW-19I2	30-35	ND
OU3MW-20I	20-25	ND
OU3MW-20I2	30-35	ND
OU3MW-23I/IP-17B	10-15	ND
OU3MW-24I2/IP-19B	25-30	57.92
OU-4		
WCMW-05I	19.61-24.61	ND
WCMW-30I	20-25	ND

NOTE:

* INDICATES WELL NOT SAMPLED IN Q4 2022 DUE TO MEASURABLE LEVELS OF DNAPL. THE AVERAGE CONCENTRATIONS FROM THE FOUR MOST RECENT SAMPLING EVENTS WERE USED TO GENERATE CONTOURS.

0 400 800

SCALE, FEET

LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- ⊕BBMW-38I — WELL NOT SAMPLED IN Q4 2022 DUE TO MEASURABLE LEVELS OF DNAPL
- µg/L — MICROGRAMS PER LITER
- BTEX ≧100 µg/L — BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)

NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

INTERMEDIATE GROUNDWATER TOTAL BTEX ISO-CONCENTRATION MAPS (10-50 FEET BGS)

Project 1905774 | June 2023 | Fig. 5

\\geiconsulta B:\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2022\Figures\Q4_2022\1905774_OMMQ422_ISOC.dwg - 6/5/2023

Q1 2009

Q1 2009 Groundwater Monitoring Data			Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)	Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2			**OU-3**		
BBMW-01S	5-15	284	BBMW-09S	5-15	ND
BBMW-02S	5-15	ND	BBMW-28S	2-12	ND
BBMW-03S	3-13	ND	BBMW-29	2-9	ND
BBMW-07S	5-15	ND	BBMW-30S	2-10	ND
BBMW-15S	5-15	ND	BBMW-31S	2-10	2
BBMW-16S	5-15	ND	BBMW-32S	2-10	ND
BBMW-22S	5-10	10,730	BBMW-33	7-12	ND
BBMW-23S	5-15	11,860	BW-UST-10	4.65-9.95	ND
BBMW-24S	4-14	ND	BW-UST-11	4.4-9.4	ND
BBMW-25S	4-14	ND	BW-UST-28	5-10	ND
GM-05S	5.1-20.1	8	BW-UST-29	5-10	ND
MW-03S	3-13	34	IO-10	6-16	ND
MW-05S	4-14	9,600	MW-02SR	2-12	812
OU2IW-01	3-8	ND	MW-03	4.94-14.94	6
OU2MW-01WT	3-8	ND	MW-04	5.1-15.1	ND
OU2MW-04WT	3-8	ND	MW-09S	4-14	ND
OU2MW-06S	3-8	ND	MW-11W	2-10	ND
OU2MW-07S	3-8	ND	MW-12W	2-12	2
OU2MW-08WT	3-8	ND	MW-16SR	2-12	3,275
OU2MW-10S	3-7	ND	MW-29S	2-10	ND
OU2MW-11S	3-8	ND	MW-30WR	2-10	ND
OU2MW-12S	3-7	ND	MW-32WR	2-9	232
OU2MW-13S	3-8	ND	MW-34S	2-10	3,636
OU2MW-14S	3-8	ND	MW-45W	2-10	4,210
OU2MW-15S	3-8	ND	MW-46WR	2-10	525
OU2MW-16S	3-8	ND	MW-66S	1.5-11.5	ND
OU2MW-17S	5-10	ND	MW-70/70S	2-12	1,124
OU2MW-20S	4-9	ND	MW-73	2-12	7,100
OU2MW-21S	5-15	870	MW-75	2-12	569
OU2MW-22S	5-15	2	MW-76	2-12	ND
OU2MW-23S	5-15	ND	MW-78	5-20	2,590
OU2MW-24S	5-15	23	MW-79	5-20	10,100
OU2MW-25S	5-15	ND	MW-80	5-20	55,200
OU2MW-26S	6-11	ND	MW-81	5-20	257
OU2MW-28S	5-15	ND	MW-82	5-20	6,151
OU2MW-30S	5-15	3	MW-83	5-20	ND
OU2MW-32S	5-15	ND	MW-BS-02S	5-15	98
OU2MW-33S	5-15	ND	PDMW-01	5-20	ND
OU2MW-34S	5-15	ND	PDMW-02	5-20	59,210
OU2MW-35S	5-15	9	PDMW-03	5-15	14,511
OU2MW-36S	5-15	ND	SV-02	2-12	26
OU2MW-37S	5-15	ND	SV-03	2-12	29
OU2MW-38S	5-15	23	**OU-4**		
OU2MW-39S	5-15	ND	WCMW-01S	2-12	3
OU2MW-40S	5-15	ND	WCMW-02S	3-13	ND
OU2MW-41S	5-15	8	WCMW-03S	4.93-9.83	33
OU2MW-45S	5-15	60	WCMW-04S	1.6-11.6	21
OU2MW-46S	5-15	422	WCMW-05S	1.4-11.4	ND
OU2MW-47S	5-15	146	WCMW-06S	2-12	ND
OZMW-16S	5-15	ND	WCMW-09S	5-15	ND
OZMW-17S	5-15	141	WCMW-12S	3-13	ND
OZMW-18S	5-15	244	WCMW-13S	3-13	ND
OZMW-22S	5-15	11,947	WCMW-14S	2-12	ND
			WCMW-16S	2-12	ND

Q4 2022

Q4 2022 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (ft bgs)	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-22S	5-10	1657.7
BBMW-23S	5-15	150.23
BBMW-34S	5-15	74.47
BBMW-37S	5-10	4.32
BBMW-38S	5-15	98.7
BBMW-39S	5-15	89
BBMW-41S	6-16	3408.9
BBMW-42S	5-10	1.83
MW-05S	4-14	435.96
OU1PZ-101	4-14	523.76
OU1PZ-102	4-14	17.04
OU1PZ-103	4-14	254.9
OU1PZ-104	4-14	7.23
OU1PZ-105	4-14	9.05
OU2MW-12S	3-7	ND
OU2MW-30S	5-15	ND
OU2MW-39S	5-15	ND
OU2MW-47S	5-15	ND
OU2MW-50S	5-15	ND
OU2MW-57S	5-15	4.2
OZMW-16S	5-15	ND
OZMW-17S	5-15	ND
OZMW-18S	5-15	ND
OZMW-19S	5-15	390.9
OZMW-23S	5-15	ND
OZMW-24S	5-15	0.32
OZMW-25S	5-15	244.3
OU-3		
OU3MW-07S	3-13	ND
OU3MW-08S	2-12	1395
OU3MW-13S	2-12	ND
OU3MW-16S	2-12	16.7
OU3MW-19S	2-12	0.58
OU3MW-20S	2-12	ND

LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- µg/L — MICROGRAMS PER LITER
- BTEX — BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- BTEX ≧100 µg/L
- BTEX ≧1,000 µg/L
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)

NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

WATER TABLE GROUNDWATER
TOTAL BTEX
ISO-CONCENTRATION MAPS
(0-10 FEET BGS)

Project 1905774 | June 2023 | Fig. 3

\\GTB-PHERIOT B:\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2022\Figures\Q4_2022\1905774_OMMQ422_ISOC.dwg - 6/5/2023

Q1 2009

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
BBMW-01S	5-15	359
BBMW-02S	5-15	ND
BBMW-03S	3-13	ND
BBMW-07S	5-15	ND
BBMW-15S	5-15	ND
BBMW-16S	5-15	ND
BBMW-22S	5-10	1,664
BBMW-23S	5-15	1,673
BBMW-24S	4-14	ND
BBMW-25S	4-14	ND
MW-03S	3-13	ND
GM-05S	5.1-20.1	5
MW-05S	4-14	1,052
MW-09S	4-14	ND
OU2IW-01	3-8	ND
OU2MW-01WT	3-8	ND
OU2MW-04WT	3-8	ND
OU2MW-06S	3-8	ND
OU2MW-07S	3-8	ND
OU2MW-08WT	3-8	ND
OU2MW-10S	3-7	ND
OU2MW-11S	3-8	ND
OU2MW-12S	3-7	ND
OU2MW-13S	3-8	ND
OU2MW-14S	3-8	ND
OU2MW-15S	3-8	ND
OU2MW-16S	3-8	ND
OU2MW-17S	5-10	ND
OU2MW-20S	4-9	ND
OU2MW-21S	5-15	341
OU2MW-22S	5-15	ND
OU2MW-23S	5-15	ND
OU2MW-24S	5-15	ND
OU2MW-25S	5-15	ND
OU2MW-26S	6-11	ND
OU2MW-28S	5-15	ND
OU2MW-30S	5-15	10
OU2MW-32S	5-15	63
OU2MW-33S	5-15	ND
OU2MW-34S	5-15	ND
OU2MW-35S	5-15	ND
OU2MW-36S	5-15	ND
OU2MW-37S	5-15	ND
OU2MW-38S	5-15	ND
OU2MW-39S	5-15	ND
OU2MW-40S	5-15	9
OU2MW-41S	5-15	31
OU2MW-45S	5-15	ND
OU2MW-46S	5-15	ND
OU2MW-47S	5-15	ND
OZMW-16S	5-15	ND
OZMW-17S	5-15	ND
OZMW-18S	5-15	ND
OZMW-22S	5-15	1,850

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-3		
BBMW-09S	5-15	ND
BBMW-28S	2-12	ND
BBMW-29	2-9	ND
BBMW-30S	2-10	ND
BBMW-31S	2-10	ND
BBMW-32S	2-10	ND
BBMW-33	7-12	ND
BW-UST-10	4.65-9.95	ND
BW-UST-11	4.4-9.4	ND
BW-UST-28	5-10	ND
BW-UST-29	5-10	ND
IO-10	6-16	ND
MW-02SR	2-12	ND
MW-03	4.94-14.94	ND
MW-04	5.1-15.1	ND
MW-11W	2-10	ND
MW-12W	2-12	ND
MW-16SR	2-12	28
MW-29S	2-10	ND
MW-30WR	2-10	ND
MW-32WR	2-9	3
MW-34S	2-10	83
MW-45W	2-10	10
MW-46WR	2-10	39
MW-66S	1.5-11.5	ND
MW-70/70S	2-12	14
MW-73	2-12	97
MW-75	2-12	1
MW-76	2-12	ND
MW-78	5-20	ND
MW-79	5-20	13
MW-80	5-20	522
MW-81	5-20	19
MW-82	5-20	ND
MW-83	5-20	ND
MW-BS-02S	5-15	3
PDMW-01	5-20	ND
PDMW-02	5-20	2,797
PDMW-03	5-15	2,100
SV-02	2-12	ND
SV-03	2-12	ND
OU-4		
WCMW-01S	2-12	ND
WCMW-02S	3-13	ND
WCMW-03S	4.93-9.83	243
WCMW-04S	1.6-11.6	43
WCMW-05S	1.4-11.4	5
WCMW-06S	2-12	ND
WCMW-09S	5-15	ND
WCMW-11S	5-15	624
WCMW-12S	3-13	4
WCMW-13S	3-13	ND
WCMW-14S	2-12	ND
WCMW-16S	2-12	24
WCMW-17S	2-12	245

Q4 2022

Q4 2022 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (ft bgs)	Total PAH (µg/L)
OU-1 and OU-2		
BBMW-22S	5-10	1880.97
BBMW-23S	5-15	1.8
BBMW-34S	5-15	145
BBMW-37S	5-10	17.2
BBMW-38S	5-15	50.37
BBMW-39S	5-15	5.3
BBMW-41S	6-16	1581.6
BBMW-42S	5-10	81.28
MW-05S	4-14	151.5
OU1PZ-101	4-14	258.5
OU1PZ-102	4-14	6.97
OU1PZ-103	4-14	218.85
OU1PZ-104	4-14	2.8
OU1PZ-105	4-14	53.1
OU2MW-12S	3-7	ND
OU2MW-30S	5-15	ND
OU2MW-39S	5-15	ND
OU2MW-47S	5-15	ND
OU2MW-50S	5-15	ND
OU2MW-57S	5-15	ND
OZMW-16S	5-15	ND
OZMW-17S	5-15	ND
OZMW-18S	5-15	ND
OZMW-19S	5-15	37.2
OZMW-23S	5-15	ND
OZMW-24S	5-15	7
OZMW-25S	5-15	92.5
OU-3		
OU3MW-07S	3-13	ND
OU3MW-08S	2-12	ND
OU3MW-13S	2-12	ND
OU3MW-16S	2-12	ND
OU3MW-19S	2-12	ND
OU3MW-20S	2-12	ND

LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- µg/L — MICROGRAMS PER LITER
- PAH — POLYCYCLIC AROMATIC HYDROCARBONS
- TOTAL PAH ≧100 µg/L
- TOTAL PAH ≧1,000 µg/L
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)

NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

WATER TABLE GROUNDWATER
TOTAL PAH
ISO-CONCENTRATION MAPS
(0-10 FEET BGS)

Project 1905774 | June 2023 | Fig. 4

\\GTB-PHERIOT B:\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2022\Figures\Q4_2022\1905774_OMMQ422_ISOC.dwg - 6/5/2023

Q1 2009

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-01I	32-42	47
BBMW-02I	30-40	ND
BBMW-03I	30-40	ND
BBMW-07I	30-40	ND
BBMW-15I	23-28	146
BBMW-15I2	35-45	ND
BBMW-16I	35-45	ND
BBMW-20I	35-45	8
BBMW-22I	30-40	43
BBMW-23I	33-43	ND
BBMW-24I	32-42	10
BBMW-25I	25-35	469
GM-05I	35.05-48.05	ND
GMP-01	25-30	762
GMP-02	28-23	ND
GMP-04	15.5-20.5	ND
MW-03D	35-45	ND
MW-05D	35.5-45.5	26
MW-09I	30-40	ND
OU2MW-01I	35-40	2
OU2MW-01S	20-25	69
OU2MW-02I	35-40	370
OU2MW-02S	20-25	5
OU2MW-03I	35-40	366
OU2MW-03S	20-25	30
OU2MW-04I	35-40	97
OU2MW-04S	20-25	841
OU2MW-05	25-35	466
OU2MW-06	15-25	ND
OU2MW-07	15-25	ND
OU2MW-08I	35-40	46
OU2MW-08S	20-25	1,078
OU2MW-09	20-30	ND
OU2MW-10D	35-40	78
OU2MW-10I	20-25	76
OU2MW-11D	40-45	8
OU2MW-11I	20-25	170
OU2MW-11I2	30-35	98

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
OU2MW-12D	40-45	ND
OU2MW-12I	20-25	107
OU2MW-12I2	30-35	53
OU2MW-13D	35-40	34
OU2MW-13I	20-25	13
OU2MW-14I	20-25	ND
OU2MW-14I2	45-50	ND
OU2MW-15D	40-45	ND
OU2MW-15I	20-25	ND
OU2MW-15I2	30-35	ND
OU2MW-16D	35-40	ND
OU2MW-47I2	40-45	ND
OZMW-16I	15-20	ND
OZMW-16I2	25-30	ND
OZMW-17I	13-23	80
OZMW-17I2	35-40	ND
OU2MW-18I	13-23	28,040
OU2MW-18I2	35-45	ND
OU2MW-19I	13-23	82
OU2MW-19I2	35-45	103
OU2MW-20I	13-23	819
OU2MW-20I2	35-45	ND
OU2MW-21I	13-23	4,930
OU2MW-21I2	35-45	479
OU2MW-22I	25-30	125
OU2MW-22I2	46-51	ND
OU2MW-23I	25-30	157
OU2MW-23I2	45-50	ND
OU2MW-24I	25-30	2,153
OU2MW-24I2	45-50	ND
OU2MW-25I	25-30	276
OU2MW-25I2	45-50	ND
OU2MW-26I	13-23	287
OU2MW-26I2	35-45	1,559
OU2MW-28I	28-33	93
OU2MW-28I2	40-45	1
OU2MW-29D	45-50	359
OU2MW-29I	18-23	1,122
OU2MW-29I2	30-35	87
OU2MW-29D	45-50	359
OU2MW-30I	25-30	208
OU2MW-30I2	30-35	43
OU2MW-30I3	45-50	254
OU2MW-31I	18-23	779
OU2MW-31I2	30-35	1
OU2MW-32D	40-45	25
OU2MW-32I	20-25	3,698
OU2MW-32I2	30-35	71
OU2MW-33I	20-25	3,159
OU2MW-33I2	30-35	77
OU2MW-34I	25-30	2,348
OU2MW-34I2	45-50	ND
OU2MW-35I	25-30	9
OU2MW-35I2	45-50	ND
OU2MW-36I	25-30	55
OU2MW-36I2	45-50	ND
OU2MW-37I	25-30	373
OU2MW-37I2	45-50	ND
OU2MW-38I	25-30	122

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
OU2MW-38I2	46-51	ND
OU2MW-39I	25-30	ND
OU2MW-39I2	45-50	ND
OU2MW-40I	18-23	270
OU2MW-41I	18-23	1,433
OU2MW-45I	20-25	10
OU2MW-45I2	40-45	ND
OU2MW-46I	20-25	1,991
OU2MW-46I2	40-45	375
OU2MW-47I	20-25	2,714
OU2MW-47I2	40-45	159
OZMW-16I	20-30	441
OZMW-16I2	35-40	12
OZMW-17I	20-30	74
OZMW-17I2	35-45	ND
OZMW-18I	20-30	178
OZMW-18I2	35-45	129
OZMW-22I	20-30	607
OZMW-22I2	35-45	2
OU-3		
BBMW-09I	20-30	ND
BBMW-28I	10-20	ND
BBMW-30D	30-35	ND
BBMW-30I	14-19	ND
BBMW-31D	30-35	3
BBMW-31I	14-19	3
BBMW-32D	30-35	ND
BBMW-32I	14-19	ND
MW-02IR	22.5-23.5	ND
MW-16I	14-19	ND
MW-26D	14-19	ND
MW-29D	14-19	ND
MW-34D	27.5-28.5	ND
MW-34I	18.5-19.5	ND
MW-64	19-24	ND
MW-65	11-16	ND
MW-66D	24-29	ND
MW-BS-02D	24.5-25.5	ND
MW-BS-02I	14.5-15.5	ND
OU-4		
WCMW-01I	35-45	ND
WCMW-02I	34.5 - 44.5	ND
WCMW-03I	19.4 - 24.4	ND
WCMW-03I2	28.55 - 33.55	ND
WCMW-04I	19.4-24.4	ND
WCMW-04I2	29.85 - 34.85	ND
WCMW-05I	19.61 - 24.61	ND
WCMW-05I2	29.46 - 34.46	ND
WCMW-06I	19.55 - 24.55	ND
WCMW-06I2	29.83 - 34.83	ND
WCMW-10S	15-20	ND
WCMW-10D	40-50	ND
WCMW-12I	25-30	ND
WCMW-13I	25-30	ND
WCMW-14I	20-25	ND
WCMW-14I2	30-35	ND
WCMW-16I	20-25	ND
WCMW-16I2	30-35	ND

Q4 2022

Q4 2022 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (ft bgs)	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-20I	35-45	ND
BBMW-22I	30-40	630.7
BBMW-34I	25-30	435.4
BBMW-34I2*	40-45	34
BBMW-38I*	25-30	4
BBMW-38I2*	35-45	3
BBMW-41I	25-30	ND
MW-05D	35.5-45.5	26.1
OU2MW-02S	20-25	310
OU2MW-02I	35-40	75
OU2MW-12I	20-25	ND
OU2MW-12I2	30-35	ND
OU2MW-12D	40-45	ND
OU2MW-19I	13-23	ND
OU2MW-19I2	35-45	ND
OU2MW-30I	25-30	ND
OU2MW-30I2	30-35	ND
OU2MW-30I3	45-50	ND
OU2MW-39I	25-30	ND
OU2MW-39I2	45-50	ND
OU2MW-47I	20-25	ND
OU2MW-47I2	40-45	ND
OU2MW-50I	25-30	ND
OU2MW-50I2	45-50	ND
OU2MW-57I	20-30	ND
OU2MW-57I2	35-45	ND
OZMW-16I	20-30	ND
OZMW-16I2	35-45	ND
OZMW-17I	20-30	ND
OZMW-17I2	35-45	ND
OZMW-18I	20-30	ND
OZMW-18I2	35-45	ND

Q4 2022 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (ft bgs)	Total BTEX (µg/L)
OU-1 and OU-2		
OZMW-19I	20-30	49.37
OZMW-19I2	35-45	139.58
OZMW-21I*	20-30	350
OZMW-21I2	35-45	77
OZMW-23I	20-30	ND
OZMW-23I2	35-45	ND
OZMW-24I	20-30	ND
OZMW-24I2	35-45	148.54
OZMW-25I	20-30	353.7
OZMW-25I2	35-45	1.45
OZMW-26I2	35-45	ND
OU-3		
IP-20B	24-25	0.43
MW-64	19-24	97.77
MW-65	11-16	0.66
OU3MW-07I	15-20	ND
OU3MW-07I2	20-25	ND
OU3MW-07I3	25-30	5.3
OU3MW-07I4	35-40	ND
OU3MW-09I	25-30	146.3
OU3MW-10I	25-30	25.31
OU3MW-19I	20-25	ND
OU3MW-19I2	30-35	ND
OU3MW-20I	20-25	ND
OU3MW-20I2	30-35	ND
OU3MW-23I/IP-17B	10-15	ND
OU3MW-24I2/IP-19B	25-30	57.92
OU-4		
WCMW-05I	19.61-24.61	ND
WCMW-30I	20-25	ND

NOTE:

* INDICATES WELL NOT SAMPLED IN Q4 2022 DUE TO MEASURABLE LEVELS OF DNAPL. THE AVERAGE CONCENTRATIONS FROM THE FOUR MOST RECENT SAMPLING EVENTS WERE USED TO GENERATE CONTOURS.

0 400 800

SCALE, FEET

LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- ⊕BBMW-38I — WELL NOT SAMPLED IN Q4 2022 DUE TO MEASURABLE LEVELS OF DNAPL
- µg/L — MICROGRAMS PER LITER
- BTEX ≧100 µg/L — BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)

NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

INTERMEDIATE GROUNDWATER TOTAL BTEX ISO-CONCENTRATION MAPS (10-50 FEET BGS)

Project 1905774 | June 2023 | Fig. 5

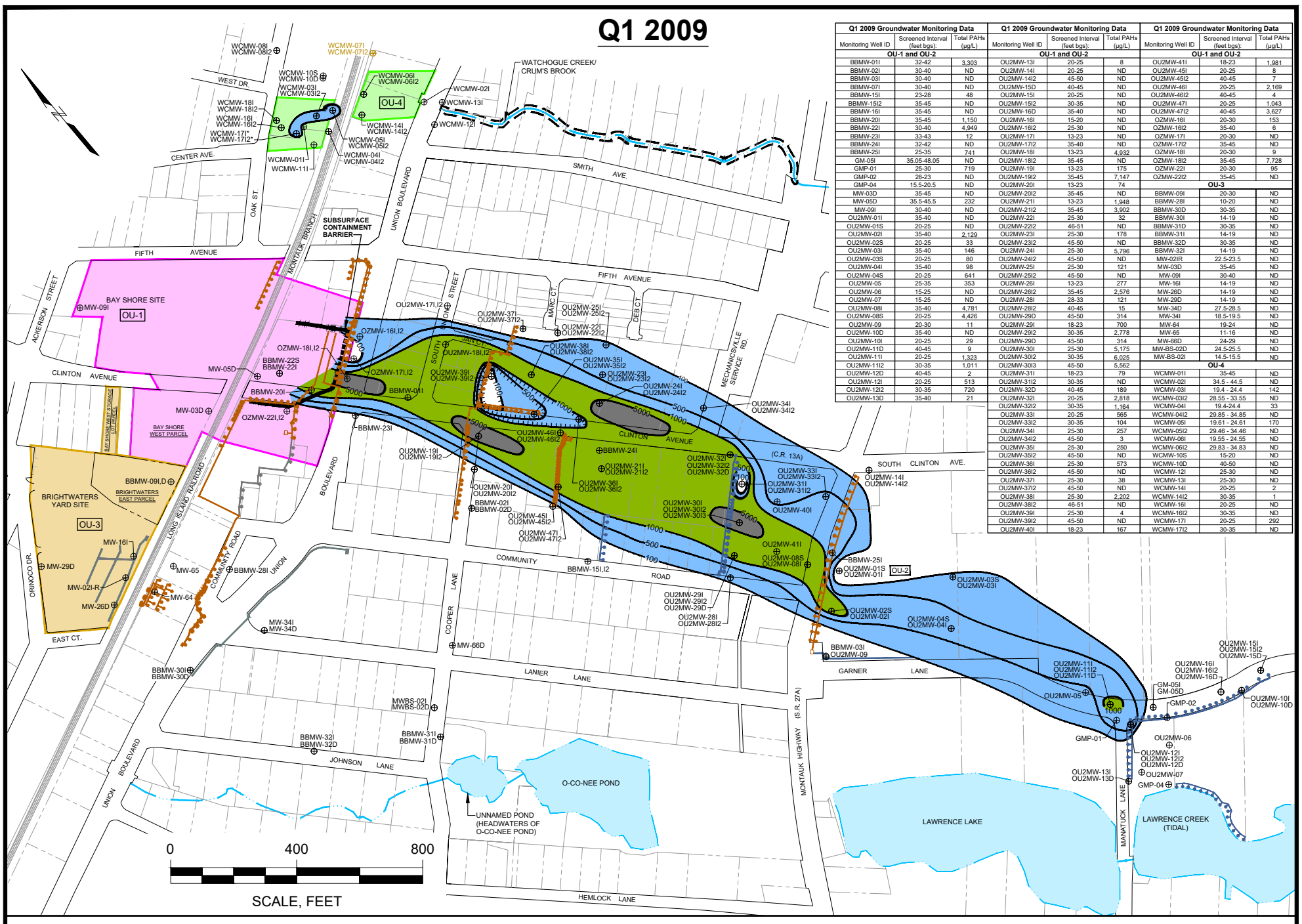
\\geiconsulta B:\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2022\Figures\Q4_2022\1905774_OMMQ422_ISOC.dwg - 6/5/2023

Q1 2009

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
BBMW-01I	32-42	3,303
BBMW-02I	30-40	ND
BBMW-03I	30-40	ND
BBMW-07I	30-40	ND
BBMW-15I	23-28	48
BBMW-15I2	35-45	ND
BBMW-16I	35-45	ND
BBMW-20I	35-45	1,150
BBMW-22I	30-40	4,949
BBMW-23I	33-43	12
BBMW-24I	32-42	ND
BBMW-25I	25-35	741
GM-05I	35.05-48.05	ND
GMP-01	25-30	719
GMP-02	28-23	ND
GMP-04	15.5-20.5	ND
MW-03D	30-45	ND
MW-05D	35.5-45.5	232
MW-09I	30-40	ND
OU2MW-01I	35-40	ND
OU2MW-01S	20-25	ND
OU2MW-02I	35-40	2,129
OU2MW-02S	20-25	33
OU2MW-03I	35-40	146
OU2MW-03S	20-25	80
OU2MW-04I	35-40	98
OU2MW-04S	20-25	641
OU2MW-05	25-35	353
OU2MW-06	15-25	ND
OU2MW-07	15-25	ND
OU2MW-08I	35-40	4,781
OU2MW-08S	20-25	4,426
OU2MW-09	20-30	11
OU2MW-10D	35-40	ND
OU2MW-10I	20-25	29
OU2MW-11D	40-45	9
OU2MW-11I	20-25	1,323
OU2MW-11I2	30-35	1,011
OU2MW-12D	40-45	2
OU2MW-12I	20-25	513
OU2MW-12I2	30-35	720
OU2MW-13D	35-40	21

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
OU2MW-13I	20-25	8
OU2MW-14I	20-25	ND
OU2MW-14I2	45-50	ND
OU2MW-15D	40-45	ND
OU2MW-15I	20-25	ND
OU2MW-15I2	30-35	ND
OU2MW-16D	35-40	ND
OU2MW-16I	15-20	ND
OU2MW-16I2	25-30	ND
OU2MW-17I	13-23	ND
OU2MW-17I2	35-40	ND
OU2MW-18I	13-23	4,932
OU2MW-18I2	35-45	ND
OU2MW-19I	13-23	175
OU2MW-19I2	35-45	7,147
OU2MW-20I	13-23	74
OU2MW-20I2	35-45	ND
OU2MW-21I	13-23	1,948
OU2MW-21I2	35-45	3,902
OU2MW-22I	25-30	32
OU2MW-22I2	46-51	ND
OU2MW-23I	25-30	178
OU2MW-23I2	45-50	ND
OU2MW-24I	25-30	5,796
OU2MW-24I2	45-50	ND
OU2MW-25I	25-30	121
OU2MW-25I2	45-50	ND
OU2MW-26I	13-23	277
OU2MW-26I2	35-45	2,576
OU2MW-28I	28-33	121
OU2MW-28I2	40-45	15
OU2MW-29D	45-50	314
OU2MW-29I	18-23	700
OU2MW-29I2	30-35	2,778
OU2MW-29D	45-50	314
OU2MW-30I	25-30	5,175
OU2MW-30I2	30-35	6,025
OU2MW-30I3	45-50	5,562
OU2MW-31I	18-23	79
OU2MW-31I2	30-35	ND
OU2MW-32D	40-45	189
OU2MW-32I	20-25	2,818
OU2MW-32I2	30-35	1,164
OU2MW-33I	20-25	565
OU2MW-33I2	30-35	104
OU2MW-34I	25-30	257
OU2MW-34I2	45-50	3
OU2MW-35I	25-30	250
OU2MW-35I2	45-50	ND
OU2MW-36I	25-30	573
OU2MW-36I2	45-50	ND
OU2MW-37I	25-30	38
OU2MW-37I2	45-50	ND
OU2MW-38I	25-30	2,202
OU2MW-38I2	46-51	ND
OU2MW-39I	25-30	4
OU2MW-39I2	45-50	ND
OU2MW-40I	18-23	167

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
OU2MW-41I	18-23	1,981
OU2MW-45I	20-25	8
OU2MW-45I2	40-45	7
OU2MW-46I	20-25	2,169
OU2MW-46I2	40-45	4
OU2MW-47I	20-25	1,043
OU2MW-47I2	40-45	3,627
OZMW-16I	20-30	153
OZMW-16I2	35-40	6
OZMW-17I	20-30	ND
OZMW-17I2	35-45	ND
OZMW-18I	20-30	9
OZMW-18I2	35-45	7,728
OZMW-22I	20-30	95
OZMW-22I2	35-45	ND
OU-3		
BBMW-09I	20-30	ND
BBMW-28I	10-20	ND
BBMW-30D	30-35	ND
BBMW-30I	14-19	ND
BBMW-31D	30-35	ND
BBMW-31I	14-19	ND
BBMW-32D	30-35	ND
BBMW-32I	14-19	ND
MW-02IR	22.5-23.5	ND
MW-03D	35-45	ND
MW-09I	30-40	ND
MW-16I	14-19	ND
MW-26D	14-19	ND
MW-29D	14-19	ND
MW-34D	27.5-28.5	ND
MW-34I	18.5-19.5	ND
MW-64	19-24	ND
MW-65	11-16	ND
MW-66D	24-29	ND
MW-BS-02D	24.5-25.5	ND
MW-BS-02I	14.5-15.5	ND
OU-4		
WCMW-01I	35-45	ND
WCMW-02I	34.5 - 44.5	ND
WCMW-03I	19.4 - 24.4	142
WCMW-03I2	28.55 - 33.55	ND
WCMW-04I	19.4-24.4	33
WCMW-04I2	29.85 - 34.85	ND
WCMW-05I	19.61 - 24.61	170
WCMW-05I2	29.46 - 34.46	ND
WCMW-06I	19.55 - 24.55	ND
WCMW-06I2	29.83 - 34.83	ND
WCMW-10S	15-20	ND
WCMW-10D	40-50	ND
WCMW-12I	25-30	ND
WCMW-13I	25-30	ND
WCMW-14I	20-25	2
WCMW-14I2	30-35	1
WCMW-16I	20-25	ND
WCMW-16I2	30-35	ND
WCMW-17I	20-25	292
WCMW-17I2	30-35	ND



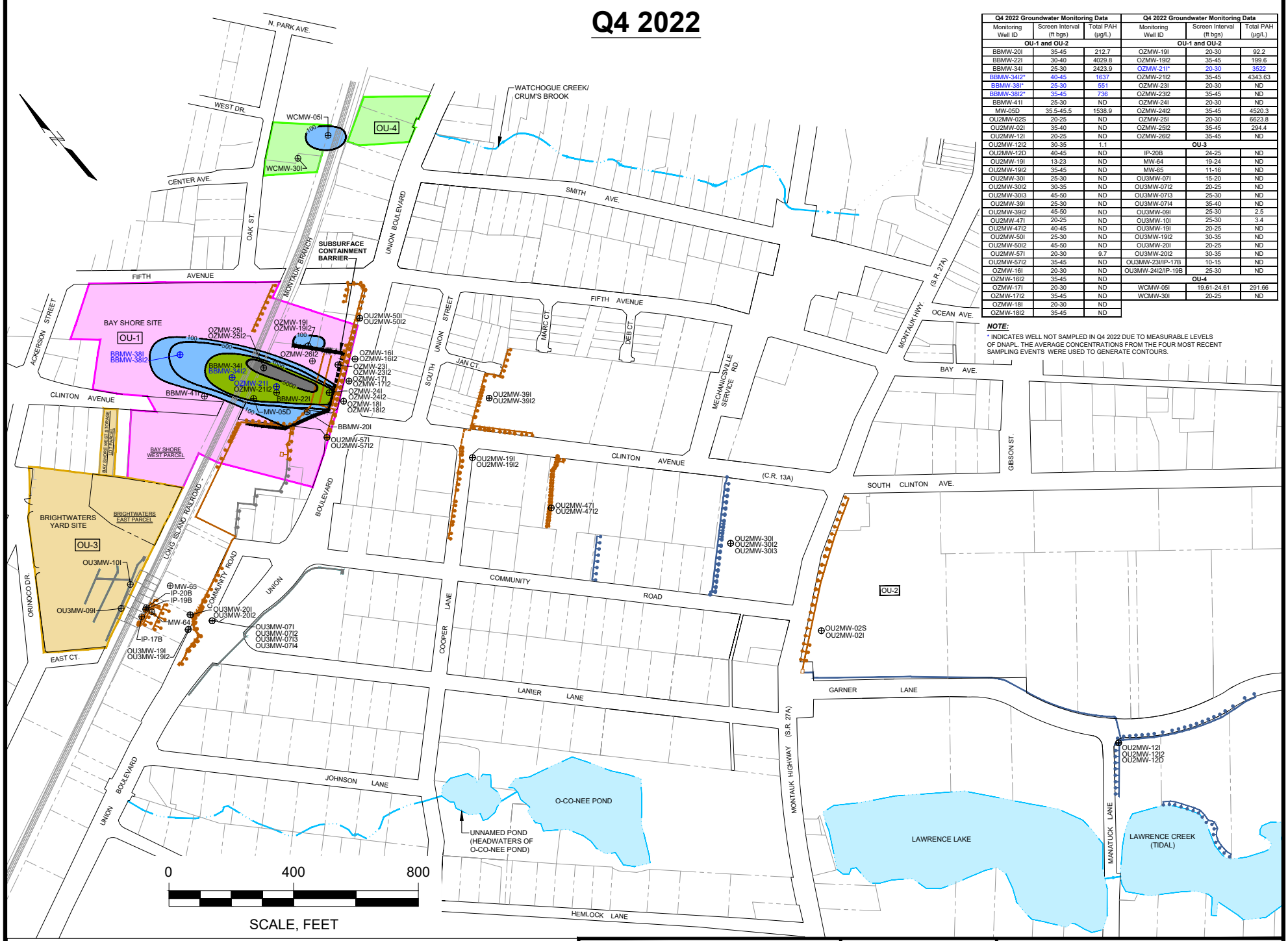
Q4 2022

Q4 2022 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (ft bgs)	Total PAH (µg/L)
OU-1 and OU-2		
BBMW-20I	35-45	212.7
BBMW-22I	30-40	4029.8
BBMW-34I	25-30	2423.9
BBMW-34I2*	40-45	1637
BBMW-38I*	25-30	551
BBMW-38I2*	35-45	736
BBMW-41I	25-30	ND
MW-05D	35.5-45.5	1538.9
OU2MW-02S	20-25	ND
OU2MW-02I	35-40	ND
OU2MW-12I	20-25	ND
OU2MW-12I2	30-35	1.1
OU2MW-12D	40-45	ND
OU2MW-19I	13-23	ND
OU2MW-19I2	35-45	ND
OU2MW-30I	25-30	ND
OU2MW-30I2	30-35	ND
OU2MW-30I3	45-50	ND
OU2MW-39I	25-30	ND
OU2MW-39I2	45-50	ND
OU2MW-47I	20-25	ND
OU2MW-47I2	40-45	ND
OU2MW-50I	25-30	ND
OU2MW-50I2	45-50	ND
OU2MW-57I	20-30	9.7
OU2MW-57I2	35-45	ND
OZMW-16I	20-30	ND
OZMW-16I2	35-45	ND
OZMW-17I	20-30	ND
OZMW-17I2	35-45	ND
OZMW-18I	20-30	ND
OZMW-18I2	35-45	ND

Q4 2022 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (ft bgs)	Total PAH (µg/L)
OU-1 and OU-2		
OZMW-19I	20-30	92.2
OZMW-19I2	35-45	199.6
OZMW-21I*	20-30	3522
OZMW-21I2	35-45	4343.63
OZMW-23I	20-30	ND
OZMW-23I2	35-45	ND
OZMW-24I	20-30	ND
OZMW-24I2	35-45	4520.3
OZMW-25I	20-30	6623.8
OZMW-25I2	35-45	294.4
OZMW-26I2	35-45	ND
OU-3		
IP-20B	24-25	ND
MW-64	19-24	ND
MW-65	11-16	ND
OU3MW-07I	15-20	ND
OU3MW-07I2	20-25	ND
OU3MW-07I3	25-30	ND
OU3MW-07I4	35-40	ND
OU3MW-09I	25-30	2.5
OU3MW-10I	25-30	3.4
OU3MW-19I	20-25	ND
OU3MW-19I2	30-35	ND
OU3MW-20I	20-25	ND
OU3MW-20I2	30-35	ND
OU3MW-23I/IP-17B	10-15	ND
OU3MW-24I2/IP-19B	25-30	ND
OU-4		
WCMW-05I	19.61-24.61	291.66
WCMW-30I	20-25	ND

NOTE:

* INDICATES WELL NOT SAMPLED IN Q4 2022 DUE TO MEASURABLE LEVELS OF DNAPL. THE AVERAGE CONCENTRATIONS FROM THE FOUR MOST RECENT SAMPLING EVENTS WERE USED TO GENERATE CONTOURS.



LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- ⊕BBMW-38I — WELL NOT SAMPLED IN Q4 2022 DUE TO MEASURABLE LEVELS OF DNAPL
- µg/L — MICROGRAMS PER LITER
- TOTAL PAH ≧100 µg/L
- TOTAL PAH ≧1,000 µg/L
- TOTAL PAH ≧5,000 µg/L
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)
- PAH — POLYCYCLIC AROMATIC HYDROCARBONS

NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

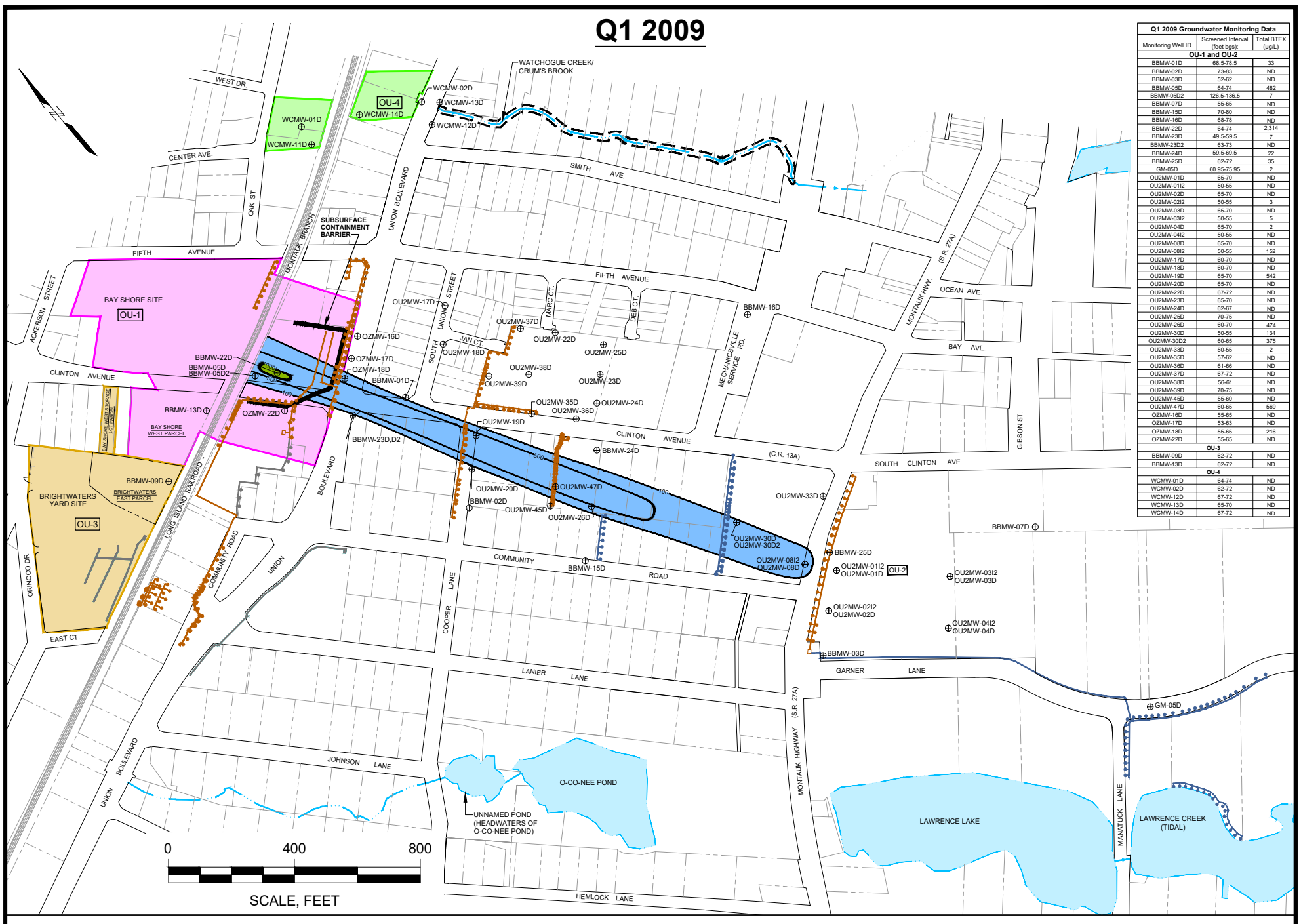
INTERMEDIATE GROUNDWATER
TOTAL PAH
ISO-CONCENTRATION MAPS
(10-50 FEET BGS)

Project 1905774 | June 2023 | Fig. 6

\\GTB-PHERIOT B:\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2022\Figures\Q4_2022\1905774_OMMQ422_ISOC.dwg - 6/5/2023

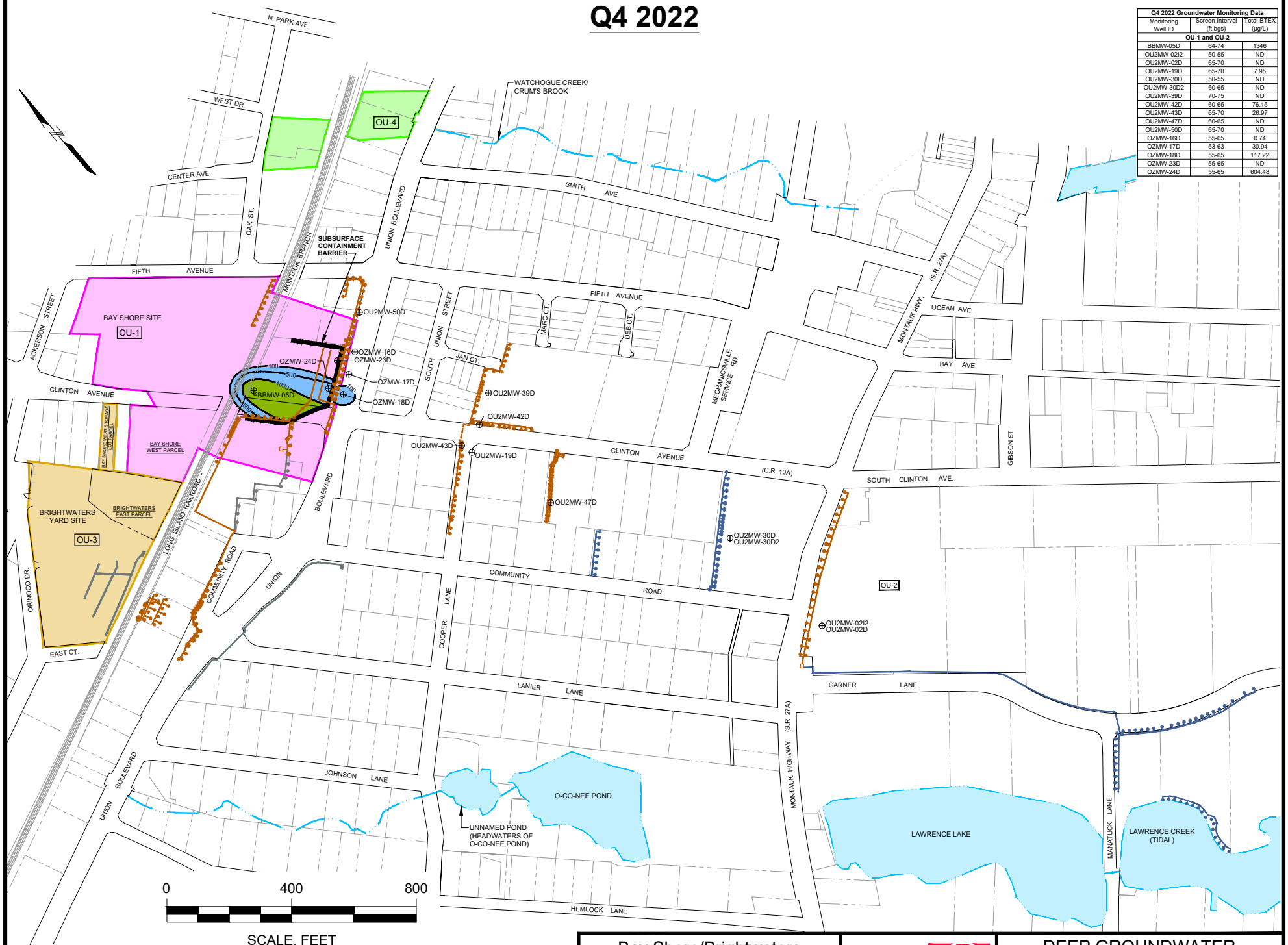
Q1 2009

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-01D	68.5-78.5	33
BBMW-02D	73-83	ND
BBMW-03D	52-62	ND
BBMW-05D	64-74	482
BBMW-05D2	126.5-136.5	7
BBMW-07D	55-65	ND
BBMW-15D	70-80	ND
BBMW-16D	68-78	ND
BBMW-22D	64-74	2,314
BBMW-23D	49.5-59.5	7
BBMW-23D2	63-73	ND
BBMW-24D	59.5-69.5	22
BBMW-25D	62-72	35
GM-05D	60.95-75.95	2
OU2MW-01D	65-70	ND
OU2MW-01I2	50-55	ND
OU2MW-02D	65-70	ND
OU2MW-02I2	50-55	3
OU2MW-03D	65-70	ND
OU2MW-03I2	50-55	5
OU2MW-04D	65-70	2
OU2MW-04I2	50-55	ND
OU2MW-08D	65-70	ND
OU2MW-08I2	50-55	152
OU2MW-17D	60-70	ND
OU2MW-18D	60-70	ND
OU2MW-19D	65-70	542
OU2MW-20D	65-70	ND
OU2MW-22D	67-72	ND
OU2MW-23D	65-70	ND
OU2MW-24D	62-67	ND
OU2MW-25D	70-75	ND
OU2MW-26D	60-70	474
OU2MW-30D	50-55	134
OU2MW-30D2	60-65	375
OU2MW-33D	50-55	2
OU2MW-35D	57-62	ND
OU2MW-36D	61-66	ND
OU2MW-37D	67-72	ND
OU2MW-38D	56-61	ND
OU2MW-39D	70-75	ND
OU2MW-45D	55-60	ND
OU2MW-47D	60-65	569
OZMW-16D	55-65	ND
OZMW-17D	53-63	ND
OZMW-18D	55-65	216
OZMW-22D	55-65	ND
OU-3		
BBMW-09D	62-72	ND
BBMW-13D	62-72	ND
OU-4		
WCMW-01D	64-74	ND
WCMW-02D	62-72	ND
WCMW-12D	67-72	ND
WCMW-13D	65-70	ND
WCMW-14D	67-72	ND



Q4 2022

Q4 2022 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (ft bgs)	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-05D	64-74	1346
OU2MW-02I2	50-55	ND
OU2MW-02D	65-70	ND
OU2MW-19D	65-70	7.95
OU2MW-30D	50-55	ND
OU2MW-30D2	60-65	ND
OU2MW-42D	60-65	76.15
OU2MW-43D	65-70	26.97
OU2MW-47D	60-65	ND
OU2MW-50D	65-70	ND
OZMW-16D	55-65	0.74
OZMW-17D	53-63	30.94
OZMW-18D	55-65	117.22
OZMW-23D	55-65	ND
OZMW-24D	55-65	604.48



LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- µg/L — MICROGRAMS PER LITER
- BTEX — BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- BTEX ≧100 µg/L
- BTEX ≧1,000 µg/L
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

DEEP GROUNDWATER
TOTAL BTEX
ISO-CONCENTRATION MAPS
(BELOW 50 FEET BGS)

Project 1905774 | June 2023 | Fig. 7

\\GTB-PHERIOT B:\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2022\Figures\Q4_2022\1905774_OMMQ422_ISOC.dwg - 6/5/2023

Q1 2009

Q1 2009 Groundwater Monitoring Data

Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
BBMW-01D	68.5-78.5	68
BBMW-02D	73-83	ND
BBMW-03D	52-62	ND
BBMW-05D	64-74	786
BBMW-05D2	126.5-136.5	ND
BBMW-07D	55-65	ND
BBMW-15D	70-80	ND
BBMW-16D	68-78	ND
BBMW-22D	64-74	5,140
BBMW-23D	49.5-59.5	34
BBMW-23D2	63-73	ND
BBMW-24D	59.5-69.5	233
BBMW-25D	62-72	ND
GM-05D	60.95-75.95	ND
OU2MW-01D	65-70	ND
OU2MW-01I2	50-55	ND
OU2MW-02D	65-70	ND
OU2MW-02I2	50-55	6
OU2MW-03D	65-70	ND
OU2MW-03I2	50-55	ND
OU2MW-04D	65-70	ND
OU2MW-04I2	50-55	ND
OU2MW-08D	65-70	ND
OU2MW-08I2	50-55	906
OU2MW-17D	60-70	ND
OU2MW-18D	60-70	ND
OU2MW-19D	65-70	1,862
OU2MW-20D	65-70	ND
OU2MW-22D	67-72	ND
OU2MW-23D	65-70	ND
OU2MW-24D	62-67	ND
OU2MW-25D	70-75	ND
OU2MW-26D	60-70	1,742
OU2MW-30D	50-55	1,652
OU2MW-30D2	60-65	4,735
OU2MW-33D	50-55	ND
OU2MW-35D	57-62	ND
OU2MW-36D	61-66	1
OU2MW-37D	67-72	ND
OU2MW-38D	56-61	ND
OU2MW-39D	70-75	ND
OU2MW-45D	55-60	ND
OU2MW-47D	60-65	7,007
OZMW-16D	55-65	ND
OZMW-17D	53-63	2
OZMW-18D	55-65	435
OZMW-22D	55-65	ND
OU-3		
BBMW-09D	62-72	ND
BBMW-13D	62-72	ND
OU-4		
WCMW-01D	64-74	ND
WCMW-02D	62-72	ND
WCMW-12D	67-72	ND
WCMW-13D	65-70	ND
WCMW-14D	67-72	ND

Q4 2022

Q4 2022 Groundwater Monitoring Data

Monitoring Well ID	Screen Interval (ft bgs)	Total PAH (µg/L)
OU-1 and OU-2		
BBMW-05D	64-74	4276.7
OU2MW-02I2	50-55	ND
OU2MW-02D	65-70	ND
OU2MW-19D	65-70	ND
OU2MW-30D	50-55	ND
OU2MW-30D2	60-65	7.06
OU2MW-39D	70-75	ND
OU2MW-42D	60-65	324.3
OU2MW-43D	65-70	169
OU2MW-47D	60-65	ND
OU2MW-50D	65-70	ND
OZMW-16D	55-65	ND
OZMW-17D	53-63	423.9
OZMW-18D	55-65	1129.6
OZMW-23D	55-65	ND
OZMW-24D	55-65	4461.5

LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- µg/L — MICROGRAMS PER LITER
- PAH — POLYCYCLIC AROMATIC HYDROCARBONS
- TOTAL PAH ≧100 µg/L
- TOTAL PAH ≧1,000 µg/L
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

DEEP GROUNDWATER
TOTAL PAH
ISO-CONCENTRATION MAPS
(BELOW 50 FEET BGS)

Project 1905774 | June 2023 | Fig. 8

\\GTB-PHERIOT B:\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2022\Figures\Q4_2022\1905774_OMMQ422_ISOC.dwg - 6/5/2023

Q1 2009

Q1 2009 Groundwater Monitoring Data			Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)	Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2			**OU-3**		
BBMW-01S	5-15	284	BBMW-09S	5-15	ND
BBMW-02S	5-15	ND	BBMW-28S	2-12	ND
BBMW-03S	3-13	ND	BBMW-29	2-9	ND
BBMW-07S	5-15	ND	BBMW-30S	2-10	ND
BBMW-15S	5-15	ND	BBMW-31S	2-10	2
BBMW-16S	5-15	ND	BBMW-32S	2-10	ND
BBMW-22S	5-10	10,730	BBMW-33	7-12	ND
BBMW-23S	5-15	11,860	BW-UST-10	4.65-9.95	ND
BBMW-24S	4-14	ND	BW-UST-11	4.4-9.4	ND
BBMW-25S	4-14	ND	BW-UST-28	5-10	ND
GM-05S	5.1-20.1	8	BW-UST-29	5-10	ND
MW-03S	3-13	34	IO-10	6-16	ND
MW-05S	4-14	9,600	MW-02SR	2-12	812
OU2IW-01	3-8	ND	MW-03	4.94-14.94	6
OU2MW-01WT	3-8	ND	MW-04	5.1-15.1	ND
OU2MW-04WT	3-8	ND	MW-09S	4-14	ND
OU2MW-06S	3-8	ND	MW-11W	2-10	ND
OU2MW-07S	3-8	ND	MW-12W	2-12	2
OU2MW-08WT	3-8	ND	MW-16SR	2-12	3,275
OU2MW-10S	3-7	ND	MW-29S	2-10	ND
OU2MW-11S	3-8	ND	MW-30WR	2-10	ND
OU2MW-12S	3-7	ND	MW-32WR	2-9	232
OU2MW-13S	3-8	ND	MW-34S	2-10	3,636
OU2MW-14S	3-8	ND	MW-45W	2-10	4,210
OU2MW-15S	3-8	ND	MW-46WR	2-10	525
OU2MW-16S	3-8	ND	MW-66S	1.5-11.5	ND
OU2MW-17S	5-10	ND	MW-70/70S	2-12	1,124
OU2MW-20S	4-9	ND	MW-73	2-12	7,100
OU2MW-21S	5-15	870	MW-75	2-12	569
OU2MW-22S	5-15	2	MW-76	2-12	ND
OU2MW-23S	5-15	ND	MW-78	5-20	2,590
OU2MW-24S	5-15	23	MW-79	5-20	10,100
OU2MW-25S	5-15	ND	MW-80	5-20	55,200
OU2MW-26S	6-11	ND	MW-81	5-20	257
OU2MW-28S	5-15	ND	MW-82	5-20	6,151
OU2MW-30S	5-15	3	MW-83	5-20	ND
OU2MW-32S	5-15	ND	MW-BS-02S	5-15	98
OU2MW-33S	5-15	ND	PDMW-01	5-20	ND
OU2MW-34S	5-15	ND	PDMW-02	5-20	59,210
OU2MW-35S	5-15	9	PDMW-03	5-15	14,511
OU2MW-36S	5-15	ND	SV-02	2-12	26
OU2MW-37S	5-15	ND	SV-03	2-12	29
OU2MW-38S	5-15	23	**OU-4**		
OU2MW-39S	5-15	ND	WCMW-01S	2-12	3
OU2MW-40S	5-15	ND	WCMW-02S	3-13	ND
OU2MW-41S	5-15	8	WCMW-03S	4.93-9.83	33
OU2MW-45S	5-15	60	WCMW-04S	1.6-11.6	21
OU2MW-46S	5-15	422	WCMW-05S	1.4-11.4	ND
OU2MW-47S	5-15	146	WCMW-06S	2-12	ND
OZMW-16S	5-15	ND	WCMW-09S	5-15	ND
OZMW-17S	5-15	141	WCMW-12S	3-13	ND
OZMW-18S	5-15	244	WCMW-13S	3-13	ND
OZMW-22S	5-15	11,947	WCMW-14S	2-12	ND
			WCMW-16S	2-12	ND

Q1 2023

Q1 2023 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (ft bgs)	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-22S	5-10	1033.1
BBMW-23S	5-15	128.68
BBMW-34S	5-15	ND
BBMW-37S	5-10	1.35
BBMW-38S	5-15	24.1
BBMW-39S	5-15	57.9
BBMW-40S	5-15	ND
BBMW-41S	6-16	2242.6
BBMW-42S	5-10	1.52
MW-05S	4-14	507.53
OU1PZ-101	4-14	1320
OU1PZ-102	4-14	14.63
OU1PZ-103	4-14	121.04
OU1PZ-104	4-14	2.01
OU1PZ-105	4-14	14.71
OU2MW-12S	3-7	ND
OU2MW-30S	5-15	ND
OU2MW-39S	5-15	ND
OU2MW-47S	5-15	ND
OU2MW-50S	5-15	0.46
OU2MW-57S	5-15	2.9
OZMW-16S	5-15	ND
OZMW-17S	5-15	ND
OZMW-18S	5-15	ND
OZMW-19S	5-15	293.5
OZMW-23S	5-15	ND
OZMW-24S	5-15	0.33
OZMW-25S	5-15	405.9
OU-3		
OU3MW-07S	3-13	ND
OU3MW-08S	2-12	558.2
OU3MW-13S	2-12	ND
OU3MW-16S	2-12	29
OU3MW-19S	2-12	ND
OU3MW-20S	2-12	ND

LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- µg/L — MICROGRAMS PER LITER
- BTEX — BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- BTEX ≧100 µg/L
- BTEX ≧1,000 µg/L
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)

NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

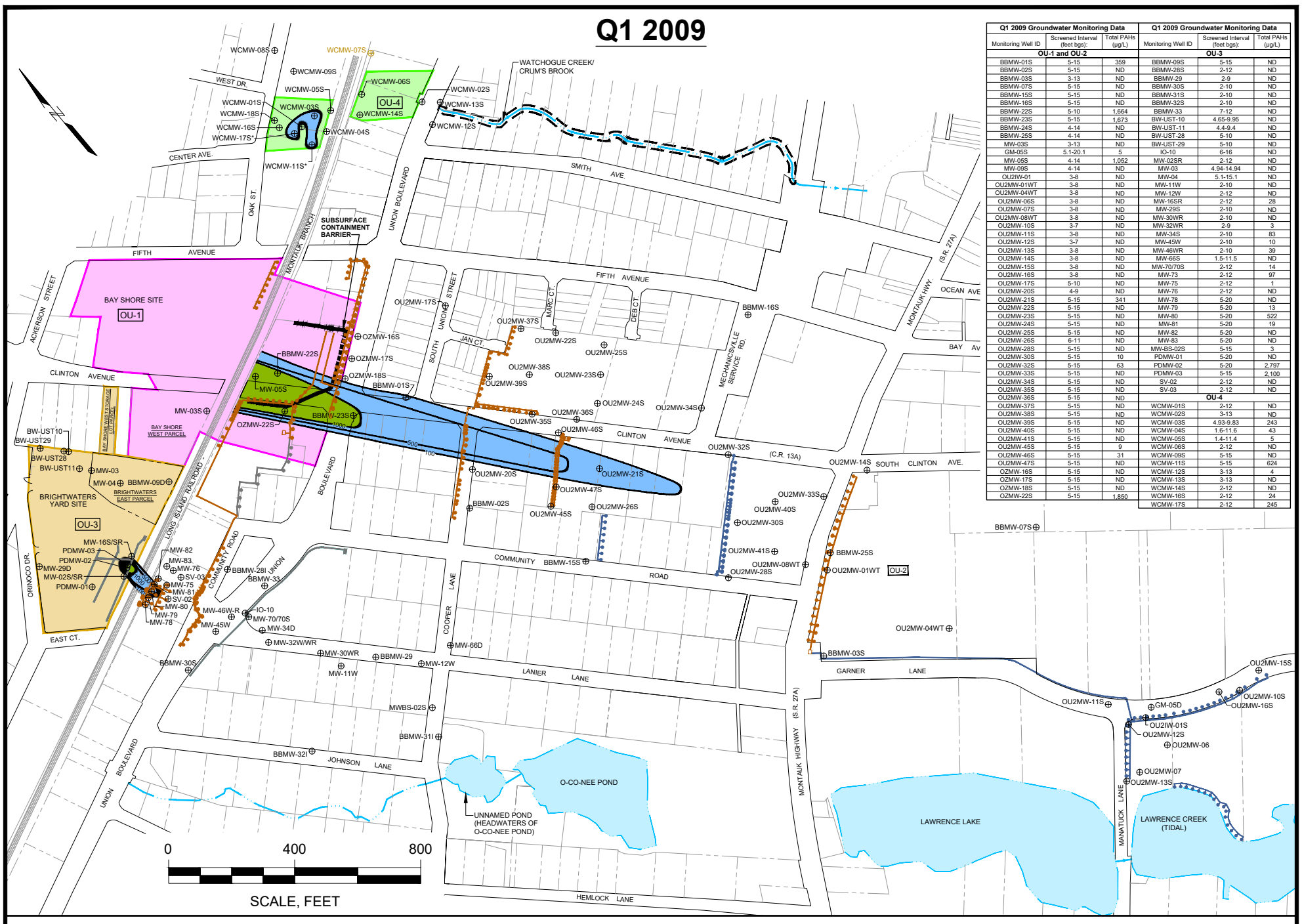
WATER TABLE GROUNDWATER
TOTAL BTEX
ISO-CONCENTRATION MAPS
(0-10 FEET BGS)

Project 1905774 | October 2023 | Fig. 3

\\geiconsulta B:\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2023\Q1\1905774_OMMQ123_ISOC.dwg - 9/29/2023

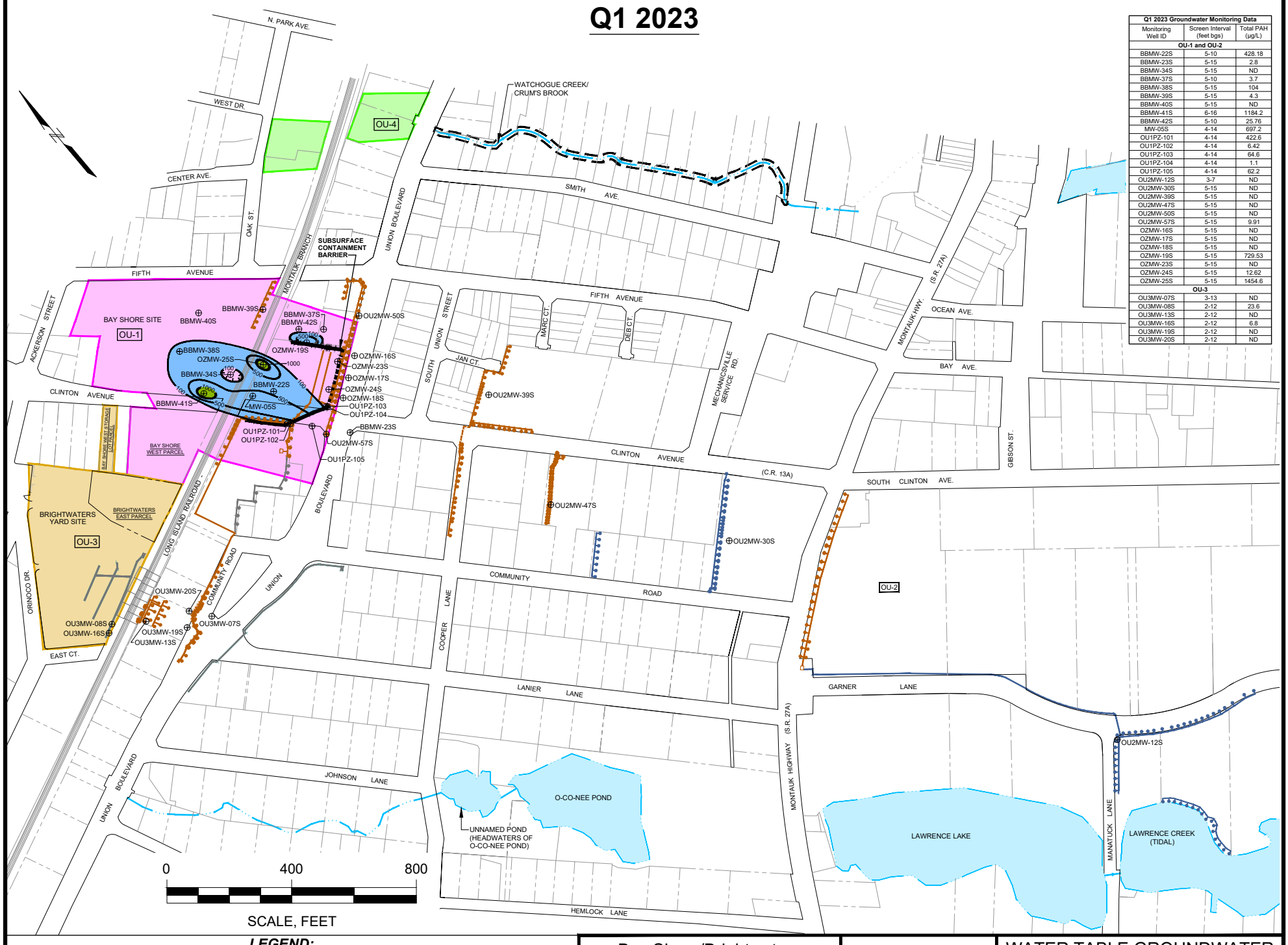
Q1 2009

Q1 2009 Groundwater Monitoring Data			Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)	Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2			**OU-3**		
BBMW-01S	5-15	359	BBMW-09S	5-15	ND
BBMW-02S	5-15	ND	BBMW-28S	2-12	ND
BBMW-03S	3-13	ND	BBMW-29	2-9	ND
BBMW-07S	5-15	ND	BBMW-30S	2-10	ND
BBMW-15S	5-15	ND	BBMW-31S	2-10	ND
BBMW-16S	5-15	ND	BBMW-32S	2-10	ND
BBMW-22S	5-10	1,664	BBMW-33	7-12	ND
BBMW-23S	5-15	1,673	BW-UST-10	4.65-9.95	ND
BBMW-24S	4-14	ND	BW-UST-11	4.4-9.4	ND
BBMW-25S	4-14	ND	BW-UST-28	5-10	ND
MW-03S	3-13	ND	BW-UST-29	5-10	ND
GM-05S	5.1-20.1	5	IO-10	6-16	ND
MW-05S	4-14	1,052	MW-02SR	2-12	ND
MW-09S	4-14	ND	MW-03	4.94-14.94	ND
OU2IW-01	3-8	ND	MW-04	5.1-15.1	ND
OU2MW-01WT	3-8	ND	MW-11W	2-10	ND
OU2MW-04WT	3-8	ND	MW-12W	2-12	ND
OU2MW-06S	3-8	ND	MW-16SR	2-12	28
OU2MW-07S	3-8	ND	MW-29S	2-10	ND
OU2MW-08WT	3-8	ND	MW-30WR	2-10	ND
OU2MW-10S	3-7	ND	MW-32WR	2-9	3
OU2MW-11S	3-8	ND	MW-34S	2-10	83
OU2MW-12S	3-7	ND	MW-45W	2-10	10
OU2MW-13S	3-8	ND	MW-46WR	2-10	39
OU2MW-14S	3-8	ND	MW-66S	1.5-11.5	ND
OU2MW-15S	3-8	ND	MW-70/70S	2-12	14
OU2MW-16S	3-8	ND	MW-73	2-12	97
OU2MW-17S	5-10	ND	MW-75	2-12	1
OU2MW-20S	4-9	ND	MW-76	2-12	ND
OU2MW-21S	5-15	341	MW-78	5-20	ND
OU2MW-22S	5-15	ND	MW-79	5-20	13
OU2MW-23S	5-15	ND	MW-80	5-20	522
OU2MW-24S	5-15	ND	MW-81	5-20	19
OU2MW-25S	5-15	ND	MW-82	5-20	ND
OU2MW-26S	6-11	ND	MW-83	5-20	ND
OU2MW-28S	5-15	ND	MW-BS-02S	5-15	3
OU2MW-30S	5-15	10	PDMW-01	5-20	ND
OU2MW-32S	5-15	63	PDMW-02	5-20	2,797
OU2MW-33S	5-15	ND	PDMW-03	5-15	2,100
OU2MW-34S	5-15	ND	SV-02	2-12	ND
OU2MW-35S	5-15	ND	SV-03	2-12	ND
OU2MW-36S	5-15	ND	**OU-4**		
OU2MW-37S	5-15	ND	WCMW-01S	2-12	ND
OU2MW-38S	5-15	ND	WCMW-02S	3-13	ND
OU2MW-39S	5-15	ND	WCMW-03S	4.93-9.83	243
OU2MW-40S	5-15	ND	WCMW-04S	1.6-11.6	43
OU2MW-41S	5-15	ND	WCMW-05S	1.4-11.4	5
OU2MW-45S	5-15	9	WCMW-06S	2-12	ND
OU2MW-46S	5-15	31	WCMW-09S	5-15	ND
OU2MW-47S	5-15	ND	WCMW-11S	5-15	624
OZMW-16S	5-15	ND	WCMW-12S	3-13	4
OZMW-17S	5-15	ND	WCMW-13S	3-13	ND
OZMW-18S	5-15	ND	WCMW-14S	2-12	ND
OZMW-22S	5-15	1,850	WCMW-16S	2-12	24
			WCMW-17S	2-12	245



Q1 2023

Q1 2023 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (feet bgs)	Total PAH (µg/L)
OU-1 and OU-2		
BBMW-22S	5-10	428.18
BBMW-23S	5-15	2.8
BBMW-34S	5-15	ND
BBMW-37S	5-10	3.7
BBMW-38S	5-15	104
BBMW-39S	5-15	4.3
BBMW-40S	5-15	ND
BBMW-41S	6-16	1184.2
BBMW-42S	5-10	25.76
MW-05S	4-14	697.2
OU1PZ-101	4-14	422.6
OU1PZ-102	4-14	6.42
OU1PZ-103	4-14	64.6
OU1PZ-104	4-14	1.1
OU1PZ-105	4-14	62.2
OU2MW-12S	3-7	ND
OU2MW-30S	5-15	ND
OU2MW-39S	5-15	ND
OU2MW-47S	5-15	ND
OU2MW-50S	5-15	ND
OU2MW-57S	5-15	9.91
OZMW-16S	5-15	ND
OZMW-17S	5-15	ND
OZMW-18S	5-15	ND
OZMW-19S	5-15	729.53
OZMW-23S	5-15	ND
OZMW-24S	5-15	12.62
OZMW-25S	5-15	1454.6
OU-3		
OU3MW-07S	3-13	ND
OU3MW-08S	2-12	23.6
OU3MW-13S	2-12	ND
OU3MW-16S	2-12	6.8
OU3MW-19S	2-12	ND
OU3MW-20S	2-12	ND



LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- µg/L — MICROGRAMS PER LITER
- PAH — POLYCYCLIC AROMATIC HYDROCARBONS
- TOTAL PAH ≧100 µg/L
- TOTAL PAH ≧1,000 µg/L
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)

NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

WATER TABLE GROUNDWATER
TOTAL PAH
ISO-CONCENTRATION MAPS
(0-10 FEET BGS)

Project 1905774 | October 2023 | Fig. 4

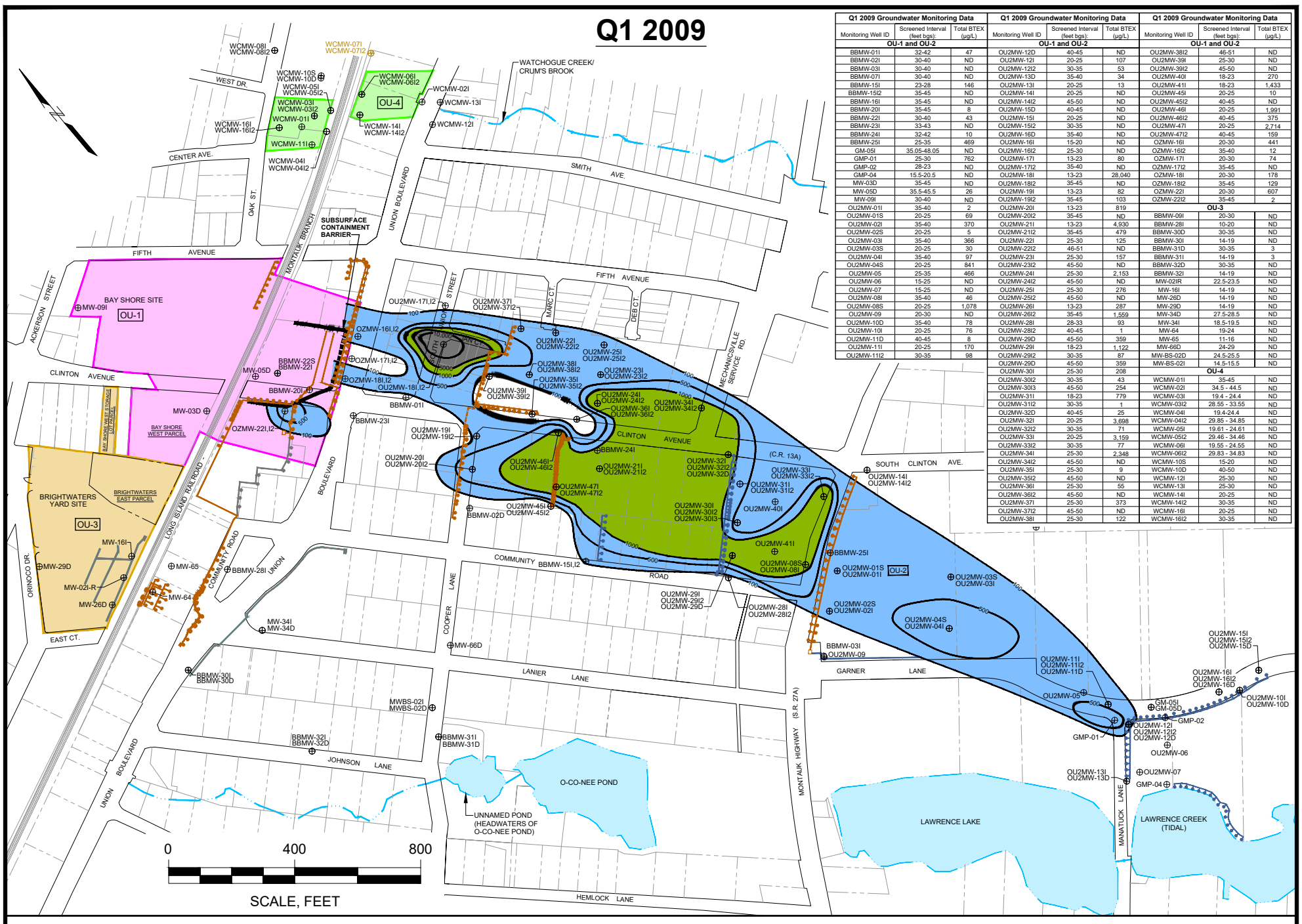
\\geiconsulta B:\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2023\Q1\1905774_OMMQ123_ISOC.dwg - 9/29/2023

Q1 2009

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-01I	32-42	47
BBMW-02I	30-40	ND
BBMW-03I	30-40	ND
BBMW-07I	30-40	ND
BBMW-15I	23-28	146
BBMW-15I2	35-45	ND
BBMW-16I	35-45	ND
BBMW-20I	35-45	8
BBMW-22I	30-40	43
BBMW-23I	33-43	ND
BBMW-24I	32-42	10
BBMW-25I	25-35	469
GM-05I	35.05-48.05	ND
GMP-01	25-30	762
GMP-02	28-23	ND
GMP-04	15.5-20.5	ND
MW-03D	35-45	ND
MW-05D	35.5-45.5	26
MW-09I	30-40	ND
OU2MW-01I	35-40	2
OU2MW-01S	20-25	69
OU2MW-02I	35-40	370
OU2MW-02S	20-25	5
OU2MW-03I	35-40	366
OU2MW-03S	20-25	30
OU2MW-04I	35-40	97
OU2MW-04S	20-25	841
OU2MW-05	25-35	466
OU2MW-06	15-25	ND
OU2MW-07	15-25	ND
OU2MW-08I	35-40	46
OU2MW-08S	20-25	1,078
OU2MW-09	20-30	ND
OU2MW-10D	35-40	78
OU2MW-10I	20-25	76
OU2MW-11D	40-45	8
OU2MW-11I	20-25	170
OU2MW-11I2	30-35	98

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
OU2MW-12D	40-45	ND
OU2MW-12I	20-25	107
OU2MW-12I2	30-35	53
OU2MW-13D	35-40	34
OU2MW-13I	20-25	13
OU2MW-14I	20-25	ND
OU2MW-14I2	45-50	ND
OU2MW-15D	40-45	ND
OU2MW-15I	20-25	ND
OU2MW-15I2	30-35	ND
OU2MW-16D	35-40	ND
OU2MW-16I	15-20	ND
OU2MW-16I2	25-30	ND
OU2MW-17I	13-23	80
OU2MW-17I2	35-40	ND
OU2MW-18I	13-23	28,040
OU2MW-18I2	35-45	ND
OU2MW-19I	13-23	82
OU2MW-19I2	35-45	103
OU2MW-20I	13-23	819
OU2MW-20I2	35-45	ND
OU2MW-21I	13-23	4,930
OU2MW-21I2	35-45	479
OU2MW-22I	25-30	125
OU2MW-22I2	46-51	ND
OU2MW-23I	25-30	157
OU2MW-23I2	45-50	ND
OU2MW-24I	25-30	2,153
OU2MW-24I2	45-50	ND
OU2MW-25I	25-30	276
OU2MW-25I2	45-50	ND
OU2MW-26I	13-23	287
OU2MW-26I2	35-45	1,559
OU2MW-28I	28-33	93
OU2MW-28I2	40-45	1
OU2MW-29D	45-50	359
OU2MW-29I	18-23	1,122
OU2MW-29I2	30-35	87
OU2MW-29D	45-50	359
OU2MW-30I	25-30	208
OU2MW-30I2	30-35	43
OU2MW-30I3	45-50	254
OU2MW-31I	18-23	779
OU2MW-31I2	30-35	1
OU2MW-32D	40-45	25
OU2MW-32I	20-25	3,698
OU2MW-32I2	30-35	71
OU2MW-33I	20-25	3,159
OU2MW-33I2	30-35	77
OU2MW-34I	25-30	2,348
OU2MW-34I2	45-50	ND
OU2MW-35I	25-30	9
OU2MW-35I2	45-50	ND
OU2MW-36I	25-30	55
OU2MW-36I2	45-50	ND
OU2MW-37I	25-30	373
OU2MW-37I2	45-50	ND
OU2MW-38I	25-30	122

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
OU2MW-38I2	46-51	ND
OU2MW-39I	25-30	ND
OU2MW-39I2	45-50	ND
OU2MW-40I	18-23	270
OU2MW-41I	18-23	1,433
OU2MW-45I	20-25	10
OU2MW-45I2	40-45	ND
OU2MW-46I	20-25	1,991
OU2MW-46I2	40-45	375
OU2MW-47I	20-25	2,714
OU2MW-47I2	40-45	159
OZMW-16I	20-30	441
OZMW-16I2	35-40	12
OZMW-17I	20-30	74
OZMW-17I2	35-45	ND
OZMW-18I	20-30	178
OZMW-18I2	35-45	129
OZMW-22I	20-30	607
OZMW-22I2	35-45	2
OU-3		
BBMW-09I	20-30	ND
BBMW-28I	10-20	ND
BBMW-30D	30-35	ND
BBMW-30I	14-19	ND
BBMW-31D	30-35	3
BBMW-31I	14-19	3
BBMW-32D	30-35	ND
BBMW-32I	14-19	ND
MW-02IR	22.5-23.5	ND
MW-16I	14-19	ND
MW-26D	14-19	ND
MW-29D	14-19	ND
MW-34D	27.5-28.5	ND
MW-64	19-24	ND
MW-65	11-16	ND
MW-66D	24-29	ND
MW-BS-02D	24.5-25.5	ND
MW-BS-02I	14.5-15.5	ND
OU-4		
WCMW-01I	35-45	ND
WCMW-02I	34.5 - 44.5	ND
WCMW-03I	19.4 - 24.4	ND
WCMW-03I2	28.55 - 33.55	ND
WCMW-04I	19.4-24.4	ND
WCMW-04I2	29.85 - 34.85	ND
WCMW-05I	19.61 - 24.61	ND
WCMW-05I2	29.46 - 34.46	ND
WCMW-06I	19.55 - 24.55	ND
WCMW-06I2	29.83 - 34.83	ND
WCMW-10S	15-20	ND
WCMW-10D	40-50	ND
WCMW-12I	25-30	ND
WCMW-13I	25-30	ND
WCMW-14I	20-25	ND
WCMW-14I2	30-35	ND
WCMW-16I	20-25	ND
WCMW-16I2	30-35	ND



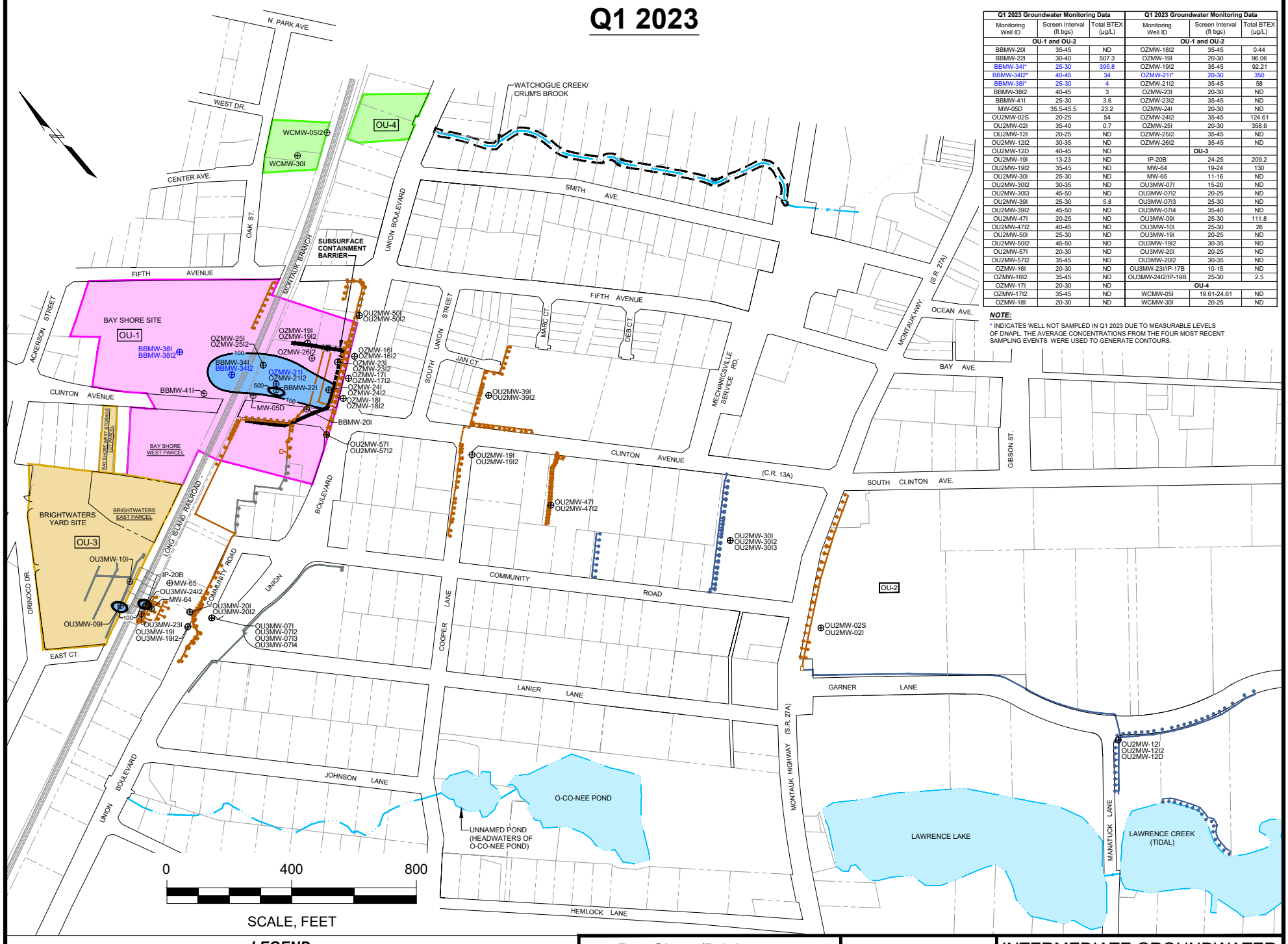
Q1 2023

Q1 2023 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (ft bgs)	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-20I	35-45	ND
BBMW-22I	30-40	507.3
BBMW-34I*	25-30	395.8
BBMW-34I2*	40-45	34
BBMW-38I*	25-30	4
BBMW-38I2	40-45	3
BBMW-41I	25-30	3.6
MW-05D	35.5-45.5	23.2
OU2MW-02S	20-25	54
OU2MW-02I	35-40	0.7
OU2MW-12I	20-25	ND
OU2MW-12I2	30-35	ND
OU2MW-12D	40-45	ND
OU2MW-19I	13-23	ND
OU2MW-19I2	35-45	ND
OU2MW-30I	25-30	ND
OU2MW-30I2	30-35	ND
OU2MW-30I3	45-50	ND
OU2MW-39I	25-30	5.8
OU2MW-39I2	45-50	ND
OU2MW-47I	20-25	ND
OU2MW-47I2	40-45	ND
OU2MW-50I	25-30	ND
OU2MW-50I2	45-50	ND
OU2MW-57I	20-30	ND
OU2MW-57I2	35-45	ND
OZMW-16I	20-30	ND
OZMW-16I2	35-45	ND
OZMW-17I	20-30	ND
OZMW-17I2	35-45	ND
OZMW-18I	20-30	ND

Q1 2023 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (ft bgs)	Total BTEX (µg/L)
OU-1 and OU-2		
OZMW-18I2	35-45	0.44
OZMW-19I	20-30	96.06
OZMW-19I2	35-45	92.21
OZMW-21I*	20-30	350
OZMW-21I2	35-45	58
OZMW-23I	20-30	ND
OZMW-23I2	35-45	ND
OZMW-24I	20-30	ND
OZMW-24I2	35-45	124.61
OZMW-25I	20-30	358.6
OZMW-25I2	35-45	ND
OZMW-26I2	35-45	ND
OU-3		
IP-20B	24-25	209.2
MW-64	19-24	130
MW-65	11-16	ND
OU3MW-07I	15-20	ND
OU3MW-07I2	20-25	ND
OU3MW-07I3	25-30	ND
OU3MW-07I4	35-40	ND
OU3MW-09I	25-30	111.8
OU3MW-10I	25-30	26
OU3MW-19I	20-25	ND
OU3MW-19I2	30-35	ND
OU3MW-20I	20-25	ND
OU3MW-20I2	30-35	ND
OU3MW-23I/IP-17B	10-15	ND
OU3MW-24I2/IP-19B	25-30	2.5
OU-4		
WCMW-05I	19.61-24.61	ND
WCMW-30I	20-25	ND

NOTE:

* INDICATES WELL NOT SAMPLED IN Q1 2023 DUE TO MEASURABLE LEVELS OF DNAPL. THE AVERAGE CONCENTRATIONS FROM THE FOUR MOST RECENT SAMPLING EVENTS WERE USED TO GENERATE CONTOURS.



LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- ⊕BBMW-38I — WELL NOT SAMPLED IN Q1 2023 DUE TO MEASURABLE LEVELS OF DNAPL
- µg/L — MICROGRAMS PER LITER
- BTEX — BTEX ≧100 µg/L; BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)

NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

INTERMEDIATE GROUNDWATER TOTAL BTEX ISO-CONCENTRATION MAPS (10-50 FEET BGS)

Project 1905774 | October 2023 | Fig. 5

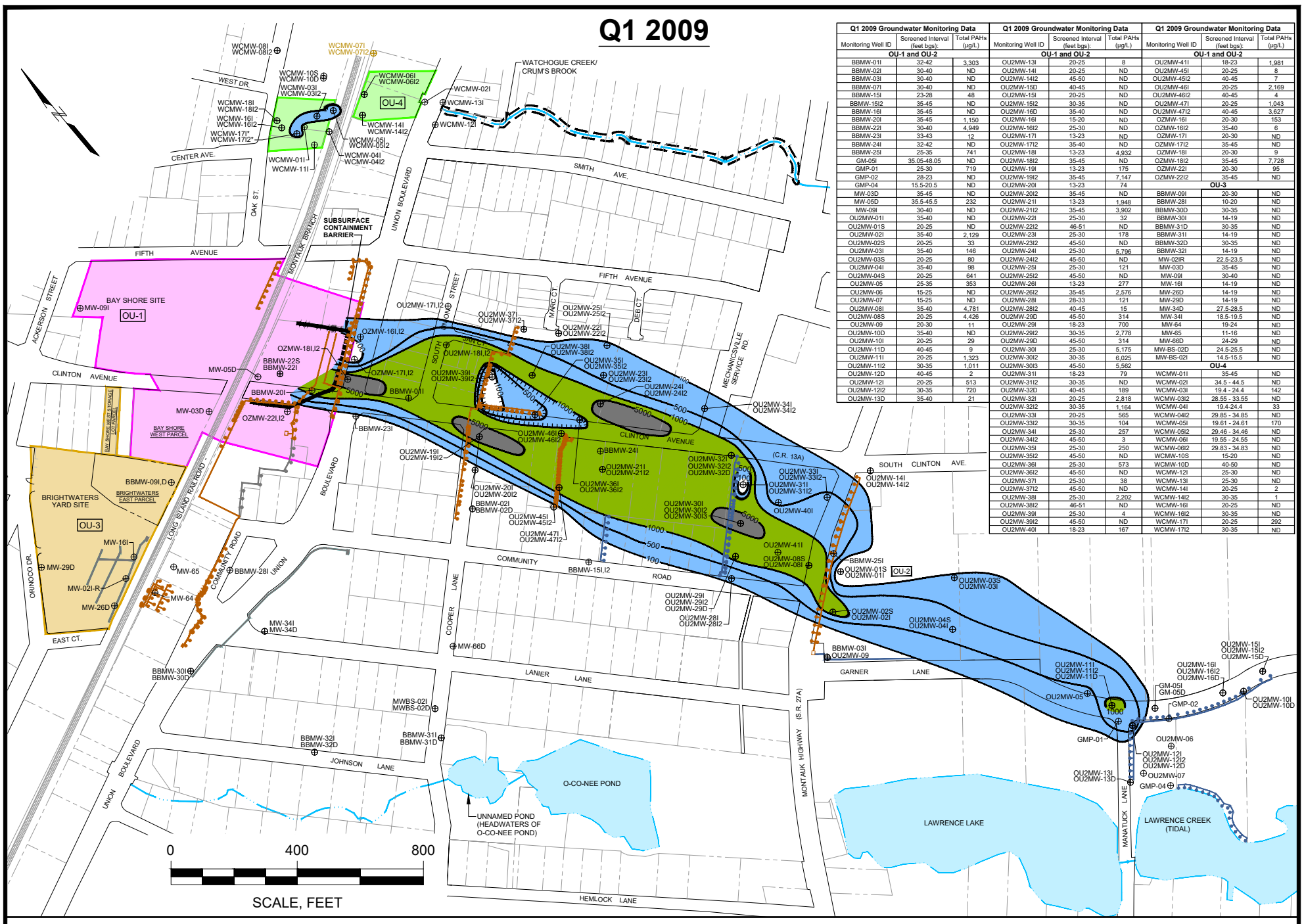
\\geiconsulta B:\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2023\Q1\1905774_OMMQ123_ISOC.dwg - 9/29/2023

Q1 2009

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
BBMW-01I	32-42	3,303
BBMW-02I	30-40	ND
BBMW-03I	30-40	ND
BBMW-07I	30-40	ND
BBMW-15I	23-28	48
BBMW-15I2	35-45	ND
BBMW-16I	35-45	ND
BBMW-20I	35-45	1,150
BBMW-22I	30-40	4,949
BBMW-23I	33-43	12
BBMW-24I	32-42	ND
BBMW-25I	25-35	741
GM-05I	35.05-48.05	ND
GMP-01	25-30	719
GMP-02	28-23	ND
GMP-04	15.5-20.5	ND
MW-03D	35-45	ND
MW-05D	35.5-45.5	232
MW-09I	30-40	ND
OU2MW-01I	35-40	ND
OU2MW-01S	20-25	ND
OU2MW-02I	35-40	2,129
OU2MW-02S	20-25	33
OU2MW-03I	35-40	146
OU2MW-03S	20-25	80
OU2MW-04I	35-40	98
OU2MW-04S	20-25	641
OU2MW-05	25-35	353
OU2MW-06	15-25	ND
OU2MW-07	15-25	ND
OU2MW-08I	35-40	4,781
OU2MW-08S	20-25	4,426
OU2MW-09	20-30	11
OU2MW-10D	35-40	ND
OU2MW-10I	20-25	29
OU2MW-11D	40-45	9
OU2MW-11I	20-25	1,323
OU2MW-11I2	30-35	1,011
OU2MW-12D	40-45	2
OU2MW-12I	20-25	513
OU2MW-12I2	30-35	720
OU2MW-13D	35-40	21

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
OU2MW-13I	20-25	8
OU2MW-14I	20-25	ND
OU2MW-14I2	45-50	ND
OU2MW-15D	40-45	ND
OU2MW-15I	20-25	ND
OU2MW-15I2	30-35	ND
OU2MW-16D	35-40	ND
OU2MW-16I	15-20	ND
OU2MW-16I2	25-30	ND
OU2MW-17I	13-23	ND
OU2MW-17I2	35-40	ND
OU2MW-18I	13-23	4,932
OU2MW-18I2	35-45	ND
OU2MW-19I	13-23	175
OU2MW-19I2	35-45	7,147
OU2MW-20I	13-23	74
OU2MW-20I2	35-45	ND
OU2MW-21I	13-23	1,948
OU2MW-21I2	35-45	3,902
OU2MW-22I	25-30	32
OU2MW-22I2	46-51	ND
OU2MW-23I	25-30	178
OU2MW-23I2	45-50	ND
OU2MW-24I	25-30	5,796
OU2MW-24I2	45-50	ND
OU2MW-25I	25-30	121
OU2MW-25I2	45-50	ND
OU2MW-26I	13-23	277
OU2MW-26I2	35-45	2,576
OU2MW-28I	28-33	121
OU2MW-28I2	40-45	15
OU2MW-29D	45-50	314
OU2MW-29I	18-23	700
OU2MW-29I2	30-35	2,778
OU2MW-29D	45-50	314
OU2MW-30I	25-30	5,175
OU2MW-30I2	30-35	6,025
OU2MW-30I3	45-50	5,562
OU2MW-31I	18-23	79
OU2MW-31I2	30-35	ND
OU2MW-32D	40-45	189
OU2MW-32I	20-25	2,818
OU2MW-32I2	30-35	1,164
OU2MW-33I	20-25	565
OU2MW-33I2	30-35	104
OU2MW-34I	25-30	257
OU2MW-34I2	45-50	3
OU2MW-35I	25-30	250
OU2MW-35I2	45-50	ND
OU2MW-36I	25-30	573
OU2MW-36I2	45-50	ND
OU2MW-37I	25-30	38
OU2MW-37I2	45-50	ND
OU2MW-38I	25-30	2,202
OU2MW-38I2	46-51	ND
OU2MW-39I	25-30	4
OU2MW-39I2	45-50	ND
OU2MW-40I	18-23	167

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
OU2MW-41I	18-23	1,981
OU2MW-45I	20-25	8
OU2MW-45I2	40-45	7
OU2MW-46I	20-25	2,169
OU2MW-46I2	40-45	4
OU2MW-47I	20-25	1,043
OU2MW-47I2	40-45	3,627
OZMW-16I	20-30	153
OZMW-16I2	35-40	6
OZMW-17I	20-30	ND
OZMW-17I2	35-45	ND
OZMW-18I	20-30	9
OZMW-18I2	35-45	7,728
OZMW-22I	20-30	95
OZMW-22I2	35-45	ND
OU-3		
BBMW-09I	20-30	ND
BBMW-28I	10-20	ND
BBMW-30D	30-35	ND
BBMW-30I	14-19	ND
BBMW-31D	30-35	ND
BBMW-31I	14-19	ND
BBMW-32D	30-35	ND
BBMW-32I	14-19	ND
MW-02IR	22.5-23.5	ND
MW-03D	35-45	ND
MW-09I	30-40	ND
MW-16I	14-19	ND
MW-26D	14-19	ND
MW-29D	14-19	ND
MW-34D	27.5-28.5	ND
MW-34I	18.5-19.5	ND
MW-64	19-24	ND
MW-65	11-16	ND
MW-66D	24-29	ND
MWBS-02D	24.5-25.5	ND
MW-BS-02I	14.5-15.5	ND
OU-4		
WCMW-01I	35-45	ND
WCMW-02I	34.5 - 44.5	ND
WCMW-03I	19.4 - 24.4	142
WCMW-03I2	28.55 - 33.55	ND
WCMW-04I	19.4-24.4	33
WCMW-04I2	29.85 - 34.85	ND
WCMW-05I	19.61 - 24.61	170
WCMW-05I2	29.46 - 34.46	ND
WCMW-06I	19.55 - 24.55	ND
WCMW-06I2	29.83 - 34.83	ND
WCMW-10S	15-20	ND
WCMW-10D	40-50	ND
WCMW-12I	25-30	ND
WCMW-13I	25-30	ND
WCMW-14I	20-25	2
WCMW-14I2	30-35	1
WCMW-16I	20-25	ND
WCMW-16I2	30-35	ND
WCMW-17I	20-25	292
WCMW-17I2	30-35	ND



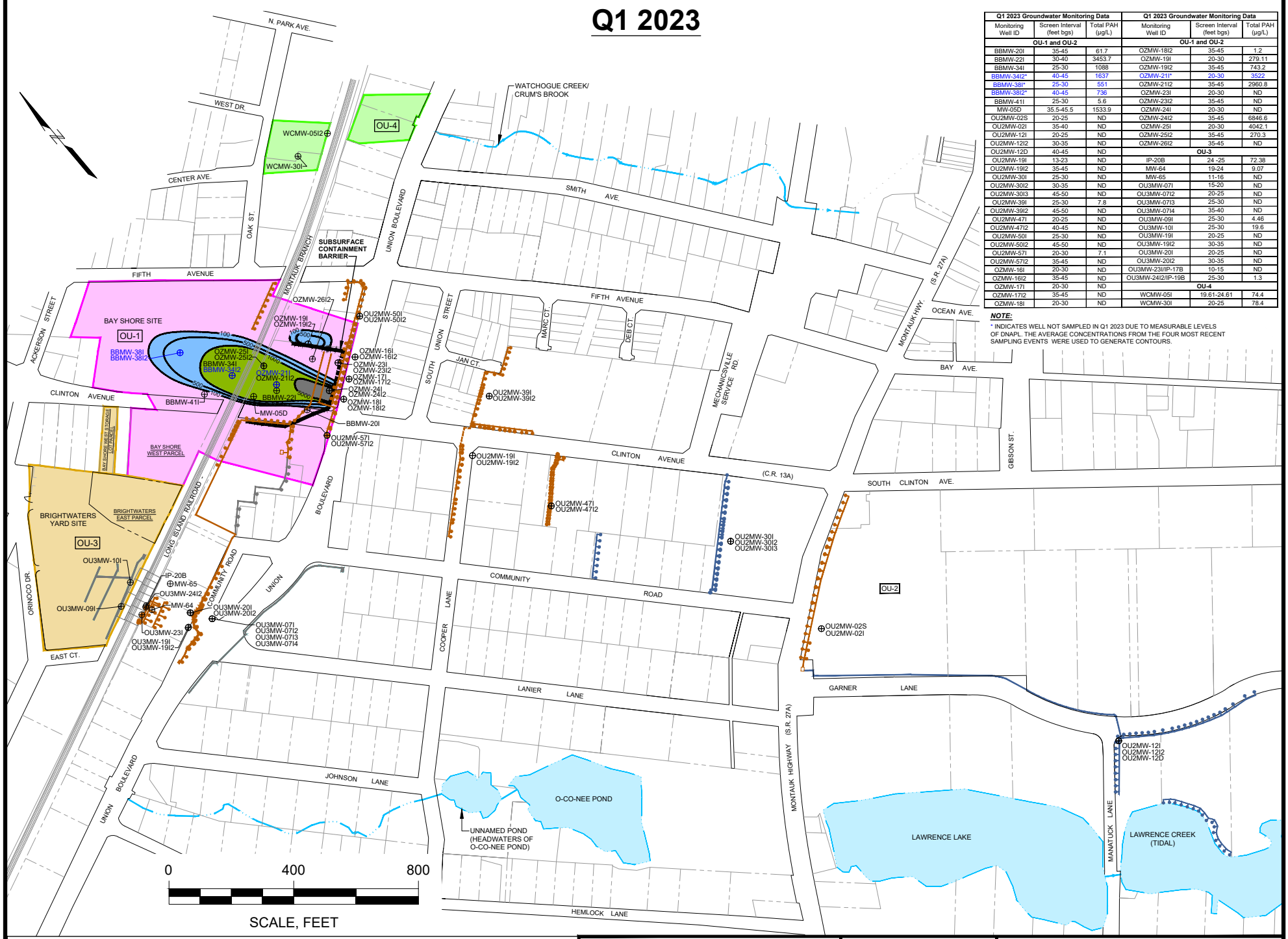
Q1 2023

Q1 2023 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (feet bgs)	Total PAH (µg/L)
OU-1 and OU-2		
BBMW-20I	35-45	61.7
BBMW-22I	30-40	3453.7
BBMW-34I	25-30	1088
BBMW-34I2*	40-45	1637
BBMW-38I*	25-30	551
BBMW-38I2*	40-45	736
BBMW-41I	25-30	5.6
MW-05D	35.5-45.5	1533.9
OU2MW-02S	20-25	ND
OU2MW-02I	35-40	ND
OU2MW-12I	20-25	ND
OU2MW-12I2	30-35	ND
OU2MW-12D	40-45	ND
OU2MW-19I	13-23	ND
OU2MW-19I2	35-45	ND
OU2MW-30I	25-30	ND
OU2MW-30I2	30-35	ND
OU2MW-30I3	45-50	ND
OU2MW-39I	25-30	7.8
OU2MW-39I2	45-50	ND
OU2MW-47I	20-25	ND
OU2MW-47I2	40-45	ND
OU2MW-50I	25-30	ND
OU2MW-50I2	45-50	ND
OU2MW-57I	20-30	7.1
OU2MW-57I2	35-45	ND
OZMW-16I	20-30	ND
OZMW-16I2	35-45	ND
OZMW-17I	20-30	ND
OZMW-17I2	35-45	ND
OZMW-18I	20-30	ND

Q1 2023 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (feet bgs)	Total PAH (µg/L)
OU-1 and OU-2		
OZMW-18I2	35-45	1.2
OZMW-19I	20-30	279.11
OZMW-19I2	35-45	743.2
OZMW-21I*	20-30	3522
OZMW-21I2	35-45	2960.8
OZMW-23I	20-30	ND
OZMW-23I2	35-45	ND
OZMW-24I	20-30	ND
OZMW-24I2	35-45	6846.6
OZMW-25I	20-30	4042.1
OZMW-25I2	35-45	270.3
OZMW-26I2	35-45	ND
OU-3		
IP-20B	24 -25	72.38
MW-64	19-24	9.07
MW-65	11-16	ND
OU3MW-07I	15-20	ND
OU3MW-07I2	20-25	ND
OU3MW-07I3	25-30	ND
OU3MW-07I4	35-40	ND
OU3MW-09I	25-30	4.46
OU3MW-10I	25-30	19.6
OU3MW-19I	20-25	ND
OU3MW-19I2	30-35	ND
OU3MW-20I	20-25	ND
OU3MW-20I2	30-35	ND
OU3MW-23I/IP-17B	10-15	ND
OU3MW-24I2/IP-19B	25-30	1.3
OU-4		
WCMW-05I	19.61-24.61	74.4
WCMW-30I	20-25	78.4

NOTE:

* INDICATES WELL NOT SAMPLED IN Q1 2023 DUE TO MEASURABLE LEVELS OF DNAPL. THE AVERAGE CONCENTRATIONS FROM THE FOUR MOST RECENT SAMPLING EVENTS WERE USED TO GENERATE CONTOURS.



LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- ⊕BBMW-38I — WELL NOT SAMPLED IN Q1 2023 DUE TO MEASURABLE LEVELS OF DNAPL
- µg/L — MICROGRAMS PER LITER
- TOTAL PAH ≧100 µg/L
- TOTAL PAH ≧1,000 µg/L
- TOTAL PAH ≧5,000 µg/L
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)
- PAH — POLYCYCLIC AROMATIC HYDROCARBONS

NOTE:
WINDOWED SECTION OF THE SUBSURFACE CONTAINMENT BARRIER WALL CONSTRUCTED BETWEEN APPROXIMATELY 8 AND 38 FEET BELOW GROUND SURFACE (BGS).

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

INTERMEDIATE GROUNDWATER
TOTAL PAH
ISO-CONCENTRATION MAPS
(10-50 FEET BGS)

Project 1905774 | October 2023 | Fig. 6

\\geiconsulta B:\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2023\Q1\1905774_OMMQ123_ISOC.dwg - 9/29/2023

Q1 2009

Q1 2009 Groundwater Monitoring Data		
Monitoring Well ID	Screened Interval (feet bgs):	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-01D	68.5-78.5	33
BBMW-02D	73-83	ND
BBMW-03D	52-62	ND
BBMW-05D	64-74	482
BBMW-05D2	126.5-136.5	7
BBMW-07D	55-65	ND
BBMW-15D	70-80	ND
BBMW-16D	68-78	ND
BBMW-22D	64-74	2,314
BBMW-23D	49.5-59.5	7
BBMW-23D2	63-73	ND
BBMW-24D	59.5-69.5	22
BBMW-25D	62-72	35
GM-05D	60.95-75.95	2
OU2MW-01D	65-70	ND
OU2MW-01I2	50-55	ND
OU2MW-02D	65-70	ND
OU2MW-02I2	50-55	3
OU2MW-03D	65-70	ND
OU2MW-03I2	50-55	5
OU2MW-04D	65-70	2
OU2MW-04I2	50-55	ND
OU2MW-08D	65-70	ND
OU2MW-08I2	50-55	152
OU2MW-17D	60-70	ND
OU2MW-18D	60-70	ND
OU2MW-19D	65-70	542
OU2MW-20D	65-70	ND
OU2MW-22D	67-72	ND
OU2MW-23D	65-70	ND
OU2MW-24D	62-67	ND
OU2MW-25D	70-75	ND
OU2MW-26D	60-70	474
OU2MW-30D	50-55	134
OU2MW-30D2	60-65	375
OU2MW-33D	50-55	2
OU2MW-35D	57-62	ND
OU2MW-36D	61-66	ND
OU2MW-37D	67-72	ND
OU2MW-38D	56-61	ND
OU2MW-39D	70-75	ND
OU2MW-45D	55-60	ND
OU2MW-47D	60-65	569
OZMW-16D	55-65	ND
OZMW-17D	53-63	ND
OZMW-18D	55-65	216
OZMW-22D	55-65	ND
OU-3		
BBMW-09D	62-72	ND
BBMW-13D	62-72	ND
OU-4		
WCMW-01D	64-74	ND
WCMW-02D	62-72	ND
WCMW-12D	67-72	ND
WCMW-13D	65-70	ND
WCMW-14D	67-72	ND

Q1 2023

Q1 2023 Groundwater Monitoring Data		
Monitoring Well ID	Screen Interval (feet bgs)	Total BTEX (µg/L)
OU-1 and OU-2		
BBMW-05D	64-74	1452
OU2MW-02I2	50-55	ND
OU2MW-02D	65-70	ND
OU2MW-19D	65-70	8.3
OU2MW-30D	50-55	ND
OU2MW-30D2	60-65	ND
OU2MW-39D	70-75	ND
OU2MW-42D	60-65	42.63
OU2MW-43D	65-70	9.8
OU2MW-47D	60-65	ND
OU2MW-50D	65-70	ND
OZMW-16D	55-65	0.61
OZMW-17D	53-63	303
OZMW-18D	55-65	64.8
OZMW-23D	55-65	ND
OZMW-24D	55-65	590.6

0 400 800

SCALE, FEET

LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- ⊕BBMW-05D — WELL NOT SAMPLED IN Q1 2023 DUE TO MEASURABLE LEVELS OF DNAPL
- µg/L — MICROGRAMS PER LITER
- BTEX — BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE
- BTEX ≧100 µg/L
- BTEX ≧1,000 µg/L
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

DEEP GROUNDWATER
TOTAL BTEX
ISO-CONCENTRATION MAPS
(BELOW 50 FEET BGS)

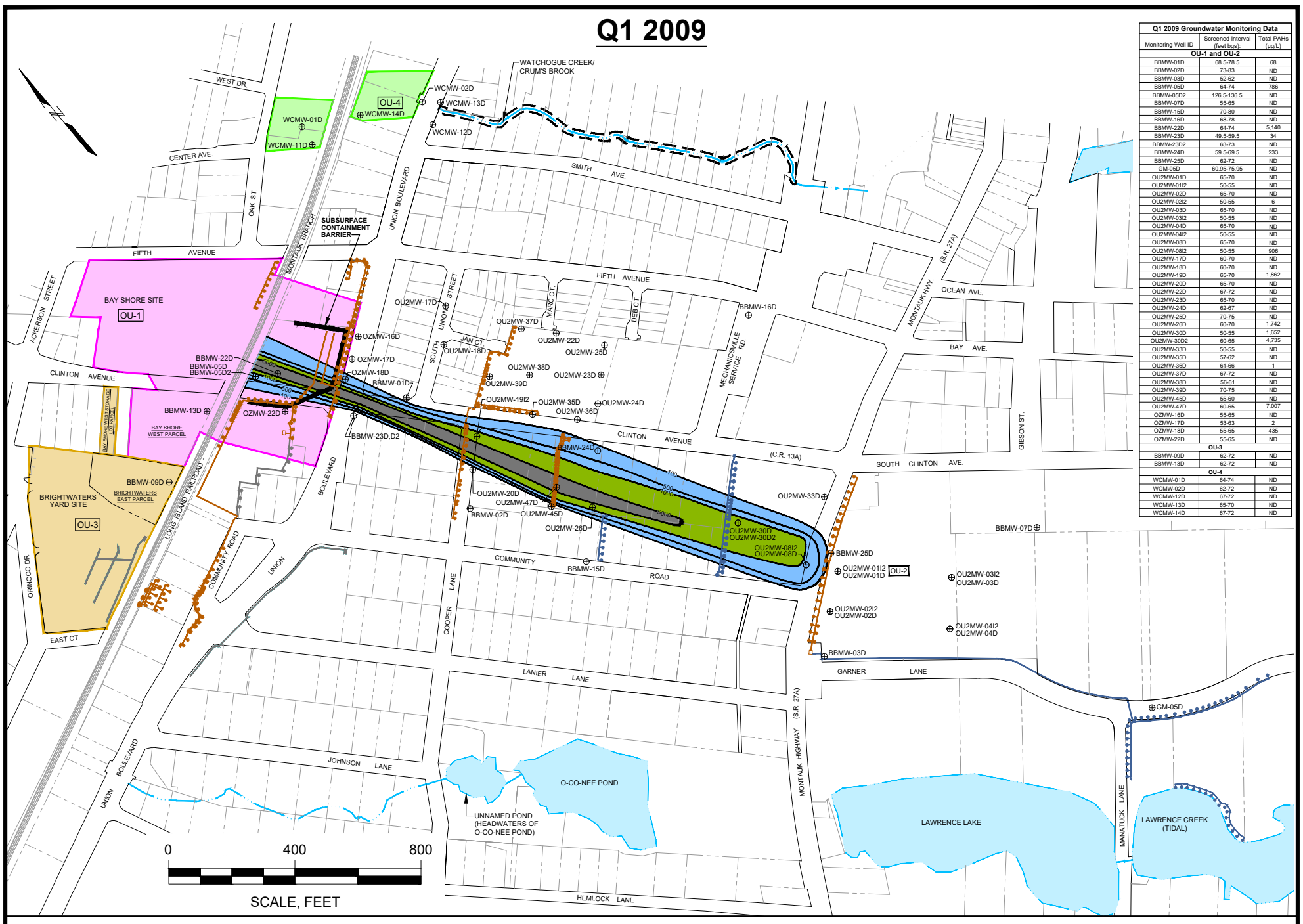
Project 1905774 | October 2023 | Fig. 7

\\geiconsulta B:\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2023\Q1\1905774_OMMQ123_ISOC.dwg - 9/29/2023

Q1 2009

Q1 2009 Groundwater Monitoring Data

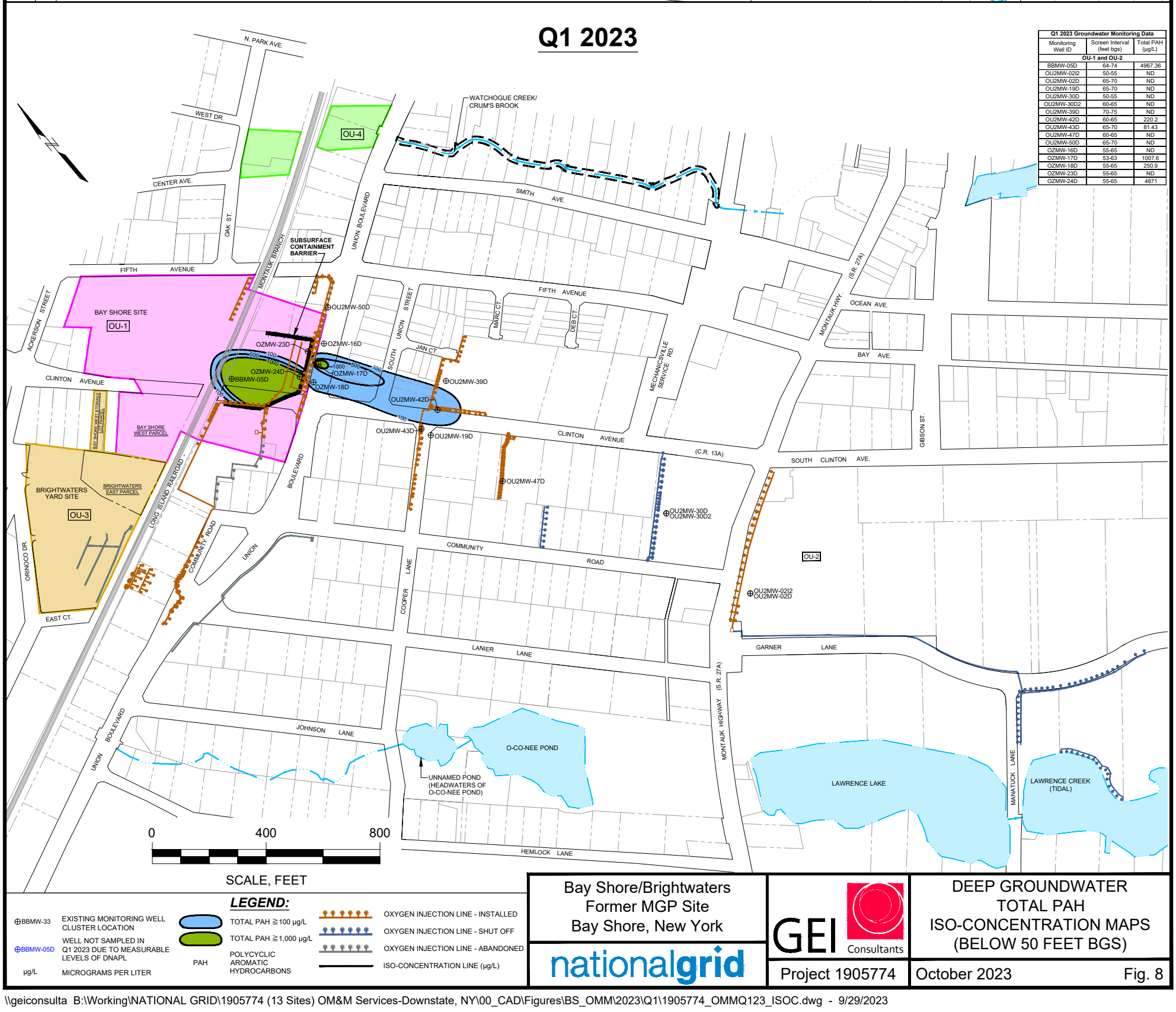
Monitoring Well ID	Screened Interval (feet bgs):	Total PAHs (µg/L)
OU-1 and OU-2		
BBMW-01D	68.5-78.5	68
BBMW-02D	73-83	ND
BBMW-03D	52-62	ND
BBMW-05D	64-74	786
BBMW-05D2	126.5-136.5	ND
BBMW-07D	55-65	ND
BBMW-15D	70-80	ND
BBMW-16D	68-78	ND
BBMW-22D	64-74	5,140
BBMW-23D	49.5-59.5	34
BBMW-23D2	63-73	ND
BBMW-24D	59.5-69.5	233
BBMW-25D	62-72	ND
GM-05D	60.95-75.95	ND
OU2MW-01D	65-70	ND
OU2MW-01I2	50-55	ND
OU2MW-02D	65-70	ND
OU2MW-02I2	50-55	6
OU2MW-03D	65-70	ND
OU2MW-03I2	50-55	ND
OU2MW-04D	65-70	ND
OU2MW-04I2	50-55	ND
OU2MW-08D	65-70	ND
OU2MW-08I2	50-55	906
OU2MW-17D	60-70	ND
OU2MW-18D	60-70	ND
OU2MW-19D	65-70	1,862
OU2MW-20D	65-70	ND
OU2MW-22D	67-72	ND
OU2MW-23D	65-70	ND
OU2MW-24D	62-67	ND
OU2MW-25D	70-75	ND
OU2MW-26D	60-70	1,742
OU2MW-30D	50-55	1,652
OU2MW-30D2	60-65	4,735
OU2MW-33D	50-55	ND
OU2MW-35D	57-62	ND
OU2MW-36D	61-66	1
OU2MW-37D	67-72	ND
OU2MW-38D	56-61	ND
OU2MW-39D	70-75	ND
OU2MW-45D	55-60	ND
OU2MW-47D	60-65	7,007
OZMW-16D	55-65	ND
OZMW-17D	53-63	2
OZMW-18D	55-65	435
OZMW-22D	55-65	ND
OU-3		
BBMW-09D	62-72	ND
BBMW-13D	62-72	ND
OU-4		
WCMW-01D	64-74	ND
WCMW-02D	62-72	ND
WCMW-12D	67-72	ND
WCMW-13D	65-70	ND
WCMW-14D	67-72	ND



Q1 2023

Q1 2023 Groundwater Monitoring Data

Monitoring Well ID	Screen Interval (feet bgs)	Total PAH (µg/L)
OU-1 and OU-2		
BBMW-05D	64-74	4967.36
OU2MW-02I2	50-55	ND
OU2MW-02D	65-70	ND
OU2MW-19D	65-70	ND
OU2MW-30D	50-55	ND
OU2MW-30D2	60-65	ND
OU2MW-39D	70-75	ND
OU2MW-42D	60-65	220.2
OU2MW-43D	65-70	81.43
OU2MW-47D	60-65	ND
OU2MW-50D	65-70	ND
OZMW-16D	55-65	ND
OZMW-17D	53-63	1007.6
OZMW-18D	55-65	250.9
OZMW-23D	55-65	ND
OZMW-24D	55-65	4871



LEGEND:

- ⊕BBMW-33 — EXISTING MONITORING WELL CLUSTER LOCATION
- ⊕BBMW-05D — WELL NOT SAMPLED IN Q1 2023 DUE TO MEASURABLE LEVELS OF DNAPL
- µg/L — MICROGRAMS PER LITER
- PAH — POLYCYCLIC AROMATIC HYDROCARBONS
- TOTAL PAH ≧100 µg/L
- TOTAL PAH ≧1,000 µg/L
- OXYGEN INJECTION LINE - INSTALLED
- OXYGEN INJECTION LINE - SHUT OFF
- OXYGEN INJECTION LINE - ABANDONED
- ISO-CONCENTRATION LINE (µg/L)

Bay Shore/Brightwaters
Former MGP Site
Bay Shore, New York

nationalgrid

GEI Consultants

DEEP GROUNDWATER
TOTAL PAH
ISO-CONCENTRATION MAPS
(BELOW 50 FEET BGS)

Project 1905774 | October 2023 | Fig. 8

\\geiconsulta B:\Working\NATIONAL GRID\1905774 (13 Sites) OM&M Services-Downstate, NY\00_CAD\Figures\BS_OMM\2023\Q1\1905774_OMMQ123_ISOC.dwg - 9/29/2023